

*Domeniul Fundamental: STIINTE INGINERESTI*

*Domeniul de Studii Universitare: INGINERIE MECANICA*

*Comisia CNATDCU: 17. INGINERIE MECANICA, MECATRONICA SI ROBOTICA*

*STANDARDE MINIMALE NECESARE SI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN INVATAMANTUL SUPERIOR SI A GRADELOR PROFESIONALE DE CERCETARE – DEZVOLTARE*

*Subsemnatul . Răzvan George RÎPEANU, profesor univ. dr. ing.habil. la departamentul Inginerie Mecanică, facultatea IME – UPG Ploiesti, declar pe propria raspundere ca indeplinesc conditiile minimale prevazute in Anexa nr. 17, pentru atestarea pe postul de profesor universitar/abiliate, conform Fisei de verificare de mai jos.*

**Fisa de verificare**

Nr. crt.	Domeniul activitatilor	Rezultatele activitatilor	Subcategoriile		Indicatori	Realizat	Conditii minimale si obligatorii Profesor	
1	Activitate didactica si profesionala-DID (A1)	Manuale suport de curs (conform fisei disciplinei de concurs)	A1.1	Format tiparit/electronic [1] (min. 100 pag.)	Coordonator/ prim autor	N1 = <b>14.73</b> N1.1 = <b>10.02</b>	<b>14.73</b> <b>10.02</b>	<b>2</b> <b>1</b>
					Co-autor	N1.2 = <b>4.71</b>	<b>4.71</b>	-
				Format electronic disponibil pe Platforma universitatii/departamentului (autor)	N1.3 = <b>1</b>	<b>1</b>	<b>1</b>	
		Material didactic/Dezvoltare laboratoare, aplicatii	A1.2	Standuri laborator (constructie/modernizari) certificate de directorul de departament	N2 = <b>17.36</b> N2.1 = <b>16</b>	<b>17.36</b> <b>16</b>	<b>4</b> <b>2</b>	
				Indrumar laborator/carte aplicatii format tiparit sau electronic (autor, co-autor)	N2.2 = <b>1,36</b>	<b>1,36</b>	-	
		Aplicatie informatica educationale	N2.3 = <b>0</b>	<b>0</b>	-			
2	Activitate decercetare stiintifica, dezvoltare tehnologica si inovare- CDI (A2)	Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS) [2], unde n=nr.de autori si FI este factorul de impact [3]	A2.1	Autor corespondent/ prim autor	n ≤ 3	P1+P2= <b>42.859963</b> P1 = <b>39.77216</b> P1.1 = <b>18.628</b>	<b>42.85996</b> <b>39.77216</b> <b>18.628</b>	<b>10</b> <b>6</b> -
					n ≥ 4	P1.2 = <b>3.91265</b>	<b>3.91265</b>	-
				Co-autor	n ≤ 3	P1.3 = <b>5.53</b>	<b>5.53</b>	-
			n ≥ 4		P1.4 = <b>11.701513</b>	<b>11.70151</b>	-	
			Articole si publicatii stiintifice BDI [4] neincluse la A2.1	A2.2	Autor corespondent/ prim autor	N3 = <b>15</b> N3.1 = <b>9</b>	<b>15</b> <b>9</b>	<b>10</b> <b>5</b>
					Co-autor	N3.2 = <b>6</b>	<b>6</b>	-
		Brevete de inventii indexate [5]	A2.3	Internationale indexate in Web of Science-Derwent Innovation	n ≤ 3	P2 = <b>3.087</b> P2.1 = <b>3.087</b>	<b>3.087</b> <b>3.087</b>	- -
					n ≥ 4			
				Nationale indexate OSIM	n ≤ 3 n ≥ 4	P2.2 = <b>0</b>	<b>0</b>	-
		Produse, tehnologii, platforme si servicii inovative (validate conform procedurilor specific unitatilor de invatamant superior sau de cercetare)	A2.4	Coordonator/prim autor	N4 = <b>28</b> N4.1 = <b>10</b>	<b>28</b> <b>10</b>	<b>2</b> -	
				Co-autor	N4.2 = <b>15</b>	<b>15</b>	=	
		Monografii/ carti de specialitate [2], format tiparit/electro -nic (min.100 pag.)	A2.5	Coordonator/prim autor	N4.3 = <b>3</b>	<b>3</b>	<b>2</b>	
Co-autor	N4.4 = <b>0</b>			<b>0</b>	-			
3	Recunoastere si impactul activitatii-	Atragere resurse Financiare prin granturi/proiecte/ contracte terti	A3.1	Director sau responsabil partener la grant/ proiect castigat prin competitie nationala sau internationala	S=S1+S2= <b>187.562</b> S1 = <b>69.396</b>	<b>187.562</b>	<b>50</b>	
				Membri in echipa la grant/proiect castigat prin	S2 = <b>118.166</b>	<b>118.166</b>	-	

RIA (A3)			competiție națională sau internațională, proiecte/contracte terți			
	Prezentarea/Diseminarea rezultatelor: prezenta la manifestări științifice în calitate de autor/coautor de lucrări, profesor invitat	A3.2	Congrese/conferințe/workshopuri internaționale, profesor invitat la universități/institute din străinătate	N5 = 87	87	10
	Citari în publicații BDI [5] (se exclud autocitările)	A3.3	C1 = numărul de citări SFI = suma factorilor de impact al publicațiilor WOS în care apar citările	C = C1+ SFI = =201+735. 736= =936.736	936.736	25

Note:

[1] Publicația este înregistrată în fondul de carte al bibliotecii naționale sau al bibliotecilor universităților respective.

[2] Se exclud publicațiile conferințelor DAAAM și WSEAS.

[3] FI este factorul de impact al revistei la data înscrierii la concurs sau la data publicării articolului (cel mai avantajos pentru candidat). Se iau în considerare la această categorie numai revistele cu factor de impact la data publicării articolului. O revistă WOS este echivalentă cu o revistă cotate ISI cf. Ordinului de Ministru (MECTS) Nr. 4478 din 23 iunie 2011, publicat în Monitorul Oficial, Partea I, Nr. 448/27.VI.2011.

[4] Bazele de date BDI acceptate sunt: Web of Science Thomson Reuters (WOS) și SCOPUS.

[5] Un brevet se poate încadra la o singură categorie.

[6] Suma din grant/proiect încasată de instituție repartizată echipei din care directorul de grant/responsabil partener face parte (S1 include cheltuieli de: personal, logistică, deplasări, indirecte).

[7] Suma din grant/proiecte câștigate prin concurs național/internațional și proiecte/contracte terți încasată de instituție și repartizată de director/responsabil persoanei respective (S2 include cheltuieli de: personal, logistică, deplasări, indirecte).

[8] Pentru contractele derulate înainte de 01.01.1999 se va considera echivalența: 1 EURO = 1 \$ USA

Condiții minime și obligatorii						
Domeniul de activitate		Indicatori	Conferențiar	Profesor	CSII	CSI
Activitatea didactică / profesională (A1)	A1.1	N1	2	2	Nu se aplică	Nu se aplică
		N1.1	0	1		
		N1.3	1	1		
	A1.2	N2	3	4		
		N2.1	1	2		
Activitatea de cercetare (A2)	A2.1 + A2.3	P1+P2	5	10	5	10
		P1	3	6	3	6
	A2.2	N3	8	10	8	10
		N3.1	3	5	3	5
	A2.4 + A2.5	N4	1	2	1	2
		N4.3	0	1	0	1
Recunoașterea impactului activității (A3)	A3.1	S1 + S2	10	50	10	50
	A3.2	N5	5	10	5	10
	A3.3	C	10	25	10	25

unde:

P1 = P1.1 + P1.2 + P1.3 + P1.4; P2 = P2.1 + P2.2;

N1 = N1.1 + N1.2; N2 = N2.1 + N2.2 + N2.3; N3 = N3.1 + N3.2;

N4 = N4.1 + N4.2 + N4.3 + N4.4.

## JUSTIFICAREA INDICATORILOR

### 1. Activitate didactică și profesională - DID (A1)

#### A1.1 Manuale suport de curs - Format tipărit/electronic - Coordonator/prim autor

Nr. crt.	Carti publicate (denumire)	Nr. Pag.	Indicator
1	<b>Rîpeanu, R.G., Tudor, I., Zecheru, Gh., Trifan, C., Drumeanu, A.C., Dinita, A.,</b> Ingineria Coroziunii și Managementul Riscului Rețelelor Metalice de Distribuție a Gazelor Naturale, Editura KARTA-GRAPHIC Ploiești, (cod CNC SIS 340), 245 pg., ISBN 978-606-8312-94-1, Ploiești, 2013 <a href="http://alephnew.bibnat.ro:8991/F/N42DCR53KPA46MIQU8JEEY1ASM3J6SCL9UKTRGJTR9BCRT58LB-51714?func=full-set-set&amp;set_number=007106&amp;set_entry=000021&amp;format=999">http://alephnew.bibnat.ro:8991/F/N42DCR53KPA46MIQU8JEEY1ASM3J6SCL9UKTRGJTR9BCRT58LB-51714?func=full-set-set&amp;set_number=007106&amp;set_entry=000021&amp;format=999</a>	240	N1.1=2.4
2	<b>Rîpeanu, R.G.,</b> Corrosion in drilling- Workover Applications, Editura KARTA-GRAPHIC Ploiești, (cod CNC SIS 340), 105pg, ISBN 978-606-8312-95-8, Ploiești, 2013 <a href="http://alephnew.bibnat.ro:8991/F/N42DCR53KPA46MIQU8JEEY1ASM3J6SCL9UKTRGJTR9BCRT58LB-55121?func=full-set-set&amp;set_number=007106&amp;set_entry=000014&amp;format=999">http://alephnew.bibnat.ro:8991/F/N42DCR53KPA46MIQU8JEEY1ASM3J6SCL9UKTRGJTR9BCRT58LB-55121?func=full-set-set&amp;set_number=007106&amp;set_entry=000014&amp;format=999</a>	105	N1.1=1.05
3	<b>Rîpeanu, R.G.,</b> Coroziunea și protecția contra coroziunii conductelor, Editura KARTA-GRAPHIC Ploiești, (cod CNC SIS 340), 126 pg., ISBN 978-606-8312-94-1, Ploiești, 2013 <a href="http://alephnew.bibnat.ro:8991/F/N42DCR53KPA46MIQU8JEEY1ASM3J6SCL9UKTRGJTR9BCRT58LB-54490?func=full-set-set&amp;set_number=007106&amp;set_entry=000013&amp;format=999">http://alephnew.bibnat.ro:8991/F/N42DCR53KPA46MIQU8JEEY1ASM3J6SCL9UKTRGJTR9BCRT58LB-54490?func=full-set-set&amp;set_number=007106&amp;set_entry=000013&amp;format=999</a>	126	N1.1=1.26
4	<b>Rîpeanu, R.G.,</b> Protecție catodică, Suport curs CONPET, 161 pg., 2012 (inclus în suport curs Coroziunea Instalatiilor de Transport și depozitare- 190pg.)- format electronic	161	N1.1=1.61
5	<b>Rîpeanu, R.G.,</b> Corrosion in drilling- Module 2, Suport curs OMV Petrom Well Academy, 101pg, 2011- format electronic- a fost multiplicat de OMV	101	N1.1=1.01
6	<b>Rîpeanu, R.G.,</b> Coroziunea și protecția contra coroziunii conductelor, Suport curs Asociația Patronală a Gazelor, 120pg., 2009- format electronic	120	N1.1=1.2
7	<b>Rîpeanu, R.G.,</b> Corrosion in drilling- Module 3, Suport curs OMV Petrom Well Academy, 57pg, 2009- format electronic- a fost multiplicat de OMV	57	N1.1=0.57
8	<b>Rîpeanu, R.G.,</b> Monitorizarea, Diagnoza și Mentenanța Utilajului Petrolier, suport curs PHARE Program Coeziune economică și socială, 73pg., 2005-2006- format electronic	73	N1.1=0.73
9	<b>Rîpeanu, R.G.,</b> Corrosion of petroleum and petrochemical equipments, A17, Suport curs Dung Quat Refinery, Petroconsult, 19pg., 2007	19	N1.1=0.19
<b>Total indicator N1.1 =</b>			<b>10.02</b>

#### A1.1 Manuale suport de curs - Format tipărit/electronic -Co- autor

Nr. crt.	Carti publicate (denumire)	Nr. pag	Indicatori
1	Tudor, I., Zecheru, Gh., Drăghici, Gh., Ilie, E. Lața, <b>Rîpeanu, R.G.,</b> Petrescu, M.G., Dinu, F., Georgescu, D., Roșu, B., Protecția anticorozivă și reabilitarea conductelor și rezervoarelor, Ed. Univ. Petrol-Gaze din Ploiești, (cod CNC SIS 87), 448pg., ISBN 978-973-719-154-0, 2007 <a href="http://alephnew.bibnat.ro:8991/F/N42DCR53KPA46MIQU8JEEY1ASM3J6SCL9UKTRGJTR9BCRT58LB-02242?func=full-set-set&amp;set_number=007205&amp;set_entry=000001&amp;format=999">http://alephnew.bibnat.ro:8991/F/N42DCR53KPA46MIQU8JEEY1ASM3J6SCL9UKTRGJTR9BCRT58LB-02242?func=full-set-set&amp;set_number=007205&amp;set_entry=000001&amp;format=999</a>	240	N1.2=2.4
2	Tudor, I., <b>Rîpeanu, R.G.,</b> Ingineria coroziunii Vol.II, Editura Universității din Ploiești, (cod CNC SIS 87), 351 pg., ISBN 973-8150-32-9, Ploiești, 2002; <a href="http://alephnew.bibnat.ro:8991/F/N42DCR53KPA46MIQU8JEEY1ASM3J6SCL9UKTRGJTR9BCRT58LB-00633?func=full-set-set&amp;set_number=007191&amp;set_entry=000021&amp;format=999">http://alephnew.bibnat.ro:8991/F/N42DCR53KPA46MIQU8JEEY1ASM3J6SCL9UKTRGJTR9BCRT58LB-00633?func=full-set-set&amp;set_number=007191&amp;set_entry=000021&amp;format=999</a>	351	N1.2=1.05
3	Tudor, I., <b>Rîpeanu, R.G.,</b> Ingineria coroziunii Vol.I, Editura Universității din Ploiești, (cod CNC SIS 87), 301 pg., ISBN 973-8150-29-9, Ploiești, 2002 <a href="http://alephnew.bibnat.ro:8991/F/N42DCR53KPA46MIQU8JEEY1ASM3J6SCL9UKTRGJTR9BCRT58LB-00633?func=full-set-set&amp;set_number=007191&amp;set_entry=000021&amp;format=999">http://alephnew.bibnat.ro:8991/F/N42DCR53KPA46MIQU8JEEY1ASM3J6SCL9UKTRGJTR9BCRT58LB-00633?func=full-set-set&amp;set_number=007191&amp;set_entry=000021&amp;format=999</a>	301	N1.2=1.26
<b>Total indicator N1.2 =</b>			<b>4.71</b>

**A1.1 Manuale suport de curs - Format electronic disponibil pe Platforma universitatii/departamentului (autor)**

Nr. crt.	Carti publicate (denumire)	Nr. pag	Indicatori
1	<i>Rîpeanu, R.G., Dinamica degradării sistemelor tehnice II- 100 pg- Curs dezvoltat pe platforma SIGMA in cadrul programului POSDRU 55585</i>	100	N1.3=1
<b>Total indicator N1.3 =</b>			<b>1</b>

**Total punctaj indicator N1=N1.1+N1.2=10.02+4.71=14.73**

**A1.2 Material didactic/Dezvoltare laboratoare, aplicatii- Standuri laborator (constructie/modernizari)**

Nr. crt.	Dezvoltare standuri laborator pentru activitati didactice/cercetare	Indicatori	
1	<i>Determinarea vitezei de coroziune a anodului macropilelor galvanice-(achizitionare multimetre APPA)</i>	N2.1=1	
2	<i>Determinarea potențiodinamică a parametrilor electrochimici de coroziune- (sistem potentiostat)</i>	N2.1=1	
3	<i>Determinarea uzurii si coeficientului de frecare pe tribometrul CSM ball -on -disk-(bile, cuve, traductor de rezistenta, suport, greutate)</i>	N2.1=1	
4	<i>Determinarea influentei mediului de lucru asupra uzurii si coeficientului de frecare pe mașina ball-on disk-(bile 100Cr6, safir, cuve de 2 dimensiuni, traductor de rezistenta, suport, greutate)</i>	N2.1=1	
5	<i>Determinarea parametrilor ce definesc microgeometria suprafețelor si variația lor in funcție de condițiile de frecare-(palpator pentru profilometrul Surtronic3+)</i>	N2.1=1	
6	<i>Determinarea potențialului fata de sol a construcțiilor metalice îngropate (Protecție catodica)</i>	N2.1=1	
7	<i>Determinarea rezistivității solurilor (Aparat măsurare prize de pământ)</i>	N2.1=1	
8	<i>Stabilirea influentei concentrației in săruri asupra conductivității soluțiilor (Conductivimetru,)</i>	N2.1=1	
9	<i>Determinarea pH-ului si a conductivității solului (pH-metru, conductivimetru)</i>	N2.1=1	
10	<i>Determinarea sarcinilor induse de sol si trafic in construcțiile metalice îngropate - (Traductor Spider 8+, soft Catman, marci, traductor deplasare)</i>	N2.1=1	
11	<i>Realizare laborator Protecție Catodica</i>	N2.1=1	
12	<i>Stand de determinare a fortelor si momentului la gaurire</i>	N2.1=1	
13	<i>Stand de testare la oboseala in mediu coroziv</i>	N2.1=1	
14	<i>Stand de determinare a fortelor/momentelor cu simularea articulatiei genunchiului</i>	N2.1=1	
15	<i>Adaptare stand de uzura cu miscare rectilinie alternativa pentru determinare uzurii etansarilor metal pe metal</i>	N2.1=1	
16	<i>Stand privind modul general de degradare a elementelor de interconectare a echipamentelor din componența instalației de tratare ape de injecție</i>	N2.1=1	
<b>Total indicator N2.1 =</b>			<b>16</b>

**A1.2 Material didactic/Dezvoltare laboratoare, aplicatii -Indrumar laborator/carte aplicatii format tiparit sau electronic (autor, co-autor)**

Nr. crt.	Carti publicate (denumire)	Nr. pag	Indicatori N2.2
1	<i>Tudor, I., Rîpeanu, R.G., Coroziunea și protecția suprafețelor-Îndrumar de lucrări practice, Editura IMPRIMEX, 92 pg., ISBN 973-96751-7-4, Ploiești, 1997</i>	92	0.92
2	<i>Rîpeanu, R.G., Materials and corrosion, B32, Suport aplicatii Dung Quat</i>	9	0.09

	<i>Refinery, Petroconsult, 9pg., 2007</i>		
3	<i>Rîpeanu, R.G., Tribology, B38, Suport curs Dung Quat Refinery, Petroconsult, 18pg., 2007</i>	18	0.18
4	<i>Rîpeanu, R.G., Corrosion, B35, Suport curs Dung Quat Refinery, Petroconsult, 17pg., 2007</i>	17	0.17
<b>Total indicator N2.2 =</b>		<b>1.36</b>	

### ***A1.2 Material didactic/Dezvoltare laboratoare, aplicatii- Aplicatie informatica educationala***

Nr. crt.	<i>Aplicatie informatica educationala</i>	Indicatori N2.3
1	-	0
<b>Total indicator N2.3=</b>		<b>0</b>

**Total punctaj indicator N2**  
 $N2=N2.1+N2.2+N2.3=16+1.36+0=17.36$

## ***2. Activitate de cercetare stiintifica, dezvoltare tehnologica si inovare-CDI (A2)***

### ***A2.1 Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS), unde n=nr.de autori si FI este factorul de impact – autor correspondent/prim autor, n ≤ 3***

Nr. crt.	<i>Denumire articol</i>	<i>Factor de Impact FI</i>	<i>Realizat P1.1 = 2(0,2+FI), n ≤ 3</i>
1	Ri, J.H., <b>Ripeanu R G</b> , Dinita A, <a href="https://www.mas.bg.ac.rs/media/istrazivanje/fme/vol48/4/10_rg_ripeanu_et_al.pdf">Erosion Modeling in Parallel Gate Valve</a> , FME Transactions, Ed. University of Belgrade, 48(4), 2020, pp.808-815, ISSN Print 1451-2092, ISSN Online 2406-128X, <a href="https://www.mas.bg.ac.rs/media/istrazivanje/fme/vol48/4/10_rg_ripeanu_et_al.pdf">https://www.mas.bg.ac.rs/media/istrazivanje/fme/vol48/4/10_rg_ripeanu_et_al.pdf</a> , Belgrade, Serbia, 2020, WOS:000576413500010	0	0.4
2	<b>Ripeanu, R. G.</b> , <a href="https://doi.org/10.1088/1757-899X/174/1/012043">Design and technology parameters influence on durability for heat exchangers tube to tubesheet joints</a> , 13th International Conference on Tribology (ROTRIB) Location: Galati, ROMANIA Date: SEP 22-24, 2016, Book Series: IOP Conference Series-Materials Science and Engineering Vol. 174, 2017, pp.1-10, ISSN 1757-8981, <a href="https://doi.org/10.1088/1757-899X/174/1/012043">https://doi.org/10.1088/1757-899X/174/1/012043</a> , Bristol BS1 6BE, England,2017 WOS:000399753500043	0	0.4
3	<b>Ripeanu, R. G.</b> , Ispas, A., Ispas, D., <a href="https://doi.org/10.1088/1757-899X/174/1/012004">Experimental analysis of axial and radial stress distribution in soft materials used for petrochemical valve stem sealing package</a> , 13th International Conference on Tribology (ROTRIB) Location: Galati, ROMANIA Date: SEP 22-24, 2016, Book Series: IOP Conference Series-Materials Science and Engineering Vol. 174, 2017, pp.1-8, ISSN 1757-8981, <a href="https://doi.org/10.1088/1757-899X/174/1/012004">https://doi.org/10.1088/1757-899X/174/1/012004</a> , Bristol BS1 6BE, England,2017 WOS:000399753500004	0	0.4
4	Ripeanu, R.G., Minescu, M., Nita, C.A., <a href="http://scibulcom.net/jbtan.php">WEAR BEHAVIOUR OF ANTIFRICTION COATINGS APPLIED AT PARALLEL GATE VALVES</a> , Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.22, No.1, 2016, pp.240-249, ISSN 1310-4772, <a href="http://scibulcom.net/jbtan.php">http://scibulcom.net/jbtan.php</a> , Sofia, Bulgaria, 2016 WOS:000374619000023	0.737	1.874
5	Ripeanu, R.G., Badicioiu, M., Caltaru, M., <a href="http://scibulcom.net/jbtan.php">RECONDITIONING OF DRILL COLLARS BY USING WELDING TECHNOLOGIES</a> , Journal of the Balkan	0.737	1.874

	Tribological Association, Ed.SciBulCom.Ltd, Vol.21, No.2, 2015, pp.314-328, ISSN 1310-4772, <a href="http://scibulcom.net/jbtan.php">http://scibulcom.net/jbtan.php</a> , Sofia, Bulgaria, 2015 WOS:000357902700006		
6	Rîpeanu, R.G., Ispas, V., Ispas, D., <a href="#">Review above applying active anode protection at some dynamic petroleum equipment's in order to reduce wear</a> , FME Transactions, Ed. University of Belgrade, Vol.43, No.3, 2015, pp.192-205, ISSN 1451-2092, <a href="http://www.mas.bg.ac.yu/transactions/">http://www.mas.bg.ac.yu/transactions/</a> , <a href="http://www.scopus.com">www.scopus.com</a> , Belgrade, Serbia, 2015 WOS:000409735300005	0	0.4
7	Caltaru, M., Badicioiu, M., Ripeanu, R.G., <a href="#">ESTABLISHING THE TRIBOLOGICAL BEHAVIOUR OF HVOF HARDFACING APPLIED AT PETROLEUM GATE VALVES</a> , Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.19, No.3, 2013, pp.448-460, ISSN 1310-4772, <a href="http://scibulcom.net/jbtan.php">http://scibulcom.net/jbtan.php</a> , Sofia, Bulgaria, 2013 WOS:000325829500012	0.737	1.874
8	Rîpeanu, R.G., Ispas, V., Ispas, D., <a href="#">TRIBOLOGICAL BEHAVIOUR OF BRAKE BANDS</a> , Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.18, No.1, 2012, pp.28-35, ISSN 1310-4772, <a href="http://scibulcom.net/jbtan.php">http://scibulcom.net/jbtan.php</a> , Sofia, Bulgaria, 2012 WOS:000302843400003	0.737	1.874
9	Rîpeanu, R.G., Ispas, V., Ispas, D., <a href="#">AUSTENITIC STAINLESS STEEL TYPE AISI 316L CORROSIVE BEHAVIOUR IN HAIR SHAMPOO MEDIUM</a> , Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.18, No.1, 2012, pp.36-43, ISSN 1310-4772, <a href="http://scibulcom.net/jbtan.php">http://scibulcom.net/jbtan.php</a> , Sofia, Bulgaria, 2012 WOS:000302843400004	0.737	1.874
10	Rîpeanu, R.G., Tudor, I., Dinu, F., <a href="#">RESEARCH ABOUT THE EFFICIENCY OF ACTIVE ANODE PROTECTION AT CENTRIFUGAL PUMPS</a> , Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.15, No.2, 2009, pp.193-201, ISSN 1310-4772, <a href="http://scibulcom.net/jbtan.php">http://scibulcom.net/jbtan.php</a> , Sofia, Bulgaria, 2009 WOS:000268739400006	0.737	1.874
11	Drumeanu, A., Rîpeanu, R.G., Matei, G.M, <a href="#">METALWORKING FLUIDS BASED ON VEGETABLE OIL AND SYNTHETIC ESTERS USED FOR TURNING OPERATIONS</a> , Journal of the Balkan Tribological Association, Vol.14, No.4, 2008, p.551-559, ISSN 1310-4772, <a href="http://scibulcom.net/jbtan.php">http://scibulcom.net/jbtan.php</a> , Sofia, Bulgaria, 2008, WOS:000263036200015	0.737	1.874
12	Manea, F., Tudor, I., Rîpeanu, R.G., <a href="#">The corrosive behaviour of petroliferous waters on metallic components of extraction downhole pumps</a> Rev. De Chimie din România, Ianuarie 2005, Vol.56, pp.103-105, RCBUAU 56 (1)-2005, ISSN 0034-7752, Bucureşti, <a href="http://www.revistadechimie.ro/">http://www.revistadechimie.ro/</a> , 2005 WOS:000228443100025	1.755	3.91
<b>Total indicator P1.1 =</b>		<b>18.628</b>	<b><math>n \leq 3</math></b>

**A2.1 Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS), unde  $n=nr.de\ autori\ si\ FI\ este\ factorul\ de\ impact$   
– autor correspondent/prim autor,  $n \geq 4$**

Nr. crt.	Denumire articol	Factor de Impact FI	Realizat P1.2 = $2 \cdot 3 \cdot (0,2 + FI) / n$ , $n \geq 4$
1	<b>Ripeanu R G, Badicioiu M, Caltaru M, Dinita A, Laudacescu E, Tribological characterization of the drill collars and casing friction couples</b> , 9 <sup>th</sup> International Conference on Tribology, BALKANTRIB'17 13-15 September, Cappadocia,	0	0.24

	TURKEY, 2017, Book Series: IOP Conference Series-Materials Science and Engineering Vol. 295, 2018, pp.1-10, ISSN 1757-8981, <a href="https://doi.org/10.1088/1757-899X/295/1/012009">https://doi.org/10.1088/1757-899X/295/1/012009</a> , Bristol BS1 6BE, England,2018 WOS:000448617300009		
2	Caltaru M, Badicioiu M, <b>Ripeanu R G</b> , Dinita A, Minescu M, Laudacescu E, <a href="#"><u>Tribological characterization of the drill pipe tool joints reconditioned by using welding technologies</u></a> , 9 <sup>th</sup> International Conference on Tribology, BALKANTRIB'17 13-15 September, Cappadocia, TURKEY, 2017, Book Series: IOP Conference Series-Materials Science and Engineering Vol. 295, 2018, pp.1-11, ISSN 1757-8981, <a href="https://doi.org/10.1088/1757-899X/295/1/012010">https://doi.org/10.1088/1757-899X/295/1/012010</a> , Bristol BS1 6BE, England,2018 WOS:000448617300010	0	0.2
3	Ionescu, G.C., Nae, I., <b>Ripeanu, R.G.</b> , Dinita, A., Stan, G., <a href="#"><u>Studies on Tribological Behavior of Aluminum Nitride-Coated Steel</u></a> , 13 <sup>th</sup> International Conference on Tribology (ROTRIB) Location: Galati, ROMANIA Date: SEP 22-24, 2016, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 174, 2017, pp.1-9, ISSN 1757-8981, <a href="https://doi.org/10.1088/1757-899X/174/1/012052">https://doi.org/10.1088/1757-899X/174/1/012052</a> , Bristol BS1 6BE, England,2017 WOS:000399753500052	0	0.24
4	Dragomir, D., Cojocar, M., Alexa, M., <b>Ripeanu, R.G.</b> , Drumeanu, A.C., <a href="#"><u>NITRIDING TECHNOLOGIES USING PROCESS SENSORS IN VIEW OF OBTAINING OF RESISTANT LAYERS AGAINST CORROSION AND WEAR</u></a> Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.16, No.1, 2010, pp.80-87, ISSN 1310-4772, <a href="http://scibulcom.net/jbtan.php">http://scibulcom.net/jbtan.php</a> , Sofia, Bulgaria, 2010 WOS:000276649000009	0.737	1.1244
5	Tudor, I., Popescu, A., <b>Ripeanu, R.G.</b> , Drumeanu, A.C., Braic, V., Balaceanu, M., Vladescu, A., Braic, M., <a href="#"><u>TRIBOLOGICAL BEHAVIOUR OF TiSiN/Ti AND TiSiN/Cu MULTILAYER COATINGS</u></a> , Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.15, No.2, 2009, pp.156-162, ISSN 1310-4772, <a href="http://scibulcom.net/jbtan.php">http://scibulcom.net/jbtan.php</a> , Sofia, Bulgaria, 2009 WOS:000268739400002	0.737	0.70275
6	<b>Ripeanu, R.G.</b> , Drumeanu, A.C., Luca, M., Ripeanu, L., <a href="#"><u>ESTABLISHMENT OF THE INFLUENCE OF SOYBEAN OIL ON WEAR BEHAVIOUR OF CUTTING TOOLS DURABILITY</u></a> , Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.14, No.4, 2008, pp.490-499, ISSN 1310-4772, <a href="http://scibulcom.net/jbtan.php">http://scibulcom.net/jbtan.php</a> , Sofia, Bulgaria, 2008 WOS:000263036200009	0.737	1.4055
<b>Total indicator P1.2 =</b>			<b>3.91265</b> <b>n ≥ 4</b>

**A2.1 Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS), unde  $n=nr.de\ autori\ si\ FI\ este\ factorul\ de\ impact$  – co-autor,  $n \leq 3$**

Nr. crt.	Denumire articol	Factor de Impact FI	Realizat $PI.3 = 0,2+FI,$ $n \leq 3$
1	Patirnac, I., <b>Ripeanu, R.G.</b> , Ramadan, I., <a href="#"><u>Theoretical and Experimental Studies on the Cut Zone Generated by AWJ Process</u></a> , FME Transactions, Ed. University of Belgrade, 49(4), <b>2021</b> , pp.997-1004, ISSN Print 1451-2092, ISSN Online 2406-128X, <a href="https://doi.org/10.5937/fme2104997P"><u>https://doi.org/10.5937/fme2104997P</u></a> , Belgrade, Serbia, 2021, WOS:000734088700025	0	0.2
2	Bogdan-Roth M., Romanet M., <b>Ripeanu R.G.</b> , <a href="#"><u>Eccentric device for varying the gear ratio</u></a> , The 14 <sup>th</sup> International Conference on Tribology September 19-21, 2019 – Cluj Napoca, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 724, <b>2020</b> , pp.1-7, ISSN 1757-899X, <a href="https://doi.org/10.1088/1757-899X/724/1/012010"><u>https://doi.org/10.1088/1757-899X/724/1/012010</u></a> , Bristol BS1 6BE, England, 2020 WOS:000619349400010	0	0.2
3	Patirnac, I., <b>Ripeanu, R.G.</b> , Laudacescu, E., <a href="#"><u>Abrasive flow modelling through active parts water jet machine using CFD simulation</u></a> , The 14 <sup>th</sup> International Conference on Tribology September 19-21, 2019 – Cluj Napoca, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 724, <b>2020</b> , pp.1-7, ISSN 1757-899X, <a href="https://doi.org/10.1088/1757-899X/724/1/012001"><u>https://doi.org/10.1088/1757-899X/724/1/012001</u></a> , Bristol BS1 6BE, England,2020, WOS:000619349400001	0	0.2
4	Lospa, A., <b>Ripeanu, R.G.</b> , Dinita, A., <a href="#"><u>Erosion modelling: a systematic review of available models and equations</u></a> , The 14 <sup>th</sup> International Conference on Tribology September 19-21, 2019 – Cluj Napoca, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 724, <b>2020</b> , pp.1-11 WOS:000619349400037	0	0.2
5	Drumeanu, A.C., <b>Ripeanu, R.G.</b> , <a href="#"><u>CORROSIVITY OF SOME LUBRICATING SOLUTIONS BASED ON ORGANIC POLYMERS</u></a> , Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.21, No.1, 2015, pp.211-221, ISSN 1310-4772, <a href="http://scibulcom.net/jbtan.php"><u>http://scibulcom.net/jbtan.php</u></a> , Sofia, Bulgaria, 2015 WOS:000353529500019	0.737	0.937
6	Drumeanu, A.C., <b>Ripeanu, R.G.</b> , <a href="#"><u>METALLIC ELEMENT DESIGN OF TRIBO-THERMAL STRESSED DRY FRICTION COUPLES</u></a> , Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.16, No.3, <b>2010</b> , pp.362-372, ISSN 1310-4772, <a href="http://scibulcom.net/jbtan.php"><u>http://scibulcom.net/jbtan.php</u></a> , Sofia, Bulgaria, 2010 WOS:000282925100005	0.737	0.937
7	Filip, St. M., <b>Ripeanu, R.G.</b> , Avrigean, E., <a href="#"><u>Studies and Research on the Electrical Resistance of the Polyethylene Insulation Used for the Chemical Protection of the Steel Pipelines Intended for the Natural Gas Distribution</u></a> , MATERIALE PLASTICE, Vol. 54 , No. 1, <b>2017</b> , pp. 63-66, ISSN 0025-5289,	0.782	0.982



	<a href="http://www.revmaterialeplastice.ro/archive.asp">http://www.revmaterialeplastice.ro/archive.asp</a> , Bucuresti, Romania, 2017 WOS:000400629900015		
8	Drumeanu, A.C., Antonescu, N.N., <b>Ripeanu, R.G.</b> , <u><a href="#">SOME ASPECTS CONCERNING THE EXPERIMENTAL DETERMINATION METHODOLOGY FOR THE NON-ISOTHERMAL CYCLIC DURABILITY OF THE MACHINE STEELS</a></u> , Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.16, No.3, <b>2010</b> , pp.315-328, ISSN 1310-4772, <a href="http://scibulcom.net/jbtan.php">http://scibulcom.net/jbtan.php</a> , Sofia, Bulgaria, 2010 WOS:000282925100001	<b>0.737</b>	0.937
9	Florea, O., Luca, M., <b>Ripeanu, R.G.</b> , <u><a href="#">ENVIRONMENTAL FRIENDLY THREAD COMPOUNDS FOR CASING, TUBING AND LINE PIPE</a></u> , Journal of the Balkan Tribological Association, Ed.SciBulCom.Ltd, Vol.15, No.2, 2009, pp.292-297, ISSN 1310-4772, <a href="http://scibulcom.net/jbtan.php">http://scibulcom.net/jbtan.php</a> , Sofia, Bulgaria, 2009 WOS:000268739400017	<b>0.737</b>	0.937
<b>Total indicator P1.3 =</b>			<b>5.53</b> <b>n ≤ 3</b>

**A2.1 Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS), unde n=nr.de autori si FI este factorul de impact – co-autor, n ≥ 4**

Nr. crt.	Denumire articol	Factor de Impact FI	Realizat $P1.4 = 3 \cdot (0,2 + FI) / n$ , $n \geq 4$
1	Dudu, C., Drumeanu, A.C., <b>Ripeanu, R.G.</b> , Dinita, A., <u><a href="#">Some considerations regarding the influence of working conditions on the corrosion wear of the injection water treatment plant equipment</a></u> , The 14 <sup>th</sup> International Conference on Tribology September 19-21, 2019 – Cluj Napoca, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 724, <b>2020</b> , pp.1-7, ISSN 1757-899X, <a href="https://doi.org/10.1088/1757-899X/724/1/012033">https://doi.org/10.1088/1757-899X/724/1/012033</a> , Bristol BS1 6BE, England,2020,nWOS:000619349400033	<b>0</b>	0.15
2	Hagianu, A., Nae, I., Ionescu, G.C., <b>Ripeanu, R.G.</b> , <u><a href="#">Research on mechanical and geometrical characteristics of materials used for flexible tubing production</a></u> , The 14 <sup>th</sup> International Conference on Tribology September 19-21, 2019 – Cluj Napoca, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 724, <b>2020</b> , pp.1-10, ISSN 1757-899X, <a href="https://doi.org/10.1088/1757-899X/724/1/012004">https://doi.org/10.1088/1757-899X/724/1/012004</a> , Bristol BS1 6BE, England,2020 WOS:000619349400004	<b>0</b>	0.15
3	Besleaga, C., Dumitru, V., Trinca, LM., Popa, AC., Negrila, CC., Kolodziejczyk, L., Luculescu, CR., Ionescu, GC., <b>Ripeanu, RG.</b> , Vladescu, A., <u><a href="#">Mechanical, Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure, NANOMATERIALS</a></u> Vol. 7, No. 11, ISSN: 2079-4991, pp.1-26, Article Number: 394 doi: <a href="https://doi.org/10.3390/nano7110394">10.3390/nano7110394</a> Published: NOV 2017	<b>5.719</b>	1.7757

	WOS:000416783800049		
4	Cursaru, D.L., Ramadan, I., Tănăsescu, C., <b>Ripeanu, R.G.</b> , <u><a href="#">STUDY OF THE TRIBOLOGICAL BEHAVIOR OF DIFFERENT CARBONACEOUS NANOMATERIALS SUCH AS ANTIWEAR ADDITIVES FOR AN ENVIRONMENTALLY FRIENDLY LUBRICANT</a></u> , Digest Journal of Nanomaterials and Biostructures, Vol.8, No.2, April-June <b>2013</b> , ISSN:1842-3582, pp. 805-815, <a href="http://www.chalcogen.infim.ro/digest.html">http://www.chalcogen.infim.ro/digest.html</a> , Bucuresti, Romania, 2013 WOS:000322737500034	<b>0.899</b>	0.82425
5	Cursaru, D.L., Andronescu, C., Pirvu, C., <b>Ripeanu, R.G.</b> , <u><a href="#">The efficiency of Co-based single wall carbon nanotubes (SWNTs) in comparison with a commercial additive as AW and EP additives to mineral base oil</a></u> , Wear, Ed. Elsevier B.V. Olanda, Vol. 290-291, 30 June <b>2012</b> , pp. 133-139, ISSN: 0043-1648, <a href="http://dx.doi.org/10.1016/j.wear.2012.04.019">http://dx.doi.org/10.1016/j.wear.2012.04.019</a> , Amsterdam 1043 NX, Olanda, 2012 WOS:000307032800016	<b>4.695</b>	3.67125
6	Braic, M., Braic, V., Balaceanu, M., Zoita, C.N., Kiss, A., Vladescu, A., Popescu, A., <b>Ripeanu, R.G.</b> , <u><a href="#">Structure and properties of Zr/ZrCN coatings deposited by cathodic arc method</a></u> , Mater. Chem. Phys. (2011), <i>Materials Chemistry and Physics</i> , Ed. Elsevier B.V. Olanda, Vol.126, No.3, <b>2011</b> , pp.818-825, ISSN 0254-0584, <a href="https://doi.org/10.1016/j.matchemphys.2010.12.036">doi:10.1016/j.matchemphys.2010.12.036</a> , Amsterdam 1043 NX, Olanda, 2011	<b>4.778</b>	1.86675
7	Balaceanu, M., Braic, V., Braic, M., Vladescu, A., Zoita, C.N., Grigorescu, C.E., Grigore, E., <b>Ripeanu, R.G.</b> , <u><a href="#">Characteristics of Ti-Nb, Ti-Zr and Ti-Al containing hydrogenated carbon nitride films</a></u> , Solid State Sciences, Ed. Elsevier B.V. Olanda, Vol. 11, No.10, 2009, pp.1773-1777, ISSN 1293-2558, <a href="https://doi.org/10.1016/j.solidstatesciences.2008.12.001">doi:10.1016/j.solidstatesciences.2008.12.001</a> , Amsterdam 1043 NX, Olanda, 2009 WOS:000271331900009	<b>3.752</b>	1.482
8	Balaceanu, M., Braic, V., Kiss, A., Zoita, C.N., Vladescu, A., Braic, M., Tudor, I., Popescu, A., <b>Ripeanu, R.G.</b> , Logofatu, C. and Negrila, C.C., <u><a href="#">Characteristics of arc plasma deposited TiAlZrCN coatings</a></u> , Surface and Coatings Technology, Ed. Elsevier B.V. Olanda, Vol.202, No.16, <b>2008</b> , pp.3981-3987, ISSN 0257-8972, <a href="https://doi.org/10.1016/j.surfcoat.2008.02.005">doi:10.1016/j.surfcoat.2008.02.005</a> , Amsterdam 1043 NX, Olanda, 2008 WOS:000255821600030	<b>4.865</b>	1.381363
9	Vladescu, A., Kiss, A., Popescu, A., Braic, M., Balaceanu, M., Braic, V., Tudor, I., Logofatu, C., Negrila, C. C. and <b>Ripeanu, R.G.</b> , <u><a href="#">Influence of bilayer period on the characteristics of nanometre-scale ZrN/TiAlN multilayers</a></u> , J. Nanosci. Nanotechnol., Ed. American Scientific Publishers, Vol.8, No.2, <b>2008</b> , pp. 717–721, ISSN 1533-4880, <a href="http://www.aspbs.com/jnn/contents_jnn2008.htm#v8n2">http://www.aspbs.com/jnn/contents_jnn2008.htm#v8n2</a> , Valencia, California 91381-0751, USA, 2008, <a href="http://www.ncbi.nlm.nih.gov/sites/entrez">http://www.ncbi.nlm.nih.gov/sites/entrez</a> , IngentaConnect DOI: 10.1166/jnn.2008.D218, California USA, 2008	<b>1.134</b>	0.4002

WOS:000254083700038		
<b>Total indicator P1.4 =</b>		<b>11.701513</b>
		<b><math>n \geq 4</math></b>

**Total punctaj indicator P1**

$$P1=P1.1+P1.2+P1.3+P1.4=18.628+3.91265+5.53+11.701513=39.772163$$

**A2.2 Articole si publicatii stiintifice BDI neincluse la A2.1 - autor  
corespondent/prim autor**

Nr. crt.	Denumire articol	Baza de date	Realizat N3.1 =numar
1	Ri, J.H., <b>Ripeanu, R.G.</b> , Dinita, A., <a href="#">Erosion Modeling of Coated Gate Valves</a> , Tribology in Industry, Vol. 44, No. 1, pp. 113-122, (2022), DOI: <a href="https://doi.org/10.24874/ti.1145.06.21.09">10.24874/ti.1145.06.21.09</a> , ISSN: 0354-8996 (print version); 2217-7965 (online version), Faculty of Engineering, University of Kragujevac, Serbia, 2022	Scopus	1
2	Ri, J.H., <b>Ripeanu, R.G.</b> , <a href="#">Modeling analysis of the valve flange with octagonal ring gasket under the influence of temperature</a> , Scientific Bulletin of University „Politehnica” of Bucharest Series D, 83 (4), 2021, pp.239-252, ISSN 1454-2358(print), ISSN 2286-3699(online), <a href="https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rez82c_343613.pdf">https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rez82c_343613.pdf</a> , Bucharest, Romania, 2021	Scopus	1
3	Tudor, I., <b>Ripeanu, R.G.</b> , <i>Minimising wear by weld covering with metallic carbide recovered at grinding</i> , Tribology in industry, Vol. 19, no.3, pp.124-127, YU ISSN 0354-8996, Kragujevac, <a href="http://scindeks.nb.rs/journalDetails.aspx?issn=0351-1642">http://scindeks.nb.rs/journalDetails.aspx?issn=0351-1642</a> , <a href="http://www.scopus.com">www.scopus.com</a> , 1997	Scopus	1
4	Tudor, I., Popescu, A., <b>Ripeanu, R.G.</b> , Balaceanu, M., Braic, V., Braic, M., <i>Tribological characteristics of superhard Ti (C, N) coating deposited on milling cutters</i> , Tribology in Industry, vol. 26, no. 1-2, pp. 48-51, YU ISSN 0354-8996, Kragujevac, <a href="http://scindeks.nb.rs/journalDetails.aspx?issn=0351-1642">http://scindeks.nb.rs/journalDetails.aspx?issn=0351-1642</a> , <a href="http://www.scopus.com">www.scopus.com</a> , 2004	Scopus	1
5	Zidaru, I., <b>Ripeanu, R.G.</b> , Tudor, I., Drumeanu, A.C., <i>Research regarding the improvements of tribological behavior in three cone bits bearings</i> , FME Transactions, Ed. University of Belgrade, Vol.37, No.2, 2009, pp.99-102, ISSN 1451-2092, <a href="http://www.mas.bg.ac.yu/transactions/">http://www.mas.bg.ac.yu/transactions/</a> , <a href="http://www.scopus.com">www.scopus.com</a> , Belgrade, Serbia, 2009	Scopus	1
6	Iancu, M., <b>Ripeanu, R.G.</b> , Tudor, I., <i>Heat exchangers tube to tube sheet joints corrosion behavior</i> , Tribology in Industry, vol. 35, no. 1, pp. 19-24, YU ISSN 0354-8996, Kragujevac, <a href="http://scindeks.nb.rs/journalDetails.aspx?issn=0351-1642">http://scindeks.nb.rs/journalDetails.aspx?issn=0351-1642</a> , <a href="http://www.scopus.com">www.scopus.com</a> , Serbia, 2013	Scopus	1
7	<b>Ripeanu, R.G.</b> , Drumeanu, A.C., Luca, M., Orban, T., <i>Tribological Behavior of Metalworking Fluids</i> , Proceedings of 17 <sup>th</sup> International Colloquium Tribology 2010, Solving Friction and Wear Problems, Vol.1, 2010, Technische Akademie Esslingen, pp.738-743, <a href="http://www.tae.de/tribology/">www.tae.de/tribology/</a> , <a href="http://www.scopus.com">www.scopus.com</a> , ISBN 978-3-924813-80-2, 19-21 January, Ostfildern, Germany, 2010	Scopus	1
8	<b>Ripeanu, R.G.</b> , Drumeanu, A.C., Luca, M., <i>The influence above cutting tools durability of oil base lubricants</i> , Proceedings of 16 <sup>th</sup> International Colloquium Tribology 2008, Lubricants Materials and Lubrication Engineering and CD TAE 2008, ISBN 3924813736;	Scopus	1

	978-392481373-4, Technische Akademie Esslingen, <a href="http://www.tae.de/tribology/">www.tae.de/tribology/</a> , <a href="http://www.scopus.com">www.scopus.com</a> , 15-17 January, Ostfildern, Germany, 2008		
9	<b>Rîpeanu, R.G.</b> , Tudor, I., Dinu, F., <i>Diminishing Erosion-Corrosion Wear at Centrifugal Pumps</i> , Proceedings of 16 <sup>th</sup> International Colloquium Tribology and CD TAE 2008, ISBN 3924813736; 978-392481373-4, Technische Akademie Esslingen, <a href="http://www.tae.de/tribology/">www.tae.de/tribology/</a> , <a href="http://www.scopus.com">www.scopus.com</a> , 15-17 January, Ostfildern, Germany, 2008	<i>Scopus</i>	1
<b>Total indicator N3.1 =</b>			<b>9</b>

## A2.2 Articole si publicatii stiintifice BDI neincluse la A2.1 – co-autor

Nr. crt.	Denumire articol	Baza de date	Realizat N3.2 =numar
1	Iamandei, A., Vasilescu, S.N., Popa, I., Stanciu, L.S., <b>Ripeanu, R.G.</b> , <i>Simulating the overload test for a 480 kN maximum hook load workover rig mast</i> , Scientific Bulletin of University „Politehnica” of Bucharest Series D, 84 (4), 2022, pp.165-180, ISSN 1454-2358(print), ISSN 2286-3699(online), <a href="https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rezd3a_499577.pdf">https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rezd3a_499577.pdf</a> , Bucharest, Romania, 2022	<i>Scopus</i>	1
2	Iamandei, A., Vasilescu, N.S., Popa, I., Stanciu, L.S., <b>Ripeanu, R.G.</b> , <i>Analysis of the behaviour of a 480KN maximum hook load workover rig mast in the case of wind stress</i> , Scientific Bulletin of University „Politehnica” of Bucharest Series D, 83 (4), 2021, pp.183-194, ISSN 1454-2358(print), ISSN 2286-3699(online), <a href="https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rez260_845178.pdf">https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rez260_845178.pdf</a> Bucharest, Romania, 2021	<i>Scopus</i>	1
3	Caltaru M M, Badicioiu M, Dinita A, <b>Ripeanu R G</b> , Zisopol D G, Minescu M, <i>Influence of Chemical Corrosive Environment with H2S on Drill Strings. Experimental Researches</i> , Rev. Chim., 71 (4), 2020, 29-37, ISSN Print 0034-7752, ISSN Online 2668-8212 <a href="https://doi.org/10.37358/RC.20.4.8040">https://doi.org/10.37358/RC.20.4.8040</a> <a href="https://revistadechimie.ro/Articles.asp?ID=8040">https://revistadechimie.ro/Articles.asp?ID=8040</a> , Publication date: 05/05/2020	<i>Scopus</i>	1
4	Dudu C, <b>Ripeanu R.G.</b> , Drumeanu A.C., Dinita A., Lospa A.M., <i>Evaluation of the corrosion wear speed of different equipment in the water injection treatment plant</i> , The 10 <sup>th</sup> International Conference of Product Design, Robotics, Advanced Mechanical & Mechatronic Systems and Innovation Conference (PRASIC 18), 8-9 November 2018, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 514, 2019, pp.1-8, ISSN 1757-899X, <a href="https://doi.org/10.1088/1757-899X/514/1/012008">https://doi.org/10.1088/1757-899X/514/1/012008</a> , Bristol BS1 6BE, England, 2019 <a href="https://www.scopus.com/authid/detail.uri?authorId=24067665900">https://www.scopus.com/authid/detail.uri?authorId=24067665900</a>	<i>Scopus</i>	1
5	Lospa A.M., <b>Ripeanu R.G.</b> , Dinita A., and Dudu C., <i>CFD Evaluation of sand erosion wear rate in pipe bends used in technological installations</i> , The 10 <sup>th</sup> International Conference of Product Design, Robotics, Advanced Mechanical & Mechatronic Systems and Innovation Conference (PRASIC 18), 8-9 November 2018, Book Series: IOP Conference Series-Materials Science and Engineering, Vol. 514, 2019, pp.1-8, ISSN 1757-899X, <a href="https://doi.org/10.1088/1757-899X/514/1/012009">https://doi.org/10.1088/1757-899X/514/1/012009</a> , Bristol BS1 6BE, England, 2019 <a href="https://www.scopus.com/authid/detail.uri?authorId=24067665900">https://www.scopus.com/authid/detail.uri?authorId=24067665900</a>	<i>Scopus</i>	1
6	Drumeanu, A.C., <b>Ripeanu, R.G.</b> , <i>Tribological Characteristics of Lubricant Solutions based on Polyacrylamide</i> , Proceedings of 17 <sup>th</sup> International Colloquium Tribology 2010, Solving Friction and Wear Problems, Vol.1,	<i>Scopus</i>	1

2010, Technische Akademie Esslingen, pp.831-836, <a href="http://www.tae.de/tribology/">www.tae.de/tribology/</a> , <a href="http://www.scopus.com">www.scopus.com</a> , ISBN 978-3-924813-80-2, 19-21 January, Ostfildern, Germany, 2010		
<b>Total indicator N3.2 =</b>		<b>6</b>

**Total punctaj indicator N3**  
**N3=N3.1+N3.2=9+6=15**

**A2.3 Brevete de inventie indexate Web of Science-Derwent innovation**

Nr. crt.	Denumire articol	Derwent Primary Accession Number	Realizat P2.1 = $3 \cdot (0,2+FI)/n$ , $n \geq 4, FI=2$
1	Tudor, I., Grigore, V., Zecheru, Gh., Drăghici, Gh., Dinu, F., <b>Rîpeanu, R.G.</b> , Mocănescu, F., <i>Dispozitiv pentru protecția catodică a pompelor de extracție a petrolului, <a href="#">Oil well pump cathodic protection system includes multiple sleeves forming anodes and providing centering for control rod above the pump</a></i> Brevet de invenție nr. RO118671-B/2003, Oficiul de stat pentru invenții și mărci, București, 2003	2003-799087	0.9428
2	Tudor, I., <b>Rîpeanu, R.G.</b> , Dinu, F., Grigore, V., Anicăi, L., Anghelache, M., Furtună, E., Tudor, M.C., <i>Dispozitiv pentru protecția catodică a pompelor centrifuge <a href="#">Device for centrifugal pump cathodic protection, has cathodic protection by modifying electrochemical potential of materials, and central parts mounted with end welded on cover closing flange</a></i> , Brevet de invenție nr. RO122867 -B/2010, E21B-041/02, Oficiul de stat pentru invenții și mărci, București, 2010	2010-K24192	0.825
3	Orban, I.T., Luca, M.C., Matei, G.M, <b>Ripeanu, R.G.</b> , Lucaciu, I.E., <i>Compoziție de ulei emulsionabil ecologic <a href="#">Ecological emulsifiable oil composition, comprises glycerine esters, vegetable oils with glycerine, monoglycerides, diglycerides and triglycerides</a></i> , Brevet de invenție nr. RO126567-B1/2012, C10M 105/32, Oficiul de stat pentru invenții și mărci, București, 2012	2011-Q13240	1.32
<b>Total indicator P2.1=</b>		<b>3.0878</b>	

**TOTAL punctaj brevete de invenții indexate P2.1+P2.2=3.0878**  
**Total punctaj P1+P2=39.772163+3.0878=42.859963**

**A2.4 Produse, tehnologii, platforme si servicii inovative (validate conform procedurilor specifice unitatilor de invatamant superior sau de cercetare) coordinator/prim autor, co-autor**

<i>Nr. crt.</i>	<i>Produse, tehnologii, platforme si servicii inovative</i>	<i>Indicator N4.1(numar) sau N4.2(numar)</i>
1	<i>Produse ecologice pentru prelucrarea metalelor, obținute din materii prime regenerabile SINBIOMED</i>	1
2	<i>Produse de protecție anticorosivă multifuncționale</i>	1
3	<i>Noi materiale pentru acoperiri ultradure a reperelor supuse la uzură intensă-ANTIWEAR</i>	1
4	<i>Tehnologie, asistata de calculator, pentru obținerea unor uleiuri pentru prelucrarea metalelor, compatibile cu mediul, utilizate in industria constructoare de masini-CUTOIL</i>	1
5	<i>Lubrifianți speciali pentru ungerea motoarelor Diesel ale locomotivelor modernizate prevăzute cu lagăre de argint, la nivelul cerințelor internaționale</i>	1
6	<i>Aditivi fără cenușă de tip esteri și pachete de aditivi cu proprietăți antioxidante, anticorosive, antiuzură, extremă presiune și formulări de uleiuri și unsori lubrifiante cu acești aditivi</i>	1
7	<i>Introducerea protecției catodice la pompele destinate vehiculării petrolului brut și a apelor de zăcământ</i>	1
8	<i>Obținerea materialelor antifricțiune prin metalurgia pulberilor și tratamente termochimice</i>	1
9	<i>Obținerea lacurilor lubrifiante, cu aplicații la protecția robinetelor</i>	1
10	<i>Creșterea durabilității lagărelor sapelor cu trei conuri,</i>	1
11	<i>Creșterea durabilității sculelor așchietoare utilizate în procesele de reparare a utilajului petrolier prin stabilirea parametrilor optimi de aschiere</i>	1
12	<i>Determinarea parametrilor garniturilor spirometalice la încercarea de compresiune și revenire elastică cu determinarea stabilității fabricației</i>	1
13	<i>Evaluarea caracteristicilor constructive si functionale ale sistemelor de inchidere si reglare (robinet actuator) utilizate in SNTGN din perspective fiabilitatii, mentenantei proactive si sigurantei in exploatare</i>	1
14	<i>Elaborare si validare metodologie pentru expertizarea tehnica a rețelelor de distribuție gaze naturale</i>	1
15	<i>Elaborare norme tehnice privind mentenanța S.N.T.-Etapa III Norme tehnice privitoare la mentenanța componentelor sistemului de protecție catodică a conductelor-S.P.C</i>	1
16	<i>Evaluarea proceselor care conduc la cedarea în exploatare a conductelor</i>	1
17	<i>Creșterea durabilității matrițelor destinate deformării la cald</i>	1
18	<i>Testarea unui model de implant acoperit cu straturi biocompatibile</i>	1
19	<i>Influența fenomenului de electroosmoză asupra procesului de protecție catodică a conductelor magistrale</i>	1
20	<i>Stabilirea durabilitatii elementelor principale ale pompelor de extracție în condiții de uzare corosiv-abrazivă în prezența apelor de zăcământ</i>	1
21	<i>Elaborarea unei metodologii și a aparaturii pentru</i>	1

	<i>caracterizarea unsoilor antigripante destinate garniturii de foraj</i>	
22	<i>Noi materiale și tehnologii de execuție ale etanșărilor tip presetupă de la pompele de extracție</i>	1
23	<i>Tehnologia de realizare a armăturilor placate prin tehnica metalurgiei pulberilor utilizând compactarea izostatică la rece</i>	1
24	<i>Normativ pentru verificarea turelor și masturilor de producție cu durată de funcționare îndelungată- Vol. 5- Tehnologii de remediere și reparare a defectelor constatate la expertizarea turelor și masturilor de producție</i>	1
25	<i>Cercetări privind modul general de degradare a elementelor de interconectare a echipamentelor din componența instalației de tratare ape de injecție</i>	1
<b>Total punctaj indicator N4.1+N4.2=</b>		<b>25</b>

**A2.5 Monografii/carti de specialitate, format tiparit/electronic –  
coordonator/prim autor N4.3 sau co-autor N4.4 (numar)**

<i>Nr. crt.</i>	<i>Monografii de specialitate/ carti de specialitate, format tiparit/electronic</i>	<i>Nr. pag.</i>	<i>Indicator</i>
1	<i>Proceedings of the 13<sup>th</sup> International Conference on Tribology (ROTRIB) Location: Galati, ROMANIA Date: SEP 22-24, 2016, Book Series: IOP Conference Series-Materials Science 13th International Conference on Tribology (ROTRIB) Location: Galati, ROMANIA Date: SEP 22-24, 2016, Book Series: IOP Conference Series-Materials Science and Engineering Vol. 174, ISSN 1757-8981, <a href="http://iopscience.iop.org/issue/1757-899X/174/1">http://iopscience.iop.org/issue/1757-899X/174/1</a> Bristol BS1 6BE, England,2017</i>	543	1
2	<b>Rîpeanu, R.G., Tribocoroziunea pompelor de extracție</b> , Editura Universității din Ploiești, (cod CNCIS 87), 191 pg., ISBN 973-719-085-8, Ploiești, 2005 <a href="http://alephnew.bibnat.ro:8991/F/N42DCR53KPA46MIQU8JEEY1ASM3J6SCL9UKTRGJTR9BCRT58LB-53320?func=full-set-set&amp;set_number=007106&amp;set_entry=000030&amp;format=999">http://alephnew.bibnat.ro:8991/F/N42DCR53KPA46MIQU8JEEY1ASM3J6SCL9UKTRGJTR9BCRT58LB-53320?func=full-set-set&amp;set_number=007106&amp;set_entry=000030&amp;format=999</a>	191	1
3	<i>Proceedings of the 8<sup>th</sup> International Conference on Tribology Balkantrib'14, 30 Oct- 1 Nov. 2014, <a href="http://balkantrib.upg-ploiesti.ro/">http://balkantrib.upg-ploiesti.ro/</a>, 892 pg., ISBN 978-973-719-570-8, Ed. Petroleum-Gas University of Ploiesti, Sinaia, Romania, 2014</i>	892	1
<b>Total N4.3+N4.4=</b>		<b>3</b>	

**Total indicator punctaj indicator N4  
N4=N4.1+N4.2+N4.3+N4.4=10+15+3+0=28**

**3.Recunoastere si impactul activitatii-RIA (A3)**

**A3.1 Atragere resurse financiare prin granturi/proiecte/contracte tertii  
(1Euro=4.92Ron)**

<i>Nr. crt.</i>	<i>Director sau responsabil partener la grant/proiect castigat prin competitie nationala sau internationala S1, membru la granturi/proiecte contracte S2</i>	<i>Valoare mii Euro</i>	<i>Indicatori</i>
1	<b>Rîpeanu, R.G.(director contract)</b> , Dinita, A., Patirnac, I., Ramadan, I,Contract 1165/10.02.2022, Analize numerice și experimentale privind creșterea durabilității supapelor de siguranță utilizate în industrie, <b>Beneficiar Termoklima SRL Buzău</b> , 2022, valoare încasată fără TVA <b>40000</b>	8.130	S2
2	<b>Rîpeanu, R.G.(director contract)</b> , Petrescu, M.G., Dinita, A., Dumitrescu, A., Laudacescu, E., Ramadan, I, Patirnac, I., Contract 5612/2019, <b>Protectie Catodica, Beneficiar SNTGN TRANSGAZ S.A.</b>	9.756	S1

	<b>Medias, valoare valoare încasată fără TVA 48000RON</b>		
3	Drumeanu, A.C., <b>Ripeanu, R.G.</b> , Dinita, A., Cursaru, D., Rosu G.A., Contract 12588/23.11.2017, <i>Cercetări privind modul general de degradare a elementelor de interconectare a echipamentelor din componența instalației de tratare ape de injecție (Opișenești) și soluții de creștere a durabilității acestora</i> , <b>Beneficiar S.C. TRANSMARIN SRL</b> , 2019 valoare incasata fara TVA <b>45000 (etapa I, II si III)RON /3</b>	3.048	S2
4	Ramadan, I., <b>Ripeanu, R.G.</b> , Dinita, A., Contract 9873/2019, <i>Încercări la coroziune și teste mecanice</i> , <b>Beneficiar ABIWELD SRL Câmpina</b> , 2019, valoare încasată fără TVA <b>6500RON/3</b>	0.440	S2
5	<b>Ripeanu, R.G.( director contract-P2)</b> , Tudor, I., Drumeanu, A.C., Contract 54/2007-2009, PN 2-109/P2 INOVARE, <i>Produce ecologice pentru prelucrarea metalelor, obținute din materii prime regenerabile-sinbiomed</i> , <b>Beneficiar M.E.C.</b> , 2007-2009, valoare încasată fără TVA <b>117000RON</b>	23.780	S1
6	<b>Ripeanu, R.G. (director contract RELANSIN-P2)</b> , Antonescu, N.N., Antonescu, L., Contract 35/2003-RELANSIN <b>1823/2003-2005</b> , <i>Produce de protecție anticorozivă multifuncționale</i> , <b>Beneficiar M.E.C.</b> , 2005, valoare încasată fără TVA <b>52700RON</b>	10.711	S1
7	POSDRU /86/1.2/5/55585 Educatia si formarea profesionala in sprijinul cresterii economice si dezvoltarii societatii bazate pe cunoastere, 2011-2013, valoare încasată fără TVA <b>220818.47 /10</b>	4.488	S2
8	Popescu, A., Tudor, I., <b>Ripeanu, R.G.</b> , Drumeanu, A.C., Neacsu, M., Contract 52/2006-2008 CEE RELANSIN 249/P2, <i>Cercetări privind obținerea de noi materiale pentru acoperiri ultradure a reperelor supuse la uzură intensă-ANTIWEAR</i> , <b>Beneficiar M.E.C.</b> , 2006-2008, valoare încasată fără TVA <b>330000 /3</b>	22.357	S2
9	Paraschiv, A., <b>Ripeanu, R.G.</b> , Drumeanu, A.C., ș.a., Contract 66/2006, Matnantech-710/2006-2008, <i>Tehnologie, asistata de calculator, pentru obținerea unor uleiuri pentru prelucrarea metalelor, compatibile cu mediul, utilizate in industria constructoare de masini-CUTOIL</i> , <b>Beneficiar M.E.C.</b> , 2006-2008, valoare încasată fără TVA <b>400000 /8</b>	10.162	S2
10	Antonescu, L., Antonescu, N.N., <b>Ripeanu, R.G.</b> , Tănăsescu, C., Contract 48/2004-2006 <b>RELANSIN 2055/2004-2006</b> , <i>Lubrifianți speciali pentru ungerea motoarelor Diesel ale locomotivelor modernizate prevăzute cu lagăre de argint, la nivelul cerințelor internaționale</i> , <b>Beneficiar M.E.C.</b> , 2004-2006, valoare încasată fără TVA <b>30000 /3</b>	2.032	S2
11	Antonescu, L., Tudor, I., <b>Ripeanu, R.G.</b> , Contract 29/2003- <b>RELANSIN 1766/2003-2005</b> , <i>Aditivi fără cenușă de tip esteri și pachete de aditivi cu proprietăți antioxidante, anticorozive, antiuzură, extremă presiune și formulări de uleiuri și unori lubrifiante cu acești aditivi</i> , <b>Beneficiar M.E.C.</b> , 2003-2005, valoare încasată fără TVA <b>52970 /3</b>	3.588	S2
12	Dinu, F., Tudor, I., <b>Ripeanu, R.G.</b> , Grigore, V., Popescu, A., Diniță, A., Contract 16/2006, M.E.C. 6/2006-2007, <i>Studiu asupra introducerii protecției catodice la pompele destinate vehiculării petrolului brut și a apelor de zăcământ</i> , <b>Beneficiar M. Economiei și Comerțului</b> .-Plan sectorial, Politica energetică Petrol și Gaze, 2006-2007, valoare încasată fără TVA <b>75000 /4,5</b>	3.387	S2
13	<b>PHARE RO 0007.02.01.01.0329, Program Coeziune economică și socială, Ridicarea nivelului de pregătire a</b>	0	S2



	<i>personalului din întreprinderile petroliere în contextul restructurării industriale, Beneficiar Universitatea Valahia din Târgoviște- conducătorul de proiect, 2004,</i>		
14	Preda, I., Tudor, I., <b>Rîpeanu, R.G.</b> , Contract 4A/94, Centrul de Implementare a Afacerilor Prahova (CIAP)-Ministerul Industriilor, Obținerea materialelor antifricțiune prin metalurgia pulberilor și tratamente termochimice, 1994, Faza: Selectarea materialelor antifricțiune și a tehnologiilor de fabricație posibil de realizat cu resurse și utilaje din țară, <b>Beneficiar Ministerul Industriilor, 1994</b> , valoare încasată fără TVA nu s-au regasit devize	0	S2
15	Tudor, I., <b>Rîpeanu, R.G.</b> , Contract 6A/94, CIAP - <b>Ministerul Industriilor</b> , Obținerea materialelor antifricțiune prin metalurgia pulberilor și tratamente termochimice, <b>Beneficiar Ministerul Industriilor</b> , 1994, valoare încasată fără TVA nu s-au regasit devize	0	S2
16	Ruxandra, G., <b>Rîpeanu, R.G.</b> , s.a., Contract 3018/C6/94, <i>Impactul regional și global asupra radioactivității nucleare datorat arderii combustibililor fosili</i> , Faza: Proiect de amenajare și dotare a laboratoarelor de fizica nucleară din instituțiile de învățământ superior, <b>Beneficiar M.E.C.</b> , 1994, valoare încasată fără TVA nu s-au regasit devize	0	S2
17	Tudor, I., <b>Rîpeanu, R.G.</b> , Contract 006/94 <b>CIAP-Ministerul Industriilor</b> , <i>Cercetări privind caracteristicile lacurilor lubrifiante, cu aplicații la protecția robinetelor</i> , <b>Beneficiar Ministerul Industriilor</b> , 1994, valoare încasată fără TVA nu s-au regasit devize	0	S2
18	<b>Rîpeanu, R.G.(director contract)</b> , Ispas, D., Ispas, V., Contract 16/2015, <i>Cercetari teoretice și experimentale privind garniturile spirometalice cu densitate controlată</i> , <b>Beneficiar S.C SEAL-TECH INDUSTRY EXPERT S.R.L. Ploiesti</b> , valoare încasată fără TVA <b>4000RON</b>	0.813	S2
19	<b>Rîpeanu, R.G.(director contract)</b> , Antonescu, N.N., Petrescu, M.G., CTTIAP-Contract 171/2012, <i>Cercetări privind cauzele probabile ale degradărilor produse la MPS parc 13 Independența și propuneri de măsuri pentru creșterea durabilității echipamentelor analizate</i> , <b>Beneficiar S.C. CONFIND S.R.L. Câmpina</b> , 2012, valoare încasată fără TVA <b>7500RON</b>	1.524	S2
20	<b>Rîpeanu, R.G. (director contract)</b> , Tudor, I., Roșu, B., CZFPA -Contract 1/2012, <i>Protecție catodica</i> , <b>Beneficiar S.C. CONPET S.A. Ploiești</b> , 2012, valoare încasată fără TVA <b>41000RON</b>	8.333	S1
21	<b>Rîpeanu, R.G.(director contract)</b> , Tudor, I., Contract 24/2011, <i>Consultanță privind defectarea unor echipamente ce compun linia de fabricație a șamponului Comanda F7P-4501763361-DNJ</i> , <b>Beneficiar S.C. Detergenti S.A.-Procter&amp;Gamble</b> , 2011, valoare încasată fără TVA <b>4000</b>	0.813	S2
22	<b>Rîpeanu, R.G.(director contract)</b> , Tudor, I., Contract 8/2011, <i>Consultanță privind coroziunea tancului SLE3S conform Comanda F7P-4501663969-DNJ</i> , <b>Beneficiar S.C. Detergenti S.A.-Procter&amp;Gamble</b> , 2011, valoare încasată fără TVA <b>4000</b>	0.813	S2
23	<b>Rîpeanu, R.G.(director contract)</b> , Tudor, I., Contract 22/2010, <i>Studii privind comportarea la coroziune a echipamentelor realizate din oțel 316L ce compun linia de fabricație a șamponului conform Comanda F7P-4501435372-DNJ</i> , <b>Beneficiar S.C. Detergenti S.A.-</b>	3.455	S1

	<b>Procter&amp;Gamble, 2010, valoare încasată fără TVA 17000</b>		
24	<b>Rîpeanu, R.G.(director contract),</b> Tudor, I., Contract 29/2009, <i>Execuția de determinări a caracteristicilor fizice asupra materialelor FERMIT A1F-07T și ferodou cu azbest utilizate la tamburii de frână, Beneficiar S.C. UPETROM 1 Mai S.A., 2009, valoare încasată fără TVA 10000</i>	2.032	S1
25	<b>Rîpeanu, R.G.(director contract),</b> Dinu, F., Petcu, D., Contract internațional 62/2009, <i>Study above corrosion diminishing by cathodic protection at drilling and production wells, Beneficiar Brenntag Canada Inc-Calgary Technical Centre, Canada, 2009, valoare încasată fără TVA 1000 EURO</i>	1.000	S2
26	<b>Rîpeanu, R.G.(director contract),</b> s.a., Contract 45/2007, <i>Cercetări privind creșterea durabilității lagărelor sapelor cu trei conuri, Beneficiar S.C. UPETROM 1 Mai S.A. Ploiești, 2008, valoare încasată fără TVA 40000</i>	8.130	S1
27	<b>Rîpeanu, R.G.(director contract),</b> Contract 36/2008, <i>Determinări tribologice pe tribometrul CSM în conformitate cu obiectivele contractului CNC SIS, tip TD nr. 315/2007, Beneficiar Universitatea Transilvania din Brașov, 2008, valoare încasată fără TVA 4500</i>	0.914	S1
28	<b>Rîpeanu, R.G.(director contract),</b> Contract 27/2008 – <i>Execuția de încercări tribologice- 4 probe aliaj cu baza cobalt, Beneficiar S.C. METAV S.A. Buc., 2008, valoare încasată fără TVA 4202</i>	0.854	S2
29	<b>Rîpeanu, R.G.(director contract),</b> Contract 70/2007, <i>Teste de fricțiune Amsler, pentru 10 probe rolă-sabot, metalizate, Beneficiar S.C. METAV S.A. Buc., 2007, valoare încasată fără TVA 3361</i>	0.683	S2
30	<b>Rîpeanu, R.G.(director contract),</b> Tudor, I., Contract 51/2006, <i>Teste de fricțiune Amsler, pentru 10 probe rolă-sabot, metalizate, Beneficiar S.C. METAV S.A. Buc., 2006, valoare încasată fără TVA 3361</i>	0.683	S2
31	<b>Rîpeanu, R.G.(director contract),</b> Tudor, I., Contract 5/2005, <i>Cercetări privind creșterea durabilității sculelor așchietoare utilizate în procesele de reparare a utilajului petrolier, Beneficiar PETROMSERVICE Buc., 2005, valoare încasată fără TVA 10000</i>	2.032	S1
32	<b>Rîpeanu, R.G. (director contract),</b> Tudor, I., Popescu, A., Contract 19/2002- Subcontract <b>RELANSIN 712/2000</b> , <i>Cercetarea metalografică și testarea comportării la uzare a sculelor așchietoare din carburi metalice acoperite cu straturi dure de înaltă calitate, Beneficiar I.N.O.E. 2000 Măgurele, 2002, valoare încasată fără TVA 1200</i>	0.243	S1
33	<b>Rîpeanu, R.G. (director contract),</b> Tudor, I., Popescu, A., Contract 65/2001, <i>Cercetarea metalografică și testarea burghiilor acoperite cu straturi subțiri ultradure, Beneficiar I.N.O.E. 2000 Măgurele, 2001, valoare încasată fără TVA 1000</i>	0.203	S2
34	<b>Rîpeanu, R.G. (director contract),</b> Tudor, I., Contract 14/97, <i>Încercări mecanice și examinări metalografice la proba prelevată din prăjina de foraj H5131FGRM, Beneficiar S.C. Foraj Sonde Berca, 1997, valoare încasată fără TVA nu s-au regasit devize</i>	0	S2
35	Ispas,V., Ispas,D., <b>Ripeanu,R.G.,</b> s.a., Contract 10/27.03.2015, <i>Determinarea parametrilor garniturilor spirometalice la încercarea de compresiune și revenire elastică cu determinarea stabilității fabricației, Etansari GRAFEX Ploiesti, 2015 valoare încasată fără TVA 12500 /5</i>	0.508	S2
36	Caltaru, M., <b>Rîpeanu, R.G.,</b> Badicioiu, M, Contract 37/2014, <i>Cercetarea experimentală la uzare a cuplei de material rolă</i>	0.304	S2

	<i>cromată-elastomer</i> , <b>Beneficiar S.C. CONFIND SRL Campina</b> , 2014 valoare încasată fără TVA <b>3000 /2</b>		
37	Ulmanu, V., <b>Rîpeanu, R.G.</b> , Caltaru, M., Badicioiu, M, Contract 6/2014. <i>Cercetări experimentale privind comportarea materialelor utilizate la fabricarea pompelor cu cavitate progresivă</i> , <b>Beneficiar S.C. CONFIND SRL Campina</b> , 2014 valoare încasată fără TVA <b>66500 /4</b>	3.379	S2
38	Ulmanu, V., Zecheru, Gh., Minescu, M., Paraschiv, N., Pupazescu, A., Petrescu, M.G., <b>Rîpeanu, R.G.</b> , s.a. Contract 9/2012, <i>Evaluarea caracteristicilor constructive si functionale ale sistemelor de inchidere si reglare (robinet actuator) utilizate in SNTGN din perspective fiabilitatii, mentenantei proactive si sigurantei in exploatare</i> , <b>Beneficiar S.N.T.G.N. Transgaz Medias</b> , 2013, valoare încasată fără TVA <b>250000 /10</b>	5.081	S2
39	Petrescu, M.G., Ispas, V., Ispas, D., <b>Rîpeanu, R.G.</b> , Pupăzescu, A., s.a., Contract 10/2013, <i>Tehnica etanșărilor</i> , <b>Beneficiar OMV-Petrom</b> , 2013, valoare încasată fără TVA <b>27000 /8</b>	0.685	S2
40	Tudor, I., Zecheru, Gh., Trifan, C., <b>Rîpeanu, R.G.</b> , Drăghici, Gh., Diniță, Al., Neacsu, S., CTTIAP-Contract 153-2010, <i>Elaborare si validare metodologie pentru expertizarea tehnica a rețelelor de distribuție gaze naturale</i> , <b>Beneficiar S.C. E.ON Gaz Distribuție S.A. Tg. Mureș</b> , 2012, valoare încasată fără TVA <b>340000 /6</b>	11.517	S2
41	Tudor, I., Zecheru, Gh., Trifan, C., <b>Rîpeanu, R.G.</b> , Drăghici, Gh., Diniță, Al., Contract 52-2009, <i>Expertiza tehnică a rețelei de gaze naturale din oțel în lungime de cca. 20 km situată în municipiul Turnu Măgurele</i> , <b>Beneficiar S.C. Industrial Gaz Proiect S.R.L. București</b> , 2009, valoare încasată fără TVA <b>58823 /6</b>	1.992	S2
42	Tudor, I., <b>Rîpeanu, R.G.</b> , Contract 37/2009, <i>Execuția de analize granulometrice și de compoziție chimică pentru o mostră de pulbere</i> , <b>Beneficiar S.C. COMPACT epc România</b> , 2009, valoare încasată fără TVA <b>5000 /2</b>	0.508	S2
43	Dinu, F., <b>Rîpeanu, R.G.</b> , Buzoianu, D., Contract Internațional 42/2009, <i>Study above implementation the manufacturing technology of fast hose assembly in petroleum and gas industry from Romania with the research of optimum technical solution applied</i> , <b>Beneficiar TONE Schlauchtechnik GmbH Stuttgart Germany</b> , 2009, valoare încasată fără TVA <b>1500 EURO /5</b>	0.300	S2
44	Tudor, I., <b>Rîpeanu, R.G.</b> , ș.a., Contract 10/2009, <i>Elaborare norme tehnice privind mentenanța S.N.T.-Etapa III Norme tehnice privitoare la mentenanța componentelor sistemului de protecție catodică a conductelor-S.P.C.</i> , <b>Beneficiar S.N.T.G.N. Transgaz Medias</b> , 2009, valoare încasată fără TVA <b>100000 /3</b>	6.775	S2
45	Petrescu, M., <b>Rîpeanu, R.G.</b> , ș.a., Contract 60/2008, <i>Perfecționare postuniversitară</i> , <b>Beneficiar S.N.T.G.N. Transgaz Medias</b> , 2008, valoare încasată fără TVA <b>21000 /4</b>	1.067	S2
46	Tudor, I., <b>Rîpeanu, R.G.</b> , Contract 6/2008, <i>Încercare la uzură straturi nitrurate și nitrocarburate</i> , <b>Beneficiar INTEC S.A.</b> , 2008, valoare încasată fără TVA <b>8000 /2</b>	0.813	S2
47	Zecheru, Gh, Tudor, I., Draghici, Gh., Dumitru, Gh., Pupezescu, Alex., <b>Rîpeanu, R.G.</b> , Dinita, A., Contract 38/2007, <i>Expertize și simulări privind evaluarea proceselor care conduc la cedarea în exploatare a conductelor</i> , <b>Beneficiar S.N.T.G.N. Transgaz Medias</b> , 2008, valoare încasată fără TVA <b>37000 /8</b>	0.940	S2
48	Drumeanu, A.C., <b>Rîpeanu, R.G.</b> Tudor, I., s.a., Contract 44/2007,	1.626	S2

	<i>Cercetări privind creșterea durabilității matrițelor destinate deformării la cald, Beneficiar S.C. UPETROM S.A. Ploiesti, 2007, valoare încasată fără TVA 40000 /5</i>		
49	<i>Ispas, V., Tudor, I., Rîpeanu, R.G., Ispas, D., Contract 2/2006, Cercetări privind comportarea garniturilor moi destinate realizării presetupelor, Beneficiar S.C. Etanșări GRAFEX S.R.L., 2006, valoare încasată fără TVA 5000 /4</i>	0.254	S2
50	<i>Tudor, I., Dinu, F., Rîpeanu, R.G., ș.a., Contract 15/2004, Studii și cercetări privind procesul de coroziune sub tensiune al componentelor echipamentului de adâncime din sondele de extracție, Beneficiar PETROM Buc., 2004, valoare încasată fără TVA 45000 /7</i>	1.306	S2
51	<i>Tudor, I., Popescu, A., Rîpeanu, R.G., Contract 6/2004, Testarea unui model de implant acoperit cu straturi biocompatibile, Beneficiar I.N.O.E. 2000 Măgurele, 2004, valoare încasată fără TVA 3500 /3</i>	0.237	S2
52	<i>Tudor, I., Popescu, A., Rîpeanu, R.G., Tănase, R., Contract 43/2004, Testarea tribologică pe mașinile Timken și Amsler a saboților oscilanți, Beneficiar I.N.O.E. 2000 Măgurele, 2004, valoare încasată fără TVA 1500 /3</i>	0.101	S2
53	<i>Popescu, A., Tudor, I., Rîpeanu, R.G., Boros, Z., Stancu, M., Contract 16/2004, Testarea tribologică pe mașina cu disc orizontal a unor straturi subțiri de nitruri și carburi metalice, Beneficiar I.N.O.E. 2000 Măgurele, 2004, valoare încasată fără TVA 1800 /3</i>	0.121	S2
54	<i>Tudor, I., Rîpeanu, R.G., ș.a., Contract 3/2003, Cercetări privind influența fenomenului de electroosmoză asupra procesului de protecție catodică a conductelor magistrale, Beneficiar CONPET Ploiești, 2004, valoare încasată fără TVA 20000 /5</i>	0.813	S2
55	<i>Tudor, I., Rîpeanu, R.G., Popescu, A., Contract 7/2003, Cercetări metalurgice asupra materialelor ce vor fi utilizate pentru acoperirea de suprafață a rotorilor de turbină, Beneficiar I.N.O.E. 2000 Măgurele, 2003, valoare încasată fără TVA 1000 /3</i>	0.067	S2
56	<i>Tudor, I., Rîpeanu, R.G., Popescu, A., Contract 8/2003, Comportarea la uzare în mediu corosiv a unor repere acoperite cu straturi antifricțiune, Beneficiar I.N.O.E. 2000 Măgurele, 2003, valoare încasată fără TVA 1500 /3</i>	0.101	S2
57	<i>Ispas, V., Tudor, I., Rîpeanu, R.G., Ispas, D., Contract 10/2003, Cercetări privind unele caracteristici ale materialelor non azbest destinate aplicațiilor în industria constructoare de mașini, Beneficiar UPETROM Ploiești, 2003, valoare încasată fără TVA 5000 /4</i>	0.254	S2
58	<i>Ispas, V., Tudor, I., Rîpeanu, R.G., Ispas, D., Contract 17/2003, Cercetări teoretice și experimentale privind îmbunătățirea etanșării lagărelor sapelor cu trei conuri, Beneficiar UPETROM Ploiești, 2003, valoare încasată fără TVA 15000 /5</i>	0.609	S2
59	<i>Popescu, A., Tudor, I., Rîpeanu, R.G., Stancu, M., Contract 30/2003, Testarea tribologică a unor straturi dure cu ajutorul dispozitivului rolă-sabot și pe mașina cu disc orizontal, Beneficiar I.N.O.E. 2000 Măgurele, 2003, valoare încasată fără TVA 1000 /3</i>	0.067	S2
60	<i>Tudor, I., Grigore, V., Rîpeanu, R.G., ș.a., Contract 15/2003, Cercetarea procesului de coroziune sub tensiune a componentelor echipamentului de adâncime din sondele de extracție, Beneficiar PETROM Buc., 2003, valoare încasată fără TVA 30000 /8</i>	0.762	S2
61	<i>Tudor, I., Rîpeanu, R.G., Popescu, A., Contract 18/2002- Subcontract RELANSIN 712/2000, Cercetarea metalografică și testarea rezistenței mecanice la îmbinările brazate, Beneficiar I.N.O.E. 2000</i>	0.101	S2

	<b>Măgurele, 2002, valoare încasată fără TVA 1500 /3</b>		
62	Popescu, A., Tudor, I., <b>Rîpeanu, R.G.</b> , Contract 20/2002- Subcontract <b>RELANSIN 712/2000, Cercetarea metalografică și a comportării la uzare a sculelor aşchiitoare acoperite cu straturi subțiri extradure obținute printr-un nou procedeu ce asigură o rată mare de depunere, Beneficiar I.N.O.E. 2000 Măgurele, 2002, valoare încasată fără TVA 3000 /3</b>	0.203	S2
63	Tudor, I., Grigore, V., <b>Rîpeanu, R.G.</b> , Dinu, F., Manea, F., Contract 51/2001, <b>Cercetări de laborator privind comportarea elementelor principale ale pompelor de extracție în condiții de uzare corosiv-abrazivă în prezența apelor de zăcământ, Beneficiar PETROM Buc 2001, valoare încasată fără TVA 5000 /5</b>	0.203	S2
64	Tudor, I., <b>Rîpeanu, R.G.</b> , Popescu, A., Contract 22/2000, <b>Cercetări de laborator asupra caracteristicilor mecanice și metalografice ale îmbinării prin brazare în vid a carburilor metalice pe suport din oțel, Beneficiar I.N.O.E. 2000 Măgurele, 2001, valoare încasată fără TVA 2000 /3</b>	0.135	S2
65	Tudor, I., <b>Rîpeanu, R.G.</b> , Popescu, A., Contract 23/2000, <b>Cercetări metalografice și tribologice asupra sculelor aşchiitoare din carburi metalice acoperite cu straturi dure, Beneficiar I.N.O.E. 2000 Măgurele, 2001, valoare încasată fără TVA 1000 /3</b>	0.067	S2
66	Tudor, I., <b>Rîpeanu, R.G.</b> , Popescu, A., Contract 24/2000, <b>Cercetări metalografice și tribologice asupra reperelor acoperite cu straturi antifricțiune, Beneficiar I.N.O.E. 2000 Măgurele, 2001, valoare încasată fără TVA 1000 /3</b>	0.067	S2
67	Tudor, I., <b>Rîpeanu, R.G.</b> , ș.a. Contract 20/2000, <b>Cercetări în condiții de laborator a coroziunii pistoanelor și cămășilor pompelor de extracție în apă de zăcământ cu CO<sub>2</sub>, Beneficiar PETROM Buc., 2000, valoare încasată fără TVA 20000 nu mai există devize</b>	0	S2
68	Grigore, V., Tudor, I., <b>Rîpeanu, R.G.</b> , Dinu, F., Contract A.M.-160/2000, <b>Cercetări asupra comportării pompelor de extracție cu piston în condițiile zăcămintelor de petrol cu un conținut ridicat de dioxid de carbon, Beneficiar PETROM Buc., 2000, valoare încasată fără TVA nu mai există devize</b>	0	S2
69	Tudor, I., <b>Rîpeanu, R.G.</b> , Contract 9/97, <b>Studiu privind starea de coroziune a unor probe prelevate din conductele vechi din fontă, montate în rețeaua de apă a municipiului București, Beneficiar Primăria sector 2 Buc., 1997, valoare încasată fără TVA nu mai există devize</b>	0	S2
70	Ulmanu, V., Zecheru, Gh., <b>Rîpeanu, R.G.</b> , ș.a., Contract 5/97, <b>Cercetări privind elaborarea unei metodologii și a aparaturii pentru caracterizarea unsoarelor antigripante destinate garniturii de foraj, Beneficiar PETROMAR Constanța, 1997, valoare încasată fără TVA nu mai există devize</b>	0	S2
71	Tudor, I., Ispas, V., <b>Rîpeanu, R.G.</b> , Contract 30/96, <b>Soluții privind noi materiale și tehnologii de execuție ale etanșărilor tip presetupă de la pompele de extracție, Beneficiar SENCO PLASMA CER Buc., 1996, valoare încasată fără TVA nu mai există devize</b>	0	S2
72	Tudor, I., Ispas, V., <b>Rîpeanu, R.G.</b> , Contract 25/96, <b>Tehnologia întreținerii și reparării turlor și masturilor de extracție, Beneficiar PETROM Buc., 1996, valoare încasată fără TVA nu mai există devize</b>	0	S2
73	Tudor, I., <b>Rîpeanu, R.G.</b> , Contract 19/1994, <b>Lacuri lubrifiante pentru acoperirea reperelor mobile ale robinetelor de înaltă presiune, Beneficiar UPETROM Ploiești, 1994, valoare încasată fără TVA nu</b>	0	S2

	mai există devize		
74	Tudor, I., <b>Rîpeanu, R.G.</b> , Contract 606/93, <i>Recuperarea pulberilor metalice bogate în elemente de aliere deficitare rezultate la operația de rectificare</i> , <b>Beneficiar TIMKEN Ploiești</b> , 1993, valoare încasată fără TVA nu mai există devize	0	S2
75	Ulmanu, V., <b>Rîpeanu, R.G.</b> , s.a., Contract 5/1993, <i>Analiza tehnico-științifică a unor pistoane și cămăși pentru pompele de adâncime</i> , <b>Beneficiar Schela Băicoi</b> , 1993, valoare încasată fără TVA nu mai există devize	0	S2
76	Antonescu, N.N., Ispas, V., <b>Rîpeanu, R.G.</b> , Contract 20/93, <i>Studii și cercetări privind utilajul și tehnologia presării izostatice la cald cu aplicații la tratarea termo-mecanică a semifabricatelor turnate</i> , <b>Beneficiar UPETROM 1 Mai Ploiești</b> , 1994, valoare încasată fără TVA nu mai există devize	0	S2
77	Antonescu, N.N., Ispas, V., <b>Rîpeanu, R.G.</b> , Contract 23/93, <i>Cercetări privind utilajul și tehnologia presării izostatice la rece (CIP), cu aplicații în fabricația armăturilor placate prin metalurgia pulberilor</i> , <b>Beneficiar UPETROM Ploiești</b> , 1993, valoare încasată fără TVA nu mai există devize	0	S2
78	Tudor, I., <b>Rîpeanu, R.G.</b> , Contract 28/93, <i>Cercetări tribologice ale straturilor subțiri de TiN</i> , <b>Beneficiar I.N.O.E. Măgurele</b> , 1993, valoare încasată fără TVA nu mai există devize	0	S2
79	Ispas, V., Antonescu, N.N., Tudor, I., <b>Rîpeanu, R.G.</b> , Contract 44/1992, <i>Tehnologia de realizare a armăturilor placate prin tehnica metalurgiei pulberilor utilizând compactarea izostatică la rece</i> , <b>Beneficiar STEROM Câmpina</b> , 1992, valoare încasată fără TVA nu mai există devize	0	S2
80	Constantinescu, Z., Vlădoiu M., Moise G, Nicoară S., Baci A., Marinou C., Șchiopu D., Netedu L., <b>Rîpeanu R.G.</b> , Ionescu G., Nae I., Contract CDI 7938/27.07.2017 ROSA SPECH-Cercetarea, proiectarea, dezvoltarea și testare pe stand a unui sistem de propulsie hibrid reactiv cu combustibil inovativ neomogen și control electronic adaptiv al parametrilor de ardere, pentru aplicații din domeniul lansatoarelor spațiale, 2017-2019, valoare încasată fără TVA <b>540000/9</b> .	12.195	S2
<b>Total indicator S1+S2=</b>		<b>187.562</b>	

### ***A3.2 Prezentarea/Diseminarea rezultatelor: prezenta la manifestari stiintifice in calitate de autor/co-autor de lucrari, profesor invitat***

Nr. Crt.	Denumire Articol si conferinta la care a fost prezentat	Indicator N5 (numar)
1	Hagianu, A., Nae, I., Ionescu, G.C., Ripeanu, R.G., <i>Research on mechanical and geometrical characteristics of materials used for flexible tubing production</i> , <b>The 14<sup>th</sup> International Conference on Tribology</b> September 19-21, 2019 – Cluj Napoca, <a href="https://minas.utcluj.ro/rotrib_program.html#header16-9">https://minas.utcluj.ro/rotrib_program.html#header16-9</a> ROMANIA	1
2	Bogdan-Roth M., Romanet M., <b>Ripeanu R.G.</b> , <i>Eccentric device for varying the gear ratio</i> , <b>The 14<sup>th</sup> International Conference on Tribology</b> September 19-21, 2019 – Cluj Napoca, <a href="https://minas.utcluj.ro/rotrib_program.html#header16-9">https://minas.utcluj.ro/rotrib_program.html#header16-9</a> , ROMANIA	1
3	Lospa, A., <b>Ripeanu, R.G.</b> , Dinita, A., <i>Erosion modelling: A systematic review of available models and equations</i> , <b>The 14<sup>th</sup> International Conference on Tribology</b> September 19-21, 2019 – Cluj Napoca, <a href="https://minas.utcluj.ro/rotrib_program.html#header16-9">https://minas.utcluj.ro/rotrib_program.html#header16-9</a> , ROMANIA	1

4	Dudu, C., Drumeanu, A.C., <b>Ripeanu, R.G.</b> , Dinita, A., <i>Some considerations regarding the influence of working conditions on the corrosion wear of the injection water treatment plant equipment</i> , <b>The 14<sup>th</sup> International Conference on Tribology</b> September 19-21, 2019 – Cluj Napoca, <a href="https://minas.utcluj.ro/rotrib_program.html#header16-9">https://minas.utcluj.ro/rotrib_program.html#header16-9</a> , ROMANIA	1
5	Patirnac, I., <b>Ripeanu, R.G.</b> , Laudacescu, E., <i>Abrasive flow modelling through active parts water jet machine using CFD simulation</i> , <b>The 14<sup>th</sup> International Conference on Tribology</b> September 19-21, 2019 – Cluj Napoca, <a href="https://minas.utcluj.ro/rotrib_program.html#header16-9">https://minas.utcluj.ro/rotrib_program.html#header16-9</a> , ROMANIA	1
6	Hagianu A., Nae I., Ionescu G.C., <b>Ripeanu R.G.</b> , Dinita A., Ramadan I.N., <i>Research and studies on flexible tubing wearing</i> , Proceedings on Engineering Science <b>16<sup>th</sup> International Conference on Tribology</b> , 15 – 17 May, 2019, <a href="http://www.serbiatrib.mfkg.rs/">http://www.serbiatrib.mfkg.rs/</a> , Vol. 1, No. 1 (2019), ISSN: 2620-2832 pp.321-329, Kragujevac, Serbia	1
7	Bogdan-Roth M., Romanet M., <b>Ripeanu R.G.</b> , <i>Device for machining non-circular gears</i> , Proceedings on Engineering Science <b>16<sup>th</sup> International Conference on Tribology</b> , 15 – 17 May, 2019, <a href="http://www.serbiatrib.mfkg.rs/">http://www.serbiatrib.mfkg.rs/</a> , Vol. 1, No. 1 (2019), ISSN: 2620-2832 pp.449-453, Kragujevac, Serbia	
8	Dudu C, <b>Ripeanu R.G.</b> , Drumeanu A.C., Dinita A., Lospa A.M., <i>Evaluation of the corrosion wear speed of different equipment in the water injection treatment plant</i> , The 10 <sup>th</sup> International Conference of Product Design, Robotics, Advanced Mechanical & Mechatronic Systems and Innovation Conference (PRASIC 18), 8-9 November 2018, <a href="http://old.unitbv.ro/Portals/9/Evenimente/Prasic/final_program.htm">http://old.unitbv.ro/Portals/9/Evenimente/Prasic/final_program.htm</a> , Brasov, Romania, 2018	1
9	Lospa A.M., <b>Ripeanu R.G.</b> , Dinita A., and Dudu C., <i>CFD Evaluation of sand erosion wear rate in pipe bends used in technological installations</i> , The 10 <sup>th</sup> International Conference of Product Design, Robotics, Advanced Mechanical & Mechatronic Systems and Innovation Conference (PRASIC 18), 8-9 November 2018, <a href="http://old.unitbv.ro/Portals/9/Evenimente/Prasic/final_program.htm">http://old.unitbv.ro/Portals/9/Evenimente/Prasic/final_program.htm</a> , Brasov, Romania, 2018	1
10	Caltaru M, Badicioiu M, <b>Ripeanu R G</b> , Dinita A, Minescu M, Laudacescu E, <i>Tribological characterization of the drill pipe tool joints reconditioned by using welding technologies</i> , 9th International Conference on Tribology, BALKANTRIB'17 13-15 September, Cappadocia, TURKEY <a href="https://balkantrib2017.com/">https://balkantrib2017.com/</a>	1
11	<b>Ripeanu R G</b> , Badicioiu M, Caltaru M, Dinita A, Laudacescu E, <i>Tribological characterization of the drill collars and casing friction couples</i> , 9th International Conference on Tribology, BALKANTRIB'17 13-15 September, Cappadocia, TURKEY <a href="https://balkantrib2017.com/">https://balkantrib2017.com/</a>	1
12	<b>Ripeanu R. G.</b> , <i>Design and technology parameters influence on durability for heat exchangers tube to tubesheet joints</i> , Proceedings of ROTRIB'16, <b>13<sup>th</sup> International Conference on Tribology</b> , 22-24 September, 2016, pp.1-9, <a href="http://www.rotrib16.ugal.ro/index.php/rotrib/rotrib2016">http://www.rotrib16.ugal.ro/index.php/rotrib/rotrib2016</a> , Galati, Romania, 2016	1
13	<b>Ripeanu R. G.</b> , Ispas, A., Ispas, D., <i>Experimental analysis of axial and radial stress distribution in soft materials used for petrochemical valve stem sealing package</i> , Proceedings of ROTRIB'16, <b>13<sup>th</sup> International Conference on Tribology</b> , 22-24 September, 2016, pp.1-7, <a href="http://www.rotrib16.ugal.ro/index.php/rotrib/rotrib2016">http://www.rotrib16.ugal.ro/index.php/rotrib/rotrib2016</a> , Galati, Romania, 2016	1
14	Ionescu G. C., Nae I., <b>Ripeanu R. G.</b> , Dinita A. and Stan G., <i>Studies on Tribological Behavior of Aluminum Nitride-Coated Steel</i> , Proceedings of ROTRIB'16, <b>13<sup>th</sup> International Conference on Tribology</b> , 22-24 September, 2016, pp.1-8, <a href="http://www.rotrib16.ugal.ro/index.php/rotrib/rotrib2016">http://www.rotrib16.ugal.ro/index.php/rotrib/rotrib2016</a> , Galati, Romania, 2016	1
15	<b>Ripeanu R. G.</b> , Ispas, V., Ispas, D., <i>Review above applying active anode protection at some dynamic petroleum equipment's in order to reduce wear</i> , Proceedings of	1

	Serbiatrib 15, <b>14<sup>th</sup> International Conference on Tribology</b> , 13-15 May, 2015, <a href="http://www.serbiatrib.mfkg.rs/">http://www.serbiatrib.mfkg.rs/</a> , pp.116-125, ISBN 978-86-7083-857-4, Belgrade, Serbia, 2015	
16	Popa, I., <b>Rîpeanu, R.G.</b> , Popa, R.G., <i>Researches above tensile stress corrosion wear behavior in metallic elements of a free-standing portable mast</i> , Proceedings of the <b>8<sup>th</sup> International Conference on Tribology Balkantrib'14</b> , 30 Oct- 1 Nov. 2014, <a href="http://balkantrib.upg-ploiesti.ro/">http://balkantrib.upg-ploiesti.ro/</a> , pp.451-454, ISBN 978-973-719-570-8, Ed. Petroleum-Gas University of Ploiesti, Sinaia, Romania, 2014	1
17	Drumeanu, A.C., <b>Rîpeanu, R.G.</b> , <i>The Corrosivity of Some Lubricating Solutions Based on Organic Polymers</i> , Proceedings of the <b>8<sup>th</sup> International Conference on Tribology Balkantrib'14</b> , 30 Oct- 1 Nov. 2014, <a href="http://balkantrib.upg-ploiesti.ro/">http://balkantrib.upg-ploiesti.ro/</a> , pp.459-465, ISBN 978-973-719-570-8, Ed. Petroleum-Gas University of Ploiesti, Sinaia, Romania, 2014	1
18	Grigore, N., <b>Rîpeanu, R.G.</b> , Nae, I., <i>About the Carrying Ability of Assembly Using the Closing Bracelet</i> , Proceedings of the <b>8<sup>th</sup> International Conference on Tribology Balkantrib'14</b> , 30 Oct- 1 Nov. 2014, <a href="http://balkantrib.upg-ploiesti.ro/">http://balkantrib.upg-ploiesti.ro/</a> , pp.728-733, ISBN 978-973-719-570-8, Ed. Petroleum-Gas University of Ploiesti, Sinaia, Romania, 2014	1
19	<b>Rîpeanu, R.G.</b> , Minescu, M., Nita, C.A., <i>Wear behavior of antifriction coatings applied at parallel gate valves</i> , Proceedings of the <b>8<sup>th</sup> International Conference on Tribology Balkantrib'14</b> , 30 Oct- 1 Nov. 2014, <a href="http://balkantrib.upg-ploiesti.ro/">http://balkantrib.upg-ploiesti.ro/</a> , pp.489-494, ISBN 978-973-719-570-8, Ed. Petroleum-Gas University of Ploiesti, Sinaia, Romania, 2014	1
20	<b>Rîpeanu, R.G.</b> , Badicioiu, M., Caltaru, M., <i>Research regarding the reconditioning of drill collars by using welding technologies</i> , Proceedings of the <b>8<sup>th</sup> International Conference on Tribology Balkantrib'14</b> , 30 Oct- 1 Nov. 2014, <a href="http://balkantrib.upg-ploiesti.ro/">http://balkantrib.upg-ploiesti.ro/</a> , pp.478-488, ISBN 978-973-719-570-8, Ed. Petroleum-Gas University of Ploiesti, Sinaia, Romania, 2014	1
21	<b>Rîpeanu, R.G.</b> , <i>Studies above erosion behavior of rotor turbine materials</i> , <b>10<sup>th</sup> National Conference on Tribology with International Participation BULTRB'13</b> , 24-26 October 2013 ( <a href="http://www.bultrib.com">http://www.bultrib.com</a> ), Sofia, Bulgaria, 2013	1
22	<b>Rîpeanu, R.G.</b> , Ispas, V., Ispas, D., <i>Studies regarding improving sealing at three cone bits bearings</i> , <b>10<sup>th</sup> National Conference on Tribology with International Participation BULTRB'13</b> , 24-26 October 2013 ( <a href="http://www.bultrib.com">http://www.bultrib.com</a> ), Sofia, Bulgaria, 2013	1
23	<b>Rîpeanu, R.G.</b> , Ulmanu, V., Minescu, M., <i>Tribological characterisation of HVOF hardfacing applied at parallel slide gate valves</i> , Proceedings of the <b>OilDoc Conference 2013, Lubricants, Maintenance, Tribology</b> , <a href="http://www.oildoc.com/conference-2013">www.oildoc.com/conference-2013</a> , USB-flash, 22-24 January, Rosenheim, Bavaria, Germany, 2013	1
24	<b>Rîpeanu, R.G.</b> , Metea, V., Pupazescu, Al., <i>Studies regarding soil induced stresses in buried steel gas pipes</i> , <b>9<sup>th</sup> National Conference on Tribology with International Participation BULTRB'12</b> , 18-20 October 2012 ( <a href="http://www.bultrib.com">http://www.bultrib.com</a> ), Sofia, Bulgaria, 2012	1
25	Drumeanu, A.C., <b>Rîpeanu, R.G.</b> , <i>Some Considerations Concerning Corrosiveness of Lubricating Solutions based on Polyacrylamide</i> , Proceedings of 18 <sup>th</sup> International Colloquium Tribology 2012, <b>Industrial and Automotive Lubrication</b> , Technische Akademie Esslingen, pp.28 <a href="http://www.tae.de/tribology/">www.tae.de/tribology/</a> , <a href="http://www.scopus.com">www.scopus.com</a> , ISBN 3-924813-97-3, Ed. Wilfried J. Bartz si CD, 10-12 January, Ostfildern, Germany, 2012	1
26	<b>Rîpeanu, R.G.</b> , Drumeanu, A.C., <b>Ispas, V.</b> , <i>The Temperature Influence above Tribological Behavior of Brake Bands</i> , Proceedings of 18 <sup>th</sup> International Colloquium Tribology 2012, <b>Industrial and Automotive Lubrication</b> , Technische Akademie Esslingen, pp.163 <a href="http://www.tae.de/tribology/">www.tae.de/tribology/</a> , <a href="http://www.scopus.com">www.scopus.com</a> , ISBN 3-924813-97-3, Ed. Wilfried J. Bartz si CD, 10-12 January, Ostfildern, Germany, 2012	1
27	Cursaru, D.L., Tanasescu, C., <b>Rîpeanu, R.G.</b> , <i>The Tribological Behavior of a Commercial Additive and Single Walled Carbon Nanotubes (SWNT) as Antiwear Additives for SAE 20 Base Oil Tribological Characteristics of Lubricant Solutions based on Polyacrylamide</i> , Proceedings of 18 <sup>th</sup> International Colloquium Tribology 2012, <b>Industrial and Automotive Lubrication</b> , Technische Akademie Esslingen, pp.135 <a href="http://www.tae.de/tribology/">www.tae.de/tribology/</a> , <a href="http://www.scopus.com">www.scopus.com</a> , ISBN 3-924813-97-3, Ed. Wilfried J. Bartz si CD, 10-12 January,	1



	Ostfildern, Germany, 2012	
28	<b>Rîpeanu R. G.</b> , Ispas, V., Ispas, D., <i>Tribological behavior of brake bands</i> , Proceedings of the 7 <sup>th</sup> Balkantrib'11 International Conference on Tribology, pp.255-261, <a href="http://ithaki.meng.auth.gr/confces/ConfProgr.htm">http://ithaki.meng.auth.gr/confces/ConfProgr.htm</a> , ISBN 978-960-98780-6-7, 3-5 October Thessaloniki, Greece, 2011	1
29	<b>Rîpeanu R. G.</b> , Ispas, V., Ispas, D., <i>Austenitic stainless steel type AISI316L corrosive behavior in hair shampoo medium</i> , Proceedings of the 7 <sup>th</sup> Balkantrib'11 International Conference on Tribology, pp.41-47, <a href="http://ithaki.meng.auth.gr/confces/ConfProgr.htm">http://ithaki.meng.auth.gr/confces/ConfProgr.htm</a> , ISBN 978-960-98780-6-7, 3-5 October Thessaloniki, Greece, 2011	1
30	Cursaru D., Tanasescu C., Ciuparu D., <b>Rîpeanu R. G.</b> , <i>The Tribologic Properties of Fatty Acid Methyl Esters and Single Wall Carbon Nanotubes</i> , Proceedings of the 3 <sup>rd</sup> European Conference on Tribology ECOTRIB 2011, and 4 <sup>th</sup> International Conference on Nano-Technology- Viennano'11, pp.851-852, <a href="http://www.oetg.at/ecotrib2011/">http://www.oetg.at/ecotrib2011/</a> , ISBN 978-3-901657-38-2, 7-9 June Vienna, Austria, 2011	1
31	Iancu, M., <b>Rîpeanu, R.G.</b> , Tudor, I., <i>Heat exchangers tube to tube sheet joints corrosion behavior</i> , Proceedings of the 12 <sup>th</sup> International Conference on Tribology, SERBIATRIB'11, pp.51-55, <a href="http://www.serbiatrib.mfkg.rs/proceedings.pdf">http://www.serbiatrib.mfkg.rs/proceedings.pdf</a> , ISBN 978-86-86663-74-0, 11-13 May 2011, Kragujevac, Serbia, 2011	1
32	<b>Rîpeanu, R.G.</b> , Drumeanu, A.C., Orban, T., <i>Cutting proprieties evaluation of metalworking fluids</i> , Proceedings of the <b>OilDoc Conference 2011 Lubricants, Maintenance, Tribology</b> , <a href="http://www.oildoc.com/conference-2011">www.oildoc.com/conference-2011</a> , USB-flash, 1-3 February, Rosenheim, Bavaria, Germany, 2011	1
33	Drumeanu, A.C., <b>Rîpeanu, R.G.</b> , <i>Polyacrylamide-A Challenge in Lubrication</i> , Proceedings of the <b>OilDoc Conference 2011 Lubricants, Maintenance, Tribology</b> , <a href="http://www.oildoc.com/conference-2011">www.oildoc.com/conference-2011</a> , USB-flash, 1-3 February, Rosenheim, Bavaria, Germany, 2011	1
34	Onitiu, O., <b>Rîpeanu, R.G.</b> , Tudor, I., <i>Nitriding Treatments Influence Above Tribologic Behavior of Austenitic Stainless Steels</i> , Proceedings of the ROTRIB 2010 11th International Conference on Tribology, Technical University „Gh. Asachi” of Iasi, pp.RO-0191-6, <a href="http://www.rotrib10.tuiasi.ro">http://www.rotrib10.tuiasi.ro</a> , ISSN 2069-1718, 4-7 November, Iasi, Romania, 2010	1
35	Drumeanu, A.C., Paraschivoiu, S.T., Tudor, I., <b>Rîpeanu, R.G.</b> , <i>Microstructure Transformations that Characterize Thermal Fatigue Wear of the Forging Die Steels</i> , Proceedings of 26 <sup>th</sup> International Scientific Conference 2010, 65 Years Faculty of Machine Technology 100 Years Birth Anniversary of Acad. Anghel Balevski, Technical University of Sofia, pp.480-485, <a href="http://mtf.tu-sofia.bg/Proceedings_MTF65_H.pdf">http://mtf.tu-sofia.bg/Proceedings_MTF65_H.pdf</a> , <a href="http://mtf.tu-sofia.bg/mtf/Program_ENG.pdf">http://mtf.tu-sofia.bg/mtf/Program_ENG.pdf</a> , ISBN: 978-954-438-854-6, 13-16 September, Sozopol, Bulgaria, 2010	1
36	<b>Rîpeanu, R.G.</b> , Tudor, I., Onitiu, O., <i>Improving Tribological Behavior of Austenitic Stainless Steels by Nitriding Treatments</i> , Proceedings of 26 <sup>th</sup> International Scientific Conference 2010, 65 Years Faculty of Machine Technology 100 Years Birth Anniversary of Acad. Anghel Balevski, Technical University of Sofia, pp.492-496, <a href="http://mtf.tu-sofia.bg/Proceedings_MTF65_H.pdf">http://mtf.tu-sofia.bg/Proceedings_MTF65_H.pdf</a> , <a href="http://mtf.tu-sofia.bg/mtf/Program_ENG.pdf">http://mtf.tu-sofia.bg/mtf/Program_ENG.pdf</a> , ISBN: 978-954-438-854-6, 13-16 September, Sozopol, Bulgaria, 2010	1
37	<b>Rîpeanu, R.G.</b> , Drumeanu, A.C., Luca, M., Orban, T., <i>Tribological Behavior of Metalworking Fluids</i> , Proceedings of 17 <sup>th</sup> International Colloquium Tribology 2010, Solving Friction and Wear Problems, Vol.1, 2010, Technische Akademie Esslingen, pp.738-743, <a href="http://www.tae.de/tribology/">www.tae.de/tribology/</a> , <a href="http://www.scopus.com">www.scopus.com</a> , ISBN 978-3-924813-80-2, 19-21 January, Ostfildern, Germany, 2010	1
38	Drumeanu, A.C., <b>Rîpeanu, R.G.</b> , <i>Tribological Characteristics of Lubricant Solutions based on Polyacrylamide</i> , Proceedings of 17 <sup>th</sup> International Colloquium Tribology 2010, Solving Friction and Wear Problems, Vol.1, 2010, Technische Akademie Esslingen, pp.831-836, <a href="http://www.tae.de/tribology/">www.tae.de/tribology/</a> , <a href="http://www.scopus.com">www.scopus.com</a> , ISBN 978-3-924813-80-2, 19-21 January, Ostfildern, Germany, 2010	1

39	Zidaru, I., <b>Rîpeanu, R.G.</b> , Tudor, I., Drumeanu, A.C., <i>Research regarding the improvements of tribological behavior in three cone bits bearings</i> , Proceedings of 11 <sup>th</sup> International Conference on Tribology SERBIATRIB'09, 13-15 May, pp.224-228, <a href="http://www.serbiatribo.org.rs/serbiatrib2009/">http://www.serbiatribo.org.rs/serbiatrib2009/</a> , ISBN 978-86-7083-659-4, Belgrade, Serbia, 2009	1
40	Drumeanu, A.C., Paraschivoiu, S.T., Tudor, I., <b>Rîpeanu, R.G.</b> , <i>Some considerations about non-isothermal fatigue wear of the forging die steel</i> , Proceedings of 11 <sup>th</sup> International Conference on Tribology SERBIATRIB'09, 13-15 May, pp.255-260, <a href="http://www.serbiatribo.org.rs/serbiatrib2009/">http://www.serbiatribo.org.rs/serbiatrib2009/</a> , ISBN 978-86-7083-659-4, Belgrade, Serbia, 2009	1
41	Paraschivoiu, S.T., Pupazescu, Al., Drumeanu, A.C., Tudor, I., <b>Rîpeanu, R.G.</b> , <i>The thermal stresses of forging die evaluation using FEM</i> , Proceedings of 11 <sup>th</sup> International Conference on Tribology SERBIATRIB'09, 13-15 May, pp.261-265, <a href="http://www.serbiatribo.org.rs/serbiatrib2009/">http://www.serbiatribo.org.rs/serbiatrib2009/</a> , ISBN 978-86-7083-659-4, Belgrade, Serbia, 2009	1
42	Braic, M., Balaceanu, M., Zoita, C.N., Grigore, E., Kiss, A., <b>Rîpeanu, R.G.</b> , Braic, L., Besleaga, C., Vladescu, A., <i>Influence of process parameters on the characteristics of magnetron sputtered (TiAlCrNbY)C films</i> , Proceedings of E-MRS 2009 Spring Meeting, Symposium P. 8-12 June, <a href="http://www.emrs-strasbourg.com">www.emrs-strasbourg.com</a> , Strasbourg, France, 2009	1
43	<b>Rîpeanu, R.G.</b> , Drumeanu, A.C., Luca, M., <i>Soybean oil influence above drills durability</i> , Proceedings of 3rd International Conference on Manufacturing Engineering and EUREKA Brokerage Event ICMEN 2008, 1-3 October, pp.665-672, <a href="http://ithaki.meng.auth.gr/data/ICMEN2008PDF/08-TRILU03.pdf">http://ithaki.meng.auth.gr/data/ICMEN2008PDF/08-TRILU03.pdf</a> , ISBN 978-960-243-649-3 Kallithea of Chalkidiki, Greece, 2008	1
44	Drumeanu, A.C., <b>Rîpeanu, R.G.</b> , <i>Metallic element design of the tribo-thermal stressed dry friction couples</i> , Proceedings of 3rd International Conference on Manufacturing Engineering and EUREKA Brokerage Event ICMEN 2008, 1-3 October, pp.681-690, <a href="http://ithaki.meng.auth.gr/data/ICMEN2008PDF/08-TRILU05.pdf">http://ithaki.meng.auth.gr/data/ICMEN2008PDF/08-TRILU05.pdf</a> , ISBN 978-960-243-649-3 Kallithea of Chalkidiki, Greece, 2008	1
45	Dragomir, D., Cojocaru, M., Alexa, M., <b>Rîpeanu, R.G.</b> , Drumeanu, A.C., <i>Nitriding technologies using process sensors in view of obtaining of resistant layers against corrosion and wear</i> , Proceedings of 3rd International Conference on Manufacturing Engineering and EUREKA Brokerage Event ICMEN 2008, 1-3 October, pp.399-404, <a href="http://ithaki.meng.auth.gr/data/ICMEN2008PDF/05-SUMAC03.pdf">http://ithaki.meng.auth.gr/data/ICMEN2008PDF/05-SUMAC03.pdf</a> , ISBN 978-960-243-649-3 Kallithea of Chalkidiki, Greece, 2008	1
46	Drumeanu, A.C., Antonescu, N.N., <b>Rîpeanu, R.G.</b> , <i>Some aspects concerning the experimental determination methodology for the non-isothermal cyclic durability of the machine steels</i> , Proceedings of 3rd International Conference on Manufacturing Engineering and EUREKA Brokerage Event ICMEN 2008, 1-3 October, pp.423-434, <a href="http://ithaki.meng.auth.gr/data/ICMEN2008PDF/05-SUMAC06.pdf">http://ithaki.meng.auth.gr/data/ICMEN2008PDF/05-SUMAC06.pdf</a> , ISBN 978-960-243-649-3 Kallithea of Chalkidiki, Greece, 2008	1
47	<b>Rîpeanu, R.G.</b> , Drumeanu, A.C., Luca, M., Ripeanu, L., <i>Establish the influence of sorbian oil above wear behaviour of cutting tools</i> , Proceedings of 6th International Conference on Tribology, Balkantrib 08, 12-14 june, Sozopol, <a href="http://www.tribology-bg.com">www.tribology-bg.com</a> , CD ISBN 978-954-438-713-6, 2008	1
48	<b>Rîpeanu, R.G.</b> , Tudor, I., Dinu, F., <i>Research about the efficiency of active anode protection at centrifugal pumps</i> , Proceedings of 6th International Conference on Tribology, Balkantrib 08, 12-14 june, Sozopol, <a href="http://www.tribology-bg.com">www.tribology-bg.com</a> , CD ISBN 978-954-438-713-6, 2008	1
49	Tudor, I., Popescu, A., <b>Rîpeanu, R.G.</b> , Drumeanu, A.C., Braic, V., Balaceanu, M., Vladescu, A., Braic, M., <i>Tribological behavior of TiSiN/Ti and TiSiN/Cu multilayer coatings</i> , Proceedings of 6th International Conference on Tribology, Balkantrib 08, 12-14 june, Sozopol, <a href="http://www.tribology-bg.com">www.tribology-bg.com</a> , CD ISBN 978-954-438-713-6, 2008	1
50	Florea, O., Luca, M., <b>Rîpeanu, R.G.</b> , <i>Environmentally friendly thread compounds for</i>	1

	<i>casing, tubing and line pipe</i> , Proceedings of 6th International Conference on Tribology, Balkantrib 08, 12-14 june, Sozopol, <a href="http://www.tribology-bg.com">www.tribology-bg.com</a> CD ISBN 978-954-438-713-6, 2008	
51	Drumeanu, A., <b>Rîpeanu, R.G.</b> , Matei, G., Luca, M., <i>Metalworking fluids based on vegetable oil and synthetic esters used for turning operations</i> , Proceedings of 6th International Conference on Tribology, Balkantrib 08, 12-14 june, Sozopol, <a href="http://www.tribology-bg.com">www.tribology-bg.com</a> CD ISBN 978-954-438-713-6, 2008	1
52	Amuza, M.G., Matei, G.M., Cira, L., Luca, M., Drumeanu, A., <b>Rîpeanu, R.G.</b> , Popa, C., <i>Multifunctional Metalworking Fluids used in Bearing Industry</i> , Proceedings of International Conference of Lubrication management and technology, LUBMAT 2008, <a href="http://www.lubmat.org">www.lubmat.org</a> , ISBN 978-84-932064-5-1, 4-6 june , San Sebastian, Spania, 2008	1
53	Matei, G.M., Cira, L., Amuza, M.G., Luca, M., Moraru, E., Drumeanu, A., <b>Rîpeanu, R.G.</b> , Popa, C., <i>Formulation of High Performance Cutting Oils using Environmentally Friendly Raw Materials</i> , Proceedings of International Conference of Lubrication management and technology, LUBMAT 2008, <a href="http://www.lubmat.org">www.lubmat.org</a> , ISBN 978-84-932064-5-1, 4-6 June, San Sebastian, Spania, 2008	1
54	Balaceanu, M., Braic, V., Braic, M., Zoita, N.C., Vladescu, A., Grigorescu, E.C., Mic, C., Ruset, C., Grigore, E., Tudor, I., <b>Rîpeanu, R.G.</b> , Popescu, A., <i>Characteristics of Ti-Nb, Ti-Zr and Ti-Al containing hydrogenated carbon nitride films</i> , The E-MRS 2008 Spring meeting- Carbon-based nanostructured composite films 08- Symposium A, <a href="http://www.emrs-strasbourg.com/index.php?option=com_abstract&amp;task=view&amp;id=44&amp;day=2008-05-27&amp;year=2008&amp;Itemid=92">http://www.emrs-strasbourg.com/index.php?option=com_abstract&amp;task=view&amp;id=44&amp;day=2008-05-27&amp;year=2008&amp;Itemid=92</a> , Strasbourg, 26 may-30 may, France, 2008	1
55	<b>Rîpeanu, R.G.</b> , Drumeanu, A.C., Luca, M., <i>The influence above cutting tools durability of oil base lubricants</i> , Proceedings of 16 <sup>th</sup> International Colloquium Tribology 2008, Lubricants Materials and Lubrication Engineering and CD TAE 2008, ISBN 3924813736; 978-392481373-4, Technische Akademie Esslingen, <a href="http://www.tae.de/tribology/">www.tae.de/tribology/</a> , <a href="http://www.scopus.com">www.scopus.com</a> , 15-17 January, Ostfildern, Germany, 2008	1
56	<b>Rîpeanu, R.G.</b> , Tudor, I., Dinu, F., <i>Diminishing Erosion-Corrosion Wear at Centrifugal Pumps</i> , Proceedings of 16 <sup>th</sup> International Colloquium Tribology and CD TAE 2008, Technische Akademie Esslingen, <a href="http://www.tae.de/tribology/">www.tae.de/tribology/</a> , <a href="http://www.scopus.com">www.scopus.com</a> , 15-17 January, Ostfildern, Germany, 2008	1
57	Matei, G.M., Luca, M., Cira, L., Drumeanu, A., <b>Rîpeanu, R.G.</b> , Popa, C., Iliescu, M.G., <i>Improved extreme-pressure additives in metal working fluids and their influence above cutting tools durability</i> , Proceedings of 10 <sup>th</sup> International Conference Lubrication Engineering in Theory and Practice, pp 26-34, Czech Mechanical Engineering Society, <a href="http://www.tribotechnika.cz/Conference2007">www.tribotechnika.cz/Conference2007</a> , 15-17 October, Prague, Czech Republic, 2007	1
58	<b>Rîpeanu, R.G.</b> , Tudor, I., Dinu, F., Grigore, V., <i>Cathodic protection influence above erosion-corrosion wear</i> , 10 <sup>th</sup> International Conference on Tribology, ROTRIB 07, <a href="http://scientific.thomsonwebplus.com/SearchResults.aspx?query=Ripeanu+R*&amp;searchContext=PERSON+OR+AUTHOR">http://scientific.thomsonwebplus.com/SearchResults.aspx?query=Ripeanu+R*&amp;searchContext=PERSON+OR+AUTHOR</a> , 8-10 noiembrie, Bucuresti, CD ISBN 978-973-78-38-49-0, 2007	1
59	<b>Rîpeanu, R.G.</b> , Drumeanu, A.C., Matei, G., Luca, M., <i>The influence of cooling fluids types above cutting tools durability</i> , Proceedings of 10 <sup>th</sup> International Conference on Tribology and Workshop 07, SERBIATRIB 07, pp. 157-160, ISBN 978-86-86663-13-9, Kragujevac, University of Kragujevac, Mechanical Engineering Faculty and Yugoslav Tribology Society, <a href="http://vbs.nbs.bg.ac.yu/scripts/cobiss?command=DISPLAY&amp;base=COBIB&amp;RID=140757260">http://vbs.nbs.bg.ac.yu/scripts/cobiss?command=DISPLAY&amp;base=COBIB&amp;RID=140757260</a> , 19-21 June, Serbia, 2007	1
60	Bădoiu, D., <b>Rîpeanu, R.G.</b> , <i>Research concerning the achievement of a mechatronic device used for testing the spherical joints</i> , Proceedings of the European Conference on Tribology and Final conference on COST 532 action, ECOTRIB'07, pp.997-1005, ISBN 978-961-90254-8-2, Ljubljana, Slovenian Society for Tribology, <a href="http://www.ctd.uni-lj.si/ecotrib2007.htm">www.ctd.uni-lj.si/ecotrib2007.htm</a> , 12-15 <sup>th</sup> june, Slovenia, <a href="http://0-zetoc.mimas.ac.uk.catalogue.ulrls.lon.ac.uk/">http://0-zetoc.mimas.ac.uk.catalogue.ulrls.lon.ac.uk/</a> <a href="http://scientific.thomsonwebplus.com/SearchResults.aspx?query=Ripeanu+R*&amp;searchC">http://scientific.thomsonwebplus.com/SearchResults.aspx?query=Ripeanu+R*&amp;searchC</a>	1

	<a href="#">ontext=PERSON+OR+AUTHOR</a> , 2007	
61	Kiss, A., Braic, V., Zoita, C.N., Balaceanu, M., Vladescu, A., Popescu, A., Braic, M., <b>Rîpeanu, R.G.</b> , <i>Influence of chemical composition on properties of TiSiN, TiAlSiN and TiZrSiN coatings</i> , The International Conference on Surfaces, Coatings and Nanostructured Materials NANOSMAT 2007, <a href="http://www.nanosmat.org">www.nanosmat.org</a> , 9-11 July, Algarve, Portugal, 2007	1
62	Taca, M., <b>Rîpeanu, R.G.</b> , <i>Antifriction wear-resistant coatings for sliding bearings deposited by plasma spraying</i> , The 16 <sup>th</sup> International Colloquium on Plasma Processes, <a href="http://www.vide.org/cip2007/program.html">www.vide.org/cip2007/program.html</a> , Toulouse, 4-8 June, France, 2007	1
63	Vladescu, A., Kiss, A., Zoita, C.N., Vasilescu, E., Braic, V., Balaceanu, M., Drob, P., Braic, M., Popescu, A., <b>Rîpeanu, R.G.</b> , <i>Corrosion and wear resistance of 316L stainless steel coated with biocompatible thin films</i> , The E-MRS 2007 Spring meeting- Protective coatings and thin films 07- Symposium Q, <a href="http://www.emrs-strasbourg.com/files/pdf/symposium_q.pdf">www.emrs-strasbourg.com/files/pdf/symposium_q.pdf</a> , Strasbourg, 28 May-1 June, France, 2007	1
64	<b>Rîpeanu, R.G.</b> , <i>Establish the reliability of rod-pumps used at deep-drill pumping</i> , Proceedings of the 7 <sup>th</sup> International Symposium INSYCONT'06, „Energy and environmental aspect of tribology”, pp.313-323, ISBN 83-7204-539-9, Cracow, Polish Academy of Science, <a href="http://www.tribologia.org/ptt/d/insycont_2006_Program.htm">www.tribologia.org/ptt/d/insycont_2006_Program.htm</a> , 14-16 <sup>th</sup> September, Poland, 2006	1
65	<b>Rîpeanu, R.G.</b> , Tudor, I., Tache, A., <i>Research regarding the influence of cutting parameters above drills durability</i> , Proceedings of the 7 <sup>th</sup> International Symposium INSYCONT'06, „Energy and environmental aspect of tribology”, pp.305-313, ISBN 83-7204-539-9, Cracow, Polish Academy of Science, <a href="http://www.tribologia.org/ptt/d/insycont_2006_Program.htm">www.tribologia.org/ptt/d/insycont_2006_Program.htm</a> , 14-16 <sup>th</sup> September, Poland, 2006	1
66	<b>Rîpeanu, R.G.</b> , Tudor, I., <i>Research regarding welding joints influence above electrochemical parameters at methane gas pipes</i> , Proceedings of the 5 <sup>th</sup> International Conference „Study and control of corrosion in the perspective of sustainable development of urban distribution grids, URB-CORR 2006”, pp.71-76, ISBN(10) 973-718-481-5, ISBN(13) 978-973-718-481-1, 18-20 May, Tg. Mures, Ed. Printech-Bucuresti, 2006	1
67	Vlădescu, A., Kiss, A., Popescu, A., Braic, M., Bălăceanu, M., Braic, V., Tudor, I., Logofătu, C., Negrilă, C., <b>Rîpeanu, R.</b> , <i>Influence of bilayer period on the characteristics of nanometre scale ZrN/TiAlN multilayers</i> , Workshop on nanostructured materials-NANOMAT 2006, 21-23 June, Antalya, Turcia, <a href="http://0-zetoc.mimas.ac.uk/catalogue.urls.lon.ac.uk/">http://0-zetoc.mimas.ac.uk/catalogue.urls.lon.ac.uk/</a> , 2006	1
68	<b>Rîpeanu, R.G.</b> , Tudor, I., Tache, A., <i>Establish the durability of some hard PVD coated drills</i> , Proceedings of the 5 <sup>th</sup> International Conference „The Coatings” in Manufacturing Engineering and EUREKA Partnering Event, pp.131-137, ISBN 960-243-617-4, <a href="http://155.207.75/lcmn_The.asp">http://155.207.75/lcmn_The.asp</a> , 5-7 October, Kallithea of Chalkidiki, Greece, 2005	1
69	Tudor, I., <b>Rîpeanu, R.G.</b> , Bădoiu, D., <i>Device and simulator for testing pairs of materials used for joints design</i> , Proceedings of the 2 <sup>nd</sup> International Conference on Manufacturing Engineering „ICMEN” and EUREKA Brokerage Event, pp.417-423, ISBN 960-243-615-8, <a href="http://155.207.75/lcmn_The.asp">http://155.207.75/lcmn_The.asp</a> , 5-7 October, Kallithea of Chalkidiki, Greece, 2005	1
70	<b>Rîpeanu, R.G.</b> , Antonescu, L., <i>The influence of welding joints above corrosion behavior at methane gas pipes</i> , Proceedings of the 2 <sup>nd</sup> International Conference on Manufacturing Engineering „ICMEN” and EUREKA Brokerage Event, pp.457-463, ISBN 960-243-615-8, <a href="http://155.207.75/lcmn_The.asp">http://155.207.75/lcmn_The.asp</a> , 5-7 October, Kallithea of Chalkidiki, Greece, 2005	1
71	Flueraru, F., <b>Rîpeanu, R.G.</b> , Luca, M., Popescu, D., <i>Future trends in corrosion protecting coatings used in manufacturing processes</i> , Proceedings of the 2 <sup>nd</sup> International Conference on Manufacturing Engineering „ICMEN” and EUREKA Brokerage Event, pp.615-623, ISBN 960-243-615-8, <a href="http://155.207.75/lcmn_The.asp">http://155.207.75/lcmn_The.asp</a> , 5-7 October, Kallithea of Chalkidiki, Greece, 2005	1
72	Antonescu, N.N., <b>Rîpeanu, R.G.</b> , <i>Research regarding functional parameters influence about corrosion rate at crude oil pipes-plenary session</i> , Proceedings of the 5 <sup>th</sup>	1

	International Conference on Tribology, pp.38-46, University of Kragujevac, Mechanical Engineering Faculty and Yugoslav Tribology Society, ISBN 86-80581-78-X, Kragujevac, Serbia&Muntenegro, <a href="http://www.tribologie.free.fr/fiches/fiches_agenda/balkantrib05.pdf">www.tribologie.free.fr/fiches/fiches_agenda/balkantrib05.pdf</a> , 2005	
73	Tudor, I., Popescu, A.A., <b>Rîpeanu, R.G.</b> , Balaceanu, M., Braic, V., Braic, M., <i>Tribological characteristics of superhard Ti(C,N) coating deposited on milling cutters</i> , Proceedings of 5 <sup>th</sup> International Conference on Tribology, pp.277-281, University of Kragujevac, Mechanical Engineering Faculty and Yugoslav Tribology Society, ISBN 86-80581-78-X, Kragujevac, Serbia&Muntenegro, <a href="http://www.tribologie.free.fr/fiches/fiches_agenda/balkantrib05.pdf">www.tribologie.free.fr/fiches/fiches_agenda/balkantrib05.pdf</a> , 2005	1
74	<b>Rîpeanu, R.G.</b> , <i>Establish the reliability of piston-cylinder couple of downhole pumps</i> , Proceedings of the 5 <sup>th</sup> International Conference on Tribology, pp.435-441, University of Kragujevac, Mechanical Engineering Faculty and Yugoslav Tribology Society, ISBN 86-80581-78-X, Kragujevac, Serbia&Muntenegro, <a href="http://www.tribologie.free.fr/fiches/fiches_agenda/balkantrib05.pdf">www.tribologie.free.fr/fiches/fiches_agenda/balkantrib05.pdf</a> , 2005	1
75	Tudor, I., <b>Rîpeanu, R.G.</b> , <i>Galvanic cathodic protection influence about diminishing wear in corroding medium</i> , Proceedings of the 5 <sup>th</sup> International Conference on Tribology, pp.441-447, University of Kragujevac, Mechanical Engineering Faculty and Yugoslav Tribology Society, ISBN 86-80581-78-X, Kragujevac, Serbia&Muntenegro, <a href="http://www.tribologie.free.fr/fiches/fiches_agenda/balkantrib05.pdf">www.tribologie.free.fr/fiches/fiches_agenda/balkantrib05.pdf</a> , 2005	1
76	Popescu, A., Tudor, I., <b>Rîpeanu, R.G.</b> , ș.a., <i>Wear resistance evaluation of TiN coated cutting tools-1</i> , Proceedings of 2 <sup>nd</sup> International Conference Research and development in mechanical industry RaDMI 2002, A-53, Vol.1, pp.329-333, ISBN 86-83803-04-X, <a href="http://www.radmi.org">www.radmi.org</a> , Vrnjacka Banja, Serbia and Montenegro, 2002	1
77	Tudor, I., <b>Rîpeanu, R.G.</b> , <i>Minimising wear by weld covering with metallic carbide recovered at grinding</i> , Proceedings of the 5 <sup>th</sup> International Conference on tribology YUTRIB'97, Kopaonik, pp.51-53, S.R. Yugoslavia, <a href="http://0-zetoc.mimas.ac.uk.catalogue.urls.lon.ac.uk/">http://0-zetoc.mimas.ac.uk.catalogue.urls.lon.ac.uk/</a> , 1997	1
78	Tudor, I., <b>Rîpeanu, R.G.</b> , <i>New antifriction composite materials, tribological characteristics, applications</i> , Proceedings of the 5 <sup>th</sup> International Conference on tribology YUTRIB'97, Kopaonik, pp.5-7, S.R. Yugoslavia, <a href="http://0-zetoc.mimas.ac.uk.catalogue.urls.lon.ac.uk/">http://0-zetoc.mimas.ac.uk.catalogue.urls.lon.ac.uk/</a> , 1997	1
79	Tudor, I., <b>Rîpeanu, R.G.</b> , <i>Combaterea uzurii prin încărcare cu electrozi tubulari umpluți cu carburi metalice recuperate din pulberile rezultate la rectificarea straturilor dure</i> , Lucrări științifice prezentate la a 7-a conferință internațională de Tribologie ROTRIB'96, Vol.17, pp.59-64, Editura Tehnică, ISBN 973-31-0821-6, București, <a href="http://0-zetoc.mimas.ac.uk.catalogue.urls.lon.ac.uk/">http://0-zetoc.mimas.ac.uk.catalogue.urls.lon.ac.uk/</a> , 1996	1
80	Tudor, I., <b>Rîpeanu, R.G.</b> , <i>Lacuri lubrifiante, caracteristici tribologice, aplicații</i> , Lucrări științifice prezentate la a 7-a conferință internațională de Tribologie ROTRIB'96, Vol.17, pp.232-238, Editura Tehnică, ISBN 973-31-0821-6, București, <a href="http://0-zetoc.mimas.ac.uk.catalogue.urls.lon.ac.uk/">http://0-zetoc.mimas.ac.uk.catalogue.urls.lon.ac.uk/</a> , 1996	1
81	Iamandei, A., <b>Ripeanu, R.</b> , Stanciu, L., Popa, I. and Vasilescu, S. , <i>A finite element analysis of a laboratory drilling equipment</i> , <b>The 2021 World Congress on Advances in Structural Engineering and Mechanics (ASEM21)</b> GECE, Seoul, Korea, August 23-26, 2021, ASEM - Proceedings Print ISBN : 978-89-89693-39-0, Online ISBN : 978-89-89693-413-05530, ISSN : 2713-5659, <a href="http://www.i-asem.org/publication_conf/asem21/1.SM/3.%20W4C/4.%20SM1109_6807.pdf">http://www.i-asem.org/publication_conf/asem21/1.SM/3.%20W4C/4.%20SM1109_6807.pdf</a> Korea,2021	1
82	<b>Ripeanu R.G.</b> , Lospa A.M., Dudu C., Dinita A., Numerical and experimental evaluations of the elbows corrosion used for the interconnection of the pipes, <b>10<sup>th</sup> International Conference on Tribology (Balkantrib 20)</b> , 20 – 22 May 2021, Belgrade (Online Conference), <a href="http://balkantrib.mas.bg.ac.rs/">http://balkantrib.mas.bg.ac.rs/</a> , Belgrade, Serbia, 2021	1
83	Patirnac, I., <b>Ripeanu, R.G.</b> , Ramadan, I., <i>Theoretical and Experimental Studies on the Cut Zone Generated by AWJ Process</i> , <b>10<sup>th</sup> International Conference on Tribology</b>	1

	( <b>Balkantrib 20</b> ), 20 – 22 May 2021, Belgrade (Online Conference), <a href="http://balkantrib.mas.bg.ac.rs/">http://balkantrib.mas.bg.ac.rs/</a> , Belgrade, Serbia, 2021	
84	Ri, J.H., <b>Ripeanu, R.G.</b> , Dinita, A., <i>Erosion Modeling of Coated Gate Valves</i> , <b>10<sup>th</sup> International Conference on Tribology (Balkantrib 20)</b> , 20 – 22 May 2021, Belgrade (Online Conference), <a href="http://balkantrib.mas.bg.ac.rs/">http://balkantrib.mas.bg.ac.rs/</a> , Belgrade, Serbia, 2021	1
85	Iamandei, A., <b>Ripeanu, R.</b> , Stanciu, L., Popa, I. and Vasilescu, S., <i>Experimental Results Regarding the Strains and Stresses Appeared Around Some Lifting Ears from a Cylinder Used in the Petrochemical Industry</i> , <b>The 25<sup>th</sup> edition of IManEE 2021 Innovative Manufacturing Engineering &amp; Energy International Conference</b> , October 21 – 23, 2021 hybrid edition, <a href="https://www.imane.ro/wp-content/uploads/2021/10/Final_Program_of_IManEE2021.pdf">https://www.imane.ro/wp-content/uploads/2021/10/Final_Program_of_IManEE2021.pdf</a> , Iasi, Romania, 2021	1
86	Iamandei, A., <b>Ripeanu, R.</b> , Stanciu, L., Popa, I. and Vasilescu, S., <i>Numerical Analysis of the Stresses Appeared Around Some Lifting Ears from a Cylinder Used in the Petrochemical Industry</i> , <b>The 25<sup>th</sup> edition of IManEE 2021 Innovative Manufacturing Engineering &amp; Energy International Conference</b> , October 21 – 23, 2021 hybrid edition, <a href="https://www.imane.ro/wp-content/uploads/2021/10/Final_Program_of_IManEE2021.pdf">https://www.imane.ro/wp-content/uploads/2021/10/Final_Program_of_IManEE2021.pdf</a> , Iasi, Romania, 2021	1
87	Dinita, A., <b>Ripeanu, R. G.</b> , Neacsu, A., Petrescu, M. G., <i>Considerations on the evaluation of the tribological and mechanical behavior for samples made by additive technology</i> , <b>5<sup>th</sup> Edition of International Conference on Chemical Engineering ICCE 2020, Innovative Materials and Processes for a Sustainable Development</b> , October 28-30, 2020 Iasi, pp.28(ICCE2020-BookOfAbstracts.pdf), <a href="http://www.cercetare.icpm.tuiasi.ro/conferinte/ICCE2020/program.html">http://www.cercetare.icpm.tuiasi.ro/conferinte/ICCE2020/program.html</a> , ROMANIA, 2020	1
<b>Total indicator N5=</b>		<b>87</b>

### A3.3 Citari in publicatii BDI (se exclud autocitarile) - articole ISI+BDI(Scopus)

Nr. Crt.	Lucrarea citată <sup>2</sup>	Lucrarea care citează <sup>2</sup>	Adresa web a lucrării care citează <sup>3</sup> și FI
1.1	Title: <b>Characteristics of arc plasma deposited TiAlZrCN coatings</b> Author(s): <b>Balaceanu, M., Braic, V., Kiss, A., Zoita, C.N., Vladescu, A., Braic, M., Tudor, I., Popescu, A., Ripeanu, R.G., Logofatu, C. and Negrița, C.C.</b> Source: <b>SURFACE &amp; COATINGS TECHNOLOGY</b> Volume: <b>202</b> Issue: <b>16</b> Pages: <b>3981-3987</b> <a href="http://dx.doi.org/10.1016/j.surfcoat.2008-02.005">http://dx.doi.org/10.1016/j.surfcoat.2008-02.005</a> Published: <b>MAY 15 2008</b>	Title: <b>Arc plasma deposition of TiSiN/Ni nanoscale multilayered coatings</b> Author(s): Vladescu, Alina; Braic, Viorel; Braic, Mariana; Bălăceanu, Mihai. Source: MATERIALS CHEMISTRY AND PHYSICS Volume: <b>138</b> Issue: <b>2-3</b> Pages: <b>500-506</b> Published: <b>MAR 15 2013</b> Times Cited: <b>0</b> (from Web of Science)	<a href="http://dx.doi.org/10.1016/j.matchemphys.2012.12.010">http://dx.doi.org/10.1016/j.matchemphys.2012.12.010</a> <b>4.778</b>
1.2	Title: <b>Ag+ release and corrosion behavior of zirconium carbonitride coatings with silver nanoparticles for biomedical devices</b> Author(s): Calderon V., S.; Escobar Galindo, R.; Oliveira, J. C.; Cavaleiro, A.; Carvalho, S. Source: SURFACE & COATINGS TECHNOLOGY Volume: <b>222</b> Pages: <b>104-111</b> Published: <b>MAY 15 2013</b> Times Cited: <b>0</b> (from Web of Science)	Title: <b>Ag+ release and corrosion behavior of zirconium carbonitride coatings with silver nanoparticles for biomedical devices</b> Author(s): Calderon V., S.; Escobar Galindo, R.; Oliveira, J. C.; Cavaleiro, A.; Carvalho, S. Source: SURFACE & COATINGS TECHNOLOGY Volume: <b>222</b> Pages: <b>104-111</b> Published: <b>MAY 15 2013</b> Times Cited: <b>0</b> (from Web of Science)	<a href="http://dx.doi.org/10.1016/j.surfcoat.2013.02.011">http://dx.doi.org/10.1016/j.surfcoat.2013.02.011</a> <b>4.865</b>
1.3	Title: <b>ZrNbCN thin films as protective layers in biomedical applications</b> Author(s): Cotrut CM; Balaceanu M; Titorencu I; Braic V; Braic M. Source: SURFACE & COATINGS TECHNOLOGY Volume: <b>211</b> Pages: <b>57-61</b> Published: <b>OCT 25 2012</b> <b>ISSN: 0257-8972</b>	Title: <b>ZrNbCN thin films as protective layers in biomedical applications</b> Author(s): Cotrut CM; Balaceanu M; Titorencu I; Braic V; Braic M. Source: SURFACE & COATINGS TECHNOLOGY Volume: <b>211</b> Pages: <b>57-61</b> Published: <b>OCT 25 2012</b> <b>ISSN: 0257-8972</b>	<a href="http://dx.doi.org/10.1016/j.surfcoat.2011.08.016">http://dx.doi.org/10.1016/j.surfcoat.2011.08.016</a> <b>4.865</b>
1.4	Title: <b>Evaluation of duplex (Zr,Al)CN coatings with improved tribological performance</b>	Title: <b>Evaluation of duplex (Zr,Al)CN coatings with improved tribological performance</b>	<a href="http://joam.inoe.ro/index.php">http://joam.inoe.ro/index.php</a>

	Author(s): Cotrut C; Vladescu A; Braic V; Braic M; Balaceanu M; Miculescu F. Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 14 Issue: 7-8 Pages: 646-652 , Published: JUL-AUG 2012 ISSN: 1454-4164	0.5
1.5	Title: <b>(Zr,Ti)CN coatings as potential candidates for biomedical applications</b> Author(s): Braic V; Braic M; Balaceanu M, Vladescu A; Zoita CN;Titorencu I; Jinga V. Source: SURFACE & COATINGS TECHNOLOGY Volume: 206 Issue: 4 Special Issue: SI Pages: 604-609 Published: NOV 15 2011 ISSN: 0257-8972	<a href="http://dx.doi.org/10.1016/j.surfcoat.2011.03.074">http://dx.doi.org/10.1016/j.surfcoat.2011.03.074</a> 4.865
1.6	Title: <b>Cavitation erosion characteristics of TiC reinforced metal matrix composite layer fabricated by plasma cladding</b> Author(s): Wu YP (Wu, Y. P.); Zhang JF (Zhang, J. F.); Li GY (Li, G. Y.); Hong S (Hong, S.); He ZH (He, Z. H.) Source: MATERIALS TECHNOLOGY Volume: 26 Issue: 5 Pages: 251-256 Published: NOV 2011 ISSN: 1066-7857	<a href="http://dx.doi.org/10.1179/175355511X13110717549396">http://dx.doi.org/10.1179/175355511X13110717549396</a> 3.297
1.7	Title: <b>(Ti,Cr,Nb)CN coatings deposited on nitrided high-speed steel by cathodic arc method</b> Author(s): Braic M; Braic V; Balaceanu M; Vladescu A ; Zoita CN; Lungu CP; Grigorescu CEA; Grigore E; Logoftu C. Source: SURFACE & COATINGS TECHNOLOGY Volume: 205 Supplement: 2 Pages: S209-S213 Published: JUL 25 2011 ISSN: 0257-8972	<a href="http://dx.doi.org/10.1016/j.surfcoat.2011.03.030">http://dx.doi.org/10.1016/j.surfcoat.2011.03.030</a> 4.865
1.8	Title: <b>Influence of substrate roughness on structure and mechanical property of TiAlN coating fabricated by cathodic arc evaporation</b> Author(s): Huang RX (Huang, Ruo-xuan); Qi ZB (Qi, Zheng-bing); Sun P (Sun, Peng); Wang ZC (Wang, Zhou-cheng); Wu CH (Wu, Chong-hu). Book Editor(s): Xiong, Y Conference: <b>4th International Conference on Surface and Interface Science and Engineering (SISE)</b> Location: Lanzhou, PEOPLES R CHINA Date: 2009 Source: PROCEEDING OF THE FOURTH INTERNATIONAL CONFERENCE ON SURFACE AND INTERFACE SCIENCE AND ENGINEERING Book Series: <b>Physics Procedia</b> Volume: 18 Published: 2011 Times Cited: 0 (from Web of Science) ISSN: 1875-3892	<a href="http://dx.doi.org/10.1016/j.phpro.2011.06.075">http://dx.doi.org/10.1016/j.phpro.2011.06.075</a> 0
1.9	Title: <b>Structure-property relations in ZrCN coatings for tribological applications</b> Author(s): Silva E; de Figueiredo MR; Franz R; Galindo RE; Palacio C; Espinosa A; Calderon S; Mitterer C; Carvalho S Source: SURFACE & COATINGS TECHNOLOGY Volume: 205 Issue: 7 Pages: 2134-2141 Published: DEC 25 2010 Times Cited: 5 (from Web of Science) <b>Title:</b> Structure-property relations in ZrCN coatings for tribological applications <b>Times Cited in Web of Science:</b> 5 ISSN: 0257-8972	<a href="http://dx.doi.org/10.1016/j.surfcoat.2010.08.126">http://dx.doi.org/10.1016/j.surfcoat.2010.08.126</a> 4.865
1.10	Title: <b>Deposition of zirconium carbonitride composite films using ion and electron beams emitted from plasma focus device</b> Author(s) Khan IA ; Jabbar S; Hussain T; Hassan M; Ahmad R; Zakauallah M; Rawat RS Source: NUCLEAR INSTRUMENTS & METHODS IN	<a href="http://dx.doi.org/10.1016/j.nimb.2010.03.030">http://dx.doi.org/10.1016/j.nimb.2010.03.030</a> 1.279

	PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: <b>268</b> Issue: <b>13</b> Pages: <b>2228-2234</b> Published: <b>JUL 1 2010</b> Times Cited: <b>4</b> (from Web of Science) <b>ISSN: 0168-583X</b>	
1.11	Title: <a href="#">Stress and texture in titanium nitride thin films by X-ray diffraction techniques</a> Author(s): Ducu C; Moga S; Negrea D; Malinovschi V; Balaceanu M. Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: <b>12</b> Issue: <b>5</b> Pages: <b>1078-1082</b> , Published: <b>MAY 2010</b> Times Cited: <b>0</b> (from Web of Science) <b>ISSN: 1454-4164</b>	<a href="http://joam.inoe.ro/index.php">http://joam.inoe.ro/index.php</a> <b>0.5</b>
1.12	Title: <a href="#">Characteristics of (TiAlCrNbY)C films deposited by reactive magnetron sputtering</a> Author(s): Braic M; Braic V; Balaceanu M ; Zoita CN; Vladescu A; Grigore E Conference: <b>Symposium on Protective Coatings and Thin Films held at the 2009 E-MRS Spring Meeting</b> Location: <b>Strasbourg, FRANCE</b> Date: <b>JUN 08-12, 2009</b> Sponsor(s): <b>European Mat Res Soc</b> Source: SURFACE & COATINGS TECHNOLOGY Volume: <b>204</b> Issue: <b>12-13</b> Pages: <b>2010-2014</b> Published: <b>MAR 15 2010</b> Times Cited: <b>5</b> (from Web of Science) <b>ISSN: 0257-8972</b>	<a href="http://dx.doi.org/10.1016/j.surfcoat.2009.10.049">http://dx.doi.org/10.1016/j.surfcoat.2009.10.049</a> <b>4.865</b>
1.13	Title: <a href="#">Corrosion resistance, mechanical properties and biocompatibility of Hf-containing ZrCN coatings</a> Author(s): Cotrut, Cosmin-Mihai; Braic, Viorel; Balaceanu, Mihai; et al. Source: <a href="#">THIN SOLID FILMS</a> Volume: 538 Pages: 48-55 Published: JUL 1 2013	<a href="http://dx.doi.org/10.1016/j.tsf.2012.12.100">http://dx.doi.org/10.1016/j.tsf.2012.12.100</a> <b>2.358</b>
1.14	Title: <a href="#">Deposition and characterization of multi-principal-element (CuSiTiYzr)C coatings</a> Author(s): Braic, M.; Balaceanu, M.; Vladescu, A.; et al. Source: <a href="#">APPLIED SURFACE SCIENCE</a> Volume: 284 Pages: 671-678 Published: NOV 1 2013	<a href="http://dx.doi.org/10.1016/j.apsusc.2013.07.152">http://dx.doi.org/10.1016/j.apsusc.2013.07.152</a> <b>7.392</b>
1.15	Title: <a href="#">Investigation of nanostructured TiSiC-Zr and TiSiC-Cr hard coatings for industrial applications</a> Author(s): Vitelaru, C.; Balaceanu, M.; Parau, A.; et al. Source: <a href="#">SURFACE &amp; COATINGS TECHNOLOGY</a> Volume: 251 Pages: 21-28 Published: JUL 25 2014	<a href="http://dx.doi.org/10.1016/j.surfcoat.2014.04.001">http://dx.doi.org/10.1016/j.surfcoat.2014.04.001</a> <b>4.865</b>
1.16	Title: <a href="#">Prediction of optimized composition for enhanced mechanical and electrochemical response of Zr-C-N-Ag coatings for medical devices</a> Author(s): Calderon, S.; Oliveira, J. C.; Evaristo, M.; et al. Source: <a href="#">APPLIED SURFACE SCIENCE</a> Volume: 320 Pages: 570-580 Published: NOV 30 2014	<a href="http://dx.doi.org/10.1016/j.apsusc.2014.08.201">http://dx.doi.org/10.1016/j.apsusc.2014.08.201</a> <b>7.392</b>
1.17	<a href="#">Electrochemical response of ZrCN-Ag-a(C,N) coatings in simulated body fluids</a> By: Calderon, S., V; Cavaleiro, B. A.; Carvalho, S. <a href="#">ELECTROCHIMICA ACTA</a> Volume: 176 Pages: 898-906 Published: SEP 10 2015	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=120&amp;SID=U2di8Yq7N7FqsT7RIbC&amp;page=1&amp;doc=1">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=120&amp;SID=U2di8Yq7N7FqsT7RIbC&amp;page=1&amp;doc=1</a> <b>7.336</b>
1.18	<a href="#">Surface modification of biomedical AISI 316L stainless steel with zirconium carbonitride coatings</a> By: Wang, L.; Zhao, X.; Ding, M. H.; et al. <a href="#">APPLIED SURFACE SCIENCE</a> Volume: 340 Pages: 113-119 Published: JUN 15 2015	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=122&amp;SID=U2di8Yq7N7FqsT7RIbC&amp;page=1&amp;doc=2">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=122&amp;SID=U2di8Yq7N7FqsT7RIbC&amp;page=1&amp;doc=2</a> <b>7.392</b>



1.19	<p><a href="#">A comparative study of the structural, mechanical and tribological characteristics of TiSiC-Cr coatings prepared in CH<sub>4</sub> and C<sub>2</sub>H<sub>2</sub> reactive atmosphere by cathodic vacuum arc</a>  By: Braic, Mariana; Vladescu, Alina; Balaceanu, Mihai; et al.  APPLIED SURFACE SCIENCE Volume: 400 Pages: 318-328 Published: APR 1 2017</p>	<p><a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=122&amp;SID=U2di8Yq7N7FqsT7R1bC&amp;page=1&amp;doc=2">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=122&amp;SID=U2di8Yq7N7FqsT7R1bC&amp;page=1&amp;doc=2</a>  <b>7.392</b></p>
1.20	<p><a href="#">Effects of Zr, Nb, or Si addition on the microstructural, mechanical, and corrosion resistance of TiCN hard coatings</a>  By: Constantin, L.; Braic, M.; Dinu, M.; et al.  MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION Volume: 67 Issue: 9 Pages: 929-938 Published: SEP 2016</p>	<p><a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=135&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=135&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no</a>  <b>1.832</b></p>
1.21	<p><a href="#">Multifunctional Ti based carbonitride coatings for applications in severe environments</a>  By: Pruncu, C., I.; Vladescu, A.; Parau, A. C.; et al.  Conference: Spring Meeting of the European-Materials-Research-Society (EMRS) / Symposium L on Carbon-and/or Nitrogen-Containing Thin Films and Nanomaterials Location: Strasbourg, FRANCE Date: JUN 18-22, 2018  Sponsor(s): European Mater Res Soc  THIN SOLID FILMS Volume: 682 Pages: 63-75 Published: JUL 31 2019</p>	<p><a href="https://apps.webofknowledge.com/CitingArticles.do?product=WOS&amp;REFID=87507444&amp;SID=C49i23oJAqUr26n6gix&amp;search_mode=CitingArticles&amp;parentProduct=WOS&amp;parentQid=1&amp;parentDoc=26&amp;excludeEventConfig=ExcludeIfFromFullRecPage">https://apps.webofknowledge.com/CitingArticles.do?product=WOS&amp;REFID=87507444&amp;SID=C49i23oJAqUr26n6gix&amp;search_mode=CitingArticles&amp;parentProduct=WOS&amp;parentQid=1&amp;parentDoc=26&amp;excludeEventConfig=ExcludeIfFromFullRecPage</a>  <b>2.358</b></p>
1.22	<p><a href="#">Corrosion and tribological behaviour in a 3.5% NaCl solution of vacuum arc deposited ZrCN and Zr-Cr-Si-C-N coatings</a>  By: Constantin, Lidia R.; Parau, Anca C.; Balaceanu, Mihai; et al.  PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF TRIBOLOGY Volume: 233 Issue: 1 Pages: 158-169 Published: JAN 2019</p>	<p><a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=18&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=2">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=18&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=2</a>  <b>1.818</b></p>
1.23	<p><a href="#">Tribological properties of alloyed TiSi-stainless steel carbide coatings deposited by reactive cathodic arc method</a>  By: Braic, M.; Vladescu, A.; Parau, AC.; Pruncu, CI.; Braic, V  WEAR Volume 460 Article Number 203456 DOI 10.1016/j.wear.2020.203456 Published NOV 15 2020 Indexed 2020-11-20</p>	<p><a href="#">Tribological properties of alloyed TiSi-stainless steel carbide coatings deposited by reactive cathodic arc method-Web of Science Core Collection</a>  <b>4.695</b></p>
1.24	<p><a href="#">The effect of deposition conditions on the properties of Zr-carbide, Zr-nitride and Zr-carbonitride coatings - a review</a>  By: Ul-Hamid, A (Ul-Hamid, Anwar)  MATERIALS ADVANCES Volume 1 Issue 5 Page 988-1011 DOI 0.1039/d0ma00232a Published AUG 1 2020</p>	<p>The effect of deposition conditions on the properties of Zr-carbide, Zr-nitride and Zr-carbonitride coatings - a review-Web of Science</p>

		Indexed <b>2021-02-19</b>	Core Collection <b>0</b>
			$\Sigma$ FI articol 1= <b>91.077</b> C1 articol 1= <b>24</b> C articol 1= <b>115.077</b>
2.1	Title: <b>Characteristics of Ti-Nb, Ti-Zr and Ti-Al containing hydrogenated carbon nitride films</b> Author(s): <b>Balaceanu, M., Braic, V., Braic, M., Vladescu, A., Zoita, C.N., Grigorescu, C.E., Grigore, E., Ripeanu, R.G.</b> Source: <b>SOLID STATE SCIENCES</b> Volume: <b>11</b> Issue: <b>10</b> Pages: <b>1773-1777</b> <a href="http://dx.doi.org/10.1016/j.solidstatesciences.2008.12.001">http://dx.doi.org/10.1016/j.solidstatesciences.2008.12.001</a> Published: <b>OCT 2009</b>	Title: <a href="#">Study of (Zr,Ti)CN, (Zr,Hf)CN and (Zr,Nb)CN films prepared by reactive magnetron sputtering</a> Author(s): Braic, M.; Balaceanu, M.; Vladescu, A.; Zoita CN, Braic V. Source: THIN SOLID FILMS Volume: <b>519</b> Issue: <b>12</b> Special Issue: <b>SI</b> Pages: <b>4092-4096</b> Published: <b>APR 1 2011</b> <b>ISSN:</b> 0040-6090	<a href="http://dx.doi.org/10.1016/j.tsf.2011.01.375">http://dx.doi.org/10.1016/j.tsf.2011.01.375</a> <b>2.358</b>
2.2	Source: <b>SOLID STATE SCIENCES</b> Volume: <b>11</b> Issue: <b>10</b> Pages: <b>1773-1777</b> <a href="http://dx.doi.org/10.1016/j.solidstatesciences.2008.12.001">http://dx.doi.org/10.1016/j.solidstatesciences.2008.12.001</a> Published: <b>OCT 2009</b>	Title: <b>(Zr,Ti)CN coatings as potential candidates for biomedical applications</b> Author(s): Braic V; Braic M; Balaceanu M, Vladescu A; Zoita CN; Titorencu I; Jinga V. Source: SURFACE & COATINGS TECHNOLOGY Volume: <b>206</b> Issue: <b>4</b> Special Issue: <b>SI</b> Pages: <b>604-609</b> Published: <b>NOV 15 2011</b> <b>ISSN:</b> 0257-8972	<a href="http://dx.doi.org/10.1016/j.surfcoat.2011.03.074">http://dx.doi.org/10.1016/j.surfcoat.2011.03.074</a> <b>4.865</b>
2.3		Title: <a href="#">Ag+ release and corrosion behavior of zirconium carbonitride coatings with silver nanoparticles for biomedical devices</a> Author(s): Calderon V., S.; Escobar Galindo, R.; Oliveira, J. C.; Cavaleiroc, A.; Carvalhoal, S. Source: SURFACE & COATINGS TECHNOLOGY Volume: <b>222</b> Pages: <b>104-111</b> , Published: <b>MAY 15 2013</b> Times Cited: <b>0</b> (from Web of Science)	<a href="http://dx.doi.org/10.1016/j.surfcoat.2013.02.011">http://dx.doi.org/10.1016/j.surfcoat.2013.02.011</a> <b>4.865</b>
2.4		Title: <a href="#">Tribological performance evidence on ternary and quaternary nitride coatings applied for industrial steel</a> Author(s): Caicedo, J. C.; Aperador, W.; Aguilar, Y. Source: <a href="#">REVISTA MEXICANA DE FISICA</a> Volume: 59 Issue: 4 Pages: 364-373 Published: JUL-AUG 2013	<a href="http://scielo.unam.mx/pdf/rmf/v59n4/v59n4a12.pdf">http://scielo.unam.mx/pdf/rmf/v59n4/v59n4a12.pdf</a> <b>1.702</b>
2.5		Title: <a href="#">Corrosion resistance, mechanical properties and biocompatibility of Hf-containing ZrCN coatings</a> Title: Cotrut, Cosmin-Mihai; Braic, Viorel; Balaceanu, Mihai; et al. Title: <a href="#">THIN SOLID FILMS</a> Volume: 538 Pages: 48-55 Published: JUL 1 2013	<a href="http://dx.doi.org/10.1016/j.tsf.2012.12.100">10.1016/j.tsf.2012.12.100</a> <b>2.358</b>
2.6		Title: <a href="#">Physical and tribological diagnostic of Ti-(Carbon Nitrides) and Ti-Nb-(Carbon Nitrides) coatings</a> Title: Caicedo, J. C.; Aperador, W.; Caicedo, H. H. Title: <a href="#">JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY</a> Volume: 28 Issue: 2 Pages: 489-497 Published: FEB 2014	<a href="http://dx.doi.org/10.1007/s12206-013-1117-4">http://dx.doi.org/10.1007/s12206-013-1117-4</a> <b>1.81</b>
2.7		Title: <a href="#">Existing forms and effects of carbon on the surface structure and hardness of ZrTiAlV alloys with various Zr contents</a> Author(s): Liang, S. X.; Yin, L. X.; Che, H. W.; et al. Source: <a href="#">MATERIALS &amp; DESIGN</a> Volume: 55 Pages: 864-868 Published: MAR 2014	<a href="http://dx.doi.org/10.1016/j.matdes.2013.10.063">http://dx.doi.org/10.1016/j.matdes.2013.10.063</a> <b>9.417</b>
2.8		Title: <b>60 years of DLC coatings: Historical highlights and technical review of cathodic arc processes to synthesize various DLC types, and their evolution for industrial applications</b> Author(s): Vetter, J. Source: SURFACE & COATINGS TECHNOLOGY Volume: 257 Pages: 213-240 Published: OCT 25 2014	<a href="http://dx.doi.org/10.1016/j.surfcoat.2014.08.017">http://dx.doi.org/10.1016/j.surfcoat.2014.08.017</a> <b>4.865</b>
2.9		<a href="#">Effects of Zr, Nb, or Si addition on the microstructural, mechanical, and corrosion resistance of TiCN hard coatings</a>	<a href="https://apps.webofknowledge.com/full_recor">https://apps.webofknowledge.com/full_recor</a>

		By: <a href="#">Constantin, L.</a> ; <a href="#">Braic, M.</a> ; <a href="#">Dinu, M.</a> ; et al. MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION Volume: 67 Issue: 9 Pages: 929- 938 Published: SEP 2016	<a href="http://dx.doi.org/10.1166/jnn.2008.D218">d.do?product=UA&amp;se arch_mode=CitingArti cles&amp;qid=94&amp;SID=F2j 8Uum72rvh5ltiMx2&amp;p age=1&amp;doc=1&amp;cache urlFromRightClick=no</a> <b>1.832</b>
2.10		<a href="#">Corrosion and tribological behaviour in a 3.5% NaCl solution of vacuum arc deposited ZrCN and Zr-Cr-Si-C-N coatings</a> By: Constantin, Lidia R.; Parau, Anca C.; Balaceanu, Mihai; et al. <a href="#">PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF ENGINEERING TRIBOLOGY</a> Volume: 233 Issue: 1 Pages: 158-169 Published: JAN 2019	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=42&amp;SID=C49i23oJAqUr26n6gjx&amp;page=1&amp;doc=1">https://apps.webofknow ledge.com/full_recor d.do?product=WOS&amp; search_mode=CitingA rticles&amp;qid=42&amp;SID= C49i23oJAqUr26n6gj x&amp;page=1&amp;doc=1</a> <b>1.818</b>
2.11		<a href="#">A comparative investigation of hetero-epitaxial TiC thin films deposited by magnetron sputtering using either hybrid DCMS/HiPIMS or reactive DCMS process</a> By: <a href="#">Zoita, NC; Dinu, M; Kiss, AE ; Logofatu, C ; Braic, M</a> <a href="#">APPLIED SURFACE SCIENCE</a> Volume 537 Article Number 147903 <a href="https://doi.org/10.1016/j.apsusc.2020.147903">DOI 10.1016/j.apsusc.2020.147903</a> Published JAN 30 2021	<a href="#">A comparative investigation of hetero-epitaxial TiC thin films deposited by magnetron sputtering using either hybrid DCMS/HiPIMS or reactive DCMS process-Web of Science Core Collection</a> <b>7.392</b>
			$\Sigma$ FI articol 2= <b>43.282</b> C1 articol 2= <b>11</b> C articol 2= <b>53.282</b>
3.1	Title: <b>Influence of bilayer period on the characteristics of nanometre-scale ZrN/TiAlN multilayers</b> Author(s): <a href="#">Vladescu, A.</a> , <a href="#">Kiss, A.</a> , <a href="#">Popescu, A.</a> , <a href="#">Braic, M.</a> , <a href="#">Balaceanu, M.</a> , <a href="#">Braic, V.</a> , <a href="#">Tudor, I.</a> , <a href="#">Logofatu, C.</a> , <a href="#">Negri, C. C.</a> and <a href="#">Ripeanu, R.</a>	Title: <a href="#">Evaluation of duplex (Zr,Al)CN coatings with improved tribological performance</a> Author(s): <a href="#">Cotrut, C.</a> ; <a href="#">Vladescu, A.</a> ; <a href="#">Braic, V.</a> ; <a href="#">Braic, M.</a> ; <a href="#">Balaceanu, M.</a> ; <a href="#">Miculescu, F.</a> Source: <a href="#">JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</a> Volume: 14 Issue: 7-8 Pages: 646-652, Published: <b>JUL-AUG 2012</b> Times Cited: <b>0</b> (from Web of Science) <b>ISSN: 1454-4164</b>	<a href="http://joam.inoe.ro/index.php">http://joam.inoe.ro/ind ex.php</a> <b>0.5</b>
3.2	Conference: <b>International Workshop on Nanostructured Materials (ANAOMAT 2006)</b> Location: <b>Antalya, TURKEY</b> Date: <b>JUN 21-23, 2006</b> Sponsor(s): <b>Nanoforum; Middle East Tech Univ</b>	Title: <a href="#">(Ti,Cr,Nb)CN coatings deposited on nitrided high-speed steel by cathodic arc method</a> Author(s): <a href="#">Braic M</a> ; <a href="#">Braic V</a> ; <a href="#">Balaceanu M</a> ; <a href="#">Vladescu A</a> ; <a href="#">Zoita CN</a> ; <a href="#">Lungu CP</a> ; <a href="#">Grigorescu CEA</a> ; <a href="#">Grigore E</a> ; <a href="#">Logofatu C.</a> Source: <a href="#">SURFACE &amp; COATINGS TECHNOLOGY</a> Volume: 205 Supplement: 2 Pages: <b>S209-S213</b> Published: <b>JUL 25 2011 ISSN: 0257-8972</b>	<a href="http://dx.doi.org/10.1016/j.surfcoat.2011.03.030">http://dx.doi.org/10.10 16/j.surfcoat.2011.03 .030</a> <b>4.865</b>
3.3	Source: <a href="#">JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY</a> Volume: 8 Issue: 2 Pages: 717-721 <a href="http://dx.doi.org/10.1166/jnn.2008.D218">http://dx.doi.org/10.1166/jnn.2008.D218</a> Published: FEB 2008	Title: <a href="#">Effects of pulsed bias duty ratio on microstructure and mechanical properties of TiN/TiAlN multilayer coatings</a> Author(s): <a href="#">Wei, Yongqiang</a> ; <a href="#">Gong, Chunzhi</a> Source: <a href="#">APPLIED SURFACE SCIENCE</a> Volume: 257 Issue: 17 Pages: 7881-7886 Published: <b>JUN 15 2011</b> Times Cited: <b>1</b> (from Web of Science)	<a href="http://dx.doi.org/10.1016/j.apsusc.2011.04.066">http://dx.doi.org/10.10 16/j.apsusc.2011.04. 066</a> <b>7.392</b>
3.4		Title: <a href="#">Influence of ion bombardment flux on the characteristics of NiC films obtained by cathodic arc deposition</a>	<a href="http://oam-rc.inoe.ro/">http://oam-rc.inoe.ro/</a> <b>0.556</b>

	Author(s): Balaceanu, M.; Vladescu, A.; Braic, M.; Zoita CN; Feraru I; Braic V. Source: OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 4 Issue: 12 Pages: 2167-2171 , Published: DEC 2010 Times Cited: 2 (from Web of Science) ISSN: 1842-6573	
3.5	Title: <a href="#">Stress and texture in titanium nitride thin films by X-ray diffraction techniques</a> Author(s): Ducu C; Moga S; Negrea D; Malinovschi V; Balaceanu M. Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 12 Issue: 5 Pages: 1078-1082, Published: MAY 2010 Times Cited: 0 (from Web of Science) ISSN: 1454-4164	<a href="http://joam.inoe.ro/index.php">http://joam.inoe.ro/index.php</a> 0.5
3.6	Title: <a href="#">TiAlN/TiAlZrN multilayered hard coatings for enhanced performance of HSS drilling tools</a> Author(s): Braic, V.; Zoita, C. N.; Balaceanu, M.; Kiss, A; Vladescu, A; Popescu, A; Braic, M. Conference: <b>Symposium on Protective Coatings and Thin Films held at the 2009 E-MRS Spring Meeting</b> Location: <b>Strasbourg, FRANCE</b> Date: <b>JUN 08-12, 2009</b> Sponsor(s): <b>European Mat Res Soc</b> Source: SURFACE & COATINGS TECHNOLOGY Volume: 204 Issue: 12-13 Pages: 1925-1928 Published: <b>MAR 15 2010</b> Times Cited: 13 (from Web of Science) ISSN: 0257-8972	<a href="http://dx.doi.org/10.1016/j.surfcoat.2009.08.011">http://dx.doi.org/10.1016/j.surfcoat.2009.08.011</a> 4.865
3.7	Title: <a href="#">Nickel carbide films obtained by vacuum-arc plasma deposition. Effects of ion bombardment</a> Author(s): Pavelescu, D.; Braic, M.; Balaceanu, M.; Vladescu A; Zoita CN; Feraru I; Braic, V. Book Group Author(s): IEEE Conference: <b>25th International Symposium on Discharges and Electrical Insulation in Vacuum ISDEIV</b> Location: <b>Braunschweig, GERMANY</b> Date: <b>AUG 30-SEP 03, 2010</b> Sponsor(s): <b>IEEE; DEIS; Tech Univ Braunschweig</b> Source: ISDEIV 2010: XXIVTH INTERNATIONAL SYMPOSIUM ON DISCHARGES AND ELECTRICAL INSULATION IN VACUUM Book Series: <b>International Symposium on Discharges and Electrical Insulation in a Vacuum</b> Pages: 482-484 Published: <b>2010</b> Times Cited: 0 (from Web of Science)	<a href="http://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&amp;queryText=Nickel+carbide+films+obtained+by+vacuum-arc+plasma+deposition.+Effects+of+ion+bombardment&amp;x=20&amp;y=17">http://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&amp;queryText=Nickel+carbide+films+obtained+by+vacuum-arc+plasma+deposition.+Effects+of+ion+bombardment&amp;x=20&amp;y=17</a> 0
3.8	Title: <a href="#">Effects of substrate ion bombardment on characteristics of vacuum-arc plasma deposited hard coatings</a> Author(s): Braic, V.; Pavelescu, D.; Balaceanu, M.; Zoita CN; Braic M; Kiss A; Vladescu A. Book Group Author(s): IEEE Conference: <b>23rd International Symposium on Discharges and Electrical Insulation in Vacuum</b> Location: <b>Univ Politehn, Bucharest, ROMANIA</b> Date: <b>SEP 15-19, 2008</b> Sponsor(s): <b>ABB AG; Toshiba Corp; IEEE; ICPE; ICPE CA; UAIC; INOE; IEEE DEIS</b> Source: ISDEIV 2008: PROCEEDINGS OF THE XXIII RD INTERNATIONAL SYMPOSIUM ON DISCHARGES AND ELECTRICAL INSULATION IN VACUUM, VOLS 1 AND 2 Book Series: <b>PROCEEDINGS - INTERNATIONAL SYMPOSIUM ON DISCHARGES AND ELECTRICAL INSULATION IN VACUUM</b> Pages: 503-506 Published: 2008 Times Cited: 0 (from Web of Science)	<a href="http://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&amp;queryText=Effects+of+substrate+ion+bombardment+on+characteristics+of+vacuum-arc+plasma+deposited+hard+coatings&amp;x=27&amp;y=17">http://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&amp;queryText=Effects+of+substrate+ion+bombardment+on+characteristics+of+vacuum-arc+plasma+deposited+hard+coatings&amp;x=27&amp;y=17</a> 0
3.9	Title: <a href="#">Effects of modulation ratio on microstructure and properties of TiN/TiAlN multilayer coatings</a> Author(s): Wei Yongqiang; Zong Xiaoya; Wu Zhongzhen; et al. Source: <a href="#">SURFACE &amp; COATINGS TECHNOLOGY</a> Volume: 229 Pages: 191-196 Published: AUG 25 2013	<a href="http://dx.doi.org/10.1016/j.surfcoat.2012.05.082">http://dx.doi.org/10.1016/j.surfcoat.2012.05.082</a> 4.865

3.10	Title: <a href="#">Mechanical properties and impact resistance of multilayered TiAlN/ZrN coatings</a> Author(s): Chang, Yin-Yu; Wu, Chen-Jui Source: <a href="#">SURFACE &amp; COATINGS TECHNOLOGY</a> Volume: 231 Pages: 62-66 Published: SEP 2013	<a href="http://dx.doi.org/10.1016/j.surfcoat.2012.03.013">http://dx.doi.org/10.1016/j.surfcoat.2012.03.013</a> <b>4.865</b>
3.11	Title: <a href="#">Structural, mechanical and anti-corrosive properties of biocompatible Zr/ZrCN coatings</a> Authors of Document <a href="#">Cotrut, C.M.</a> , <a href="#">Zoita, C.N.</a> , <a href="#">Kiss, A.</a> , (...), <a href="#">Vladescu, A.</a> , <a href="#">Antoniac, I.</a> Year the Document was Publish 2008 Source of the Document <a href="#">European Cells and Materials</a> 16 (SUPPL. 1), pp. 30	<a href="http://www.scopus.com/record/display.url?eid=2-s2.0-84860356662&amp;origin=resultslist&amp;sort=plf-f&amp;cite=2-s2.0-42549126472&amp;src=s&amp;imp=t&amp;sid=A80C2B14FF5A74D844273710646FE792.iqs8TDG0WY6BURhzD3nFA%3a1700&amp;sot=cite&amp;sdt=a&amp;sl=0&amp;relpos=10&amp;relpos=10&amp;citeCnt=0&amp;searchTerm=">http://www.scopus.com/record/display.url?eid=2-s2.0-84860356662&amp;origin=resultslist&amp;sort=plf-f&amp;cite=2-s2.0-42549126472&amp;src=s&amp;imp=t&amp;sid=A80C2B14FF5A74D844273710646FE792.iqs8TDG0WY6BURhzD3nFA%3a1700&amp;sot=cite&amp;sdt=a&amp;sl=0&amp;relpos=10&amp;relpos=10&amp;citeCnt=0&amp;searchTerm=</a> <b>0</b>
3.12	<a href="#">Investigation of multilayered TiSiC/NiC protective coatings</a> By: Braic, M.; Balaceanu, M.; Parau, A. C.; et al. <a href="#">VACUUM</a> Volume: 120 Pages: 60-66 Part: A Published: OCT 2015	<b>DOI:</b> <a href="#">10.1016/j.vacuum.2015.06.019</a> <b>4.11</b>
3.13	<a href="#">The effect of TiSiN interlayers on the bond strength of ceramic to NiCr and CoCr alloys</a> By: Vladescu, A.; Dinu, M.; Braic, M.; et al. <a href="#">CERAMICS INTERNATIONAL</a> Volume: 41 Issue: 6 Pages: 8051-8058 Published: JUL 2015	<b>DOI:</b> <a href="#">10.1016/j.ceramint.2015.03.001</a> <b>5.532</b>
3.14	<a href="#">A new type of (TiZrNbTaHf)N/MoN nanocomposite coating: Microstructure and properties depending on energy of incident ions</a> By: Bagdasaryan, A. A.; Pshyk, A. V.; Coy, L. E.; et al. <a href="#">COMPOSITES PART B-ENGINEERING</a> Volume: 146 Pages: 132-144 Published: AUG 1 2018	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=142&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=142&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a> <b>11.322</b>
3.15	<a href="#">In Vitro Biocompatibility of Si Alloyed Multi-Principal Element Carbide Coatings</a> By: Vladescu, Alina; Titorencu, Irina; Dekhtyar, Yuri; et al. <a href="#">PLOS ONE</a> Volume: 11 Issue: 8 Article Number: e0161151 Published: AUG 29 2016	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=146&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=3">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=146&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=3</a> <b>3.752</b>
3.16	<a href="#">NanoscaleTiN/ZrN Multilayered Coatings, Their Structure and Properties</a> By: Bondar, O. V.; Beresnev, V. M.; Kravchenko, Ya. O.; et al. Conference: <a href="#">6th International Conference on Nanomaterials - Applications &amp; Properties (NAP) Location: Minist Educ &amp; Sci Ukraine, Lviv, UKRAINE Date: SEP 14-19, 2016</a> <a href="#">INTERNATIONAL CONFERENCE ON NANOMATERIALS: APPLICATION &amp; PROPERTIES (NAP)</a> Article Number: <a href="#">UNSP 01NTF07</a> Published: 2016	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=150&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=150&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no</a> <b>0</b>
3.17	<a href="#">Microstructure, adhesion, mechanical and corrosion properties of TiN coatings deposited by high energy pulse-enhanced vacuum arc evaporation</a>	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mod">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mod</a>

		By: <a href="#">Ma, Yinghe</a> ; <a href="#">Yang, Jianguo</a> ; <a href="#">Tian, Xiubo</a> ; et al. <b>JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY</b> Volume: 34 Issue: 10 Pages: 1040-1061 Published: MAY 18 2020 Early Access: NOV 2019	<a href="#">e=CitingArticles&amp;qid=3&amp;SID=C2eHyNcj7e76OdM5PG8&amp;page=1&amp;doc=12.431</a>
3.18		<a href="#">Deposition, microstructure and nanoindentation of multilayer Zr nitride and carbonitride nanostructured coatings</a> By: <a href="#">Ul-Hamid, A</a> <b>SCIENTIFIC REPORTS</b> Volume 12 Issue 1 Article Number 5591 DOI 10.1038/s41598-022-09449-6 Published APR 4 2022 Indexed 2022-04-24	<a href="#">Deposition, microstructure and nanoindentation of multilayer Zr nitride and carbonitride nanostructured coatings-Web of Science Core Collection 4.997</a>
3.19		<a href="#">High-entropy ceramics: Review of principles, production and applications</a> By: <a href="#">Akrami, S</a> ; <a href="#">Edalati, P</a> ; <a href="#">Fuji, M</a> ; <a href="#">Edalati, K</a> <b>MATERIALS SCIENCE &amp; ENGINEERING R-REPORTS</b> Volume 146 Article Number 100644 DOI 10.1016/j.mser.2021.100644 Published OCT 2021 Early Access OCT 2021 Indexed 2021-11-04	<a href="#">High-entropy ceramics: Review of principles, production and applications-Web of Science Core Collection 33.667</a>
3.20		<a href="#">Effects of the target-to-substrate distance on the microstructure and properties of TiN coatings fabricated by pulse-enhanced vacuum arc evaporation</a> By: <a href="#">Ma, YH</a> ; <a href="#">Zhang, KX</a> ; <a href="#">Yang, JG</a> ; <a href="#">Tian, XB</a> ; <a href="#">Gong, CZ</a> ; <a href="#">Zheng, WJ</a> ; <a href="#">He, YM</a> ; <a href="#">Gao, ZL</a> ; <a href="#">Wei, LF</a> ; <a href="#">Chu, PK</a> <b>JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY</b> Volume 35 Issue 11 Page 1125-1137 DOI 10.1080/01694243.2020.1836763 Published JUN 3 2021 Early Access OCT 2020 Indexed 2020-11-17	<a href="#">Effects of the target-to-substrate distance on the microstructure and properties of TiN coatings fabricated by pulse-enhanced vacuum arc evaporation-Web of Science Core Collection 2.431</a>
			$\Sigma$ FI articol 3= <b>96.65</b> C1 articol 3= <b>20</b> C articol 3= <b>116.65</b>
4.1	Title: <a href="#">Structure and properties of Zr/ZrCN coatings deposited by cathodic arc method</a> Author(s): Braic, M.; Braic, V.; Balaceanu, M.; et al. Source: MATERIALS CHEMISTRY AND PHYSICS Volume: 126 Issue: 3 Pages: 818-825 DOI: 10.1016/j.matchemphys.2010.12.036 Published: APR 15 2011	Title: <a href="#">Ag+ release and corrosion behavior of zirconium carbonitride coatings with silver nanoparticles for biomedical devices</a> Author(s): Calderon V., S.; Escobar Galindo, R.; Oliveira, J. C.; Cavaleiroc, A.; Carvalhoal, S. Source: SURFACE & COATINGS TECHNOLOGY Volume: 222 Pages: 104-111 Published: MAY 15 2013 Times Cited: 0 (from Web of Science)	<a href="http://dx.doi.org/10.1016/j.surfcoat.2013.02.011">http://dx.doi.org/10.1016/j.surfcoat.2013.02.011</a> <b>4.865</b>
4.2		Title: <a href="#">Arc plasma deposition of TiSiN/Ni nanoscale multilayered coatings</a> Author(s): Vladescu, Alina; Braic, Viorel; Braic, Mariana; Bălăceanu, Mihai. Source: MATERIALS CHEMISTRY AND PHYSICS Volume: 138 Issue: 2-3 Pages: 500-506 Published: MAR 15 2013 Times Cited: 0 (from Web of Science)	<a href="http://dx.doi.org/10.1016/j.matchemphys.2012.12.010">http://dx.doi.org/10.1016/j.matchemphys.2012.12.010</a> <b>4.778</b>

4.3	Title: <a href="#">High efficiency surface roughness measuring system for hard thin films deposited by cathodic arc evaporation</a> Author(s): Kuo, Chil-Chyuan; Siao, Yu-Teng Source: <a href="#">OPTIK</a> Volume: 124 Issue: 17 Pages: 2993-2997 Published: 2013	<a href="http://dx.doi.org/10.1016/j.ijleo.2012.09.014">http://dx.doi.org/10.1016/j.ijleo.2012.09.014</a> <b>2.84</b>
4.4	<a href="#">A Rapid Optical System for Surface Roughness Measurement of Hard Films</a> By: Kuo, C. C.; Siao, Y. T. Book Group Author(s): IEEE Conference: IEEE International Conference on Industrial Engineering and Engineering Management (IEEM) Location: HONG KONG Date: DEC 10-13, 2012 Sponsor(s): IEEE; IEEE Technol Management Council, Singapore Chapter; IEEE Singapore Sect; IEEE Systems, Man, & Cybernet Soci Hong Kong Chapter 2012 IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL ENGINEERING AND ENGINEERING MANAGEMENT (IEEM) Book Series: International Conference on Industrial Engineering and Engineering Management IEEM Pages: 2365-2369 Published: 2012	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=87&amp;SID=U2di8Yq7N7FqsT7RlbC&amp;page=2&amp;doc=11">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=87&amp;SID=U2di8Yq7N7FqsT7RlbC&amp;page=2&amp;doc=11</a> <b>0</b>
4.5	Title: <a href="#">Ag+ release inhibition from ZrCN-Ag coatings by surface agglomeration mechanism: structural characterization</a> Author(s): Calderon, S., V; Escobar Galindo, R.; Benito, N.; et al. Source: <a href="#">JOURNAL OF PHYSICS D-APPLIED PHYSICS</a> Volume: 46 Issue: 32 Article Number: 325303 Published: AUG 14 2013	<a href="http://dx.doi.org/10.1088/0022-3727/46/32/325303">http://dx.doi.org/10.1088/0022-3727/46/32/325303</a> <b>3.409</b>
4.6	Title: <a href="#">Investigation of nanostructured TiSiC-Zr and TiSiC-Cr hard coatings for industrial applications</a> Author(s): Vitelaru, C.; Balaceanu, M.; Parau, A.; et al. Source: <a href="#">SURFACE &amp; COATINGS TECHNOLOGY</a> Volume: 251 Pages: 21-28 Published: JUL 25 2014	<a href="http://dx.doi.org/10.1016/j.surfcoat.2014.04.001">http://dx.doi.org/10.1016/j.surfcoat.2014.04.001</a> <b>4.865</b>
4.7	Title: <a href="#">Prediction of optimized composition for enhanced mechanical and electrochemical response of Zr-C-N-Ag coatings for medical devices</a> Author(s): Calderon, S.; Oliveira, J. C.; Evaristo, M.; et al. Source: <a href="#">APPLIED SURFACE SCIENCE</a> Volume: 320 Pages: 570-580 Published: NOV 30 2014	<a href="http://dx.doi.org/10.1016/j.apsusc.2014.08.201">http://dx.doi.org/10.1016/j.apsusc.2014.08.201</a> <b>7.392</b>
4.8	Title: <a href="#">Biotribological behavior of Ag-ZrCxN1-x coatings against UHMWPE for joint prostheses devices</a> Author(s) Calderon, S., V; Sanchez-Lopez, J. C.; Cavaleiro, A.; et al. Source: <a href="#">JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS</a> Volume: 41 Pages: 83-91 Published: JAN 2015	<a href="http://dx.doi.org/10.1016/j.jmbbm.2014.09.028">http://dx.doi.org/10.1016/j.jmbbm.2014.09.028</a> <b>4.042</b>
4.9	<a href="#">Electrochemical response of ZrCN-Ag-a(C,N) coatings in simulated body fluids</a> By: Calderon, S., V; Cavaleiro, B. A.; Carvalho, S. <a href="#">ELECTROCHIMICA ACTA</a> Volume: 176 Pages: 898-906 Published: SEP 10 2015	DOI: <a href="http://dx.doi.org/10.1016/j.electacta.2015.07.083">10.1016/j.electacta.2015.07.083</a> <b>7.336</b>
4.10	<a href="#">Chemical and structural characterization of Zr-C-N-Ag coatings: XPS, XRD and Raman spectroscopy</a> By: Calderon, S.; Cavaleiro, A.; Carvalho, S. <a href="#">APPLIED SURFACE SCIENCE</a> Volume: 346 Pages: 240-247 Published: AUG 15 2015	DOI: <a href="http://dx.doi.org/10.1016/j.apsusc.2015.03.161">10.1016/j.apsusc.2015.03.161</a> <b>7.392</b>
4.11	<a href="#">Surface modification of biomedical AISI 316L stainless steel with zirconium carbonitride coatings</a> By: Wang, L.; Zhao, X.; Ding, M. H.; et al. <a href="#">APPLIED SURFACE SCIENCE</a> Volume: 340 Pages: 113-119 Published: JUN 15 2015	DOI: <a href="http://dx.doi.org/10.1016/j.apsusc.2015.02.191">10.1016/j.apsusc.2015.02.191</a> <b>7.392</b>
4.12	Title: <a href="#">A rapid optical system for surface roughness measurement of hard films</a> Authors of Document <a href="#">Kuo, C.C., Siao, Y.T.</a> Year the Document was Publish 2012 Source of the Document IEEE International Conference on	<a href="http://dx.doi.org/10.1109/IEEM.2012.6838171">http://dx.doi.org/10.1109/IEEM.2012.6838171</a> <b>0</b>

		Industrial Engineering and Engineering Management 6838171, pp. 2365-2369	
4.13		<a href="#"><u>Synthesis and characterization of soluble and meltable Zr-containing polymers as the single-source precursor for Zr(C, N) multinary ceramics</u></a> By: <a href="#"><u>Li, Hao</u></a> ; <a href="#"><u>Gou, Yanzi</u></a> ; <a href="#"><u>Chen, Shugang</u></a> ; et al. JOURNAL OF MATERIALS SCIENCE Volume: 53 Issue: 15 Pages: 10933-10945 Published: AUG 2018	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=75&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=75&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a> <b>4.682</b>
4.14		<a href="#"><u>Effect of Bias Voltage on Microstructure and Mechanical Properties of Nanocomposite ZrCN Films Deposited by Filtered Cathodic Vacuum Arc</u></a> By: <a href="#"><u>Zhou, Han</u></a> ; <a href="#"><u>Zhou, Fu-Zeng</u></a> ; <a href="#"><u>Shen, Yong-Qing</u></a> ; et al. CHINESE PHYSICS LETTERS Volume: 35 Issue: 6 Article Number: 066202 Published: MAY 2018	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=78&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=2&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=78&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=2&amp;cacheurlFromRightClick=no</a> <b>2.293</b>
4.15		<a href="#"><u>Tribology of multilayer coatings for wear reduction: A review</u></a> By: <a href="#"><u>Khadem, Mahdi</u></a> ; <a href="#"><u>Penkov, Oleksiy V.</u></a> ; <a href="#"><u>Yang, Hee-Kyung</u></a> ; et al. Conference: 6th World Tribology Congress (WTC) Location: Chinese Tribol Inst, Beijing, PEOPLES R CHINA Date: SEP 17-22, 2017 Sponsor(s): Tsinghua Univ, State Key Lab Tribol FRICTION Volume: 5 Issue: 3 Special Issue: SI Pages: 248-262 Article Number: 2223-7690(2017)5:3<248:TOMCFW>2.0.TX;2-B Published: SEP 2017	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=81&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=3&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=81&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=3&amp;cacheurlFromRightClick=no</a> <b>4.924</b>
4.16		<a href="#"><u>Microstructures and properties of Zr/CrN multilayer coatings fabricated by multi-arc ion plating</u></a> By: <a href="#"><u>Guan, Xiaoyan</u></a> ; <a href="#"><u>Wang, Yongxin</u></a> ; <a href="#"><u>Zhang, Guangan</u></a> ; et al. TRIBOLOGY INTERNATIONAL Volume: 106 Pages: 78-87 Published: FEB 2017	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=85&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=85&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no</a> <b>5.62</b>
4.17		<a href="#"><u>Microstructure and mechanical properties evaluation of cathodic arc deposited CrCN/ZrCN multilayer coatings</u></a> By: <a href="#"><u>Huang, Sung-Hsiu</u></a> ; <a href="#"><u>Tong, Cheng-Yi</u></a> ; <a href="#"><u>Hsieh, Tsung-Eong</u></a> ; et al. <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> Volume: 803 Pages: 1005-1015 Published: SEP 30 2019	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=42&amp;SID=C2eHyNcj7e76OdM5PG8&amp;page=1&amp;doc=1">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=42&amp;SID=C2eHyNcj7e76OdM5PG8&amp;page=1&amp;doc=1</a> <b>6.371</b>
4.18		<a href="#"><u>Microstructure and tribological properties of multilayered ZrCrW(C)N coatings fabricated by cathodic vacuum-arc deposition</u></a> <a href="#"><u>Li, Y</u></a> ; <a href="#"><u>Wang, ZW</u></a> ; (...); <a href="#"><u>He, YY</u></a> Dec 15 2022   <i>CERAMICS INTERNATIONAL</i> 48 (24), pp.36655-36669	<a href="#"><u>Microstructure and tribological properties of multilayered ZrCrW(C)N coatings fabricated by cathodic vacuum-arc deposition-Web of Science Core Collection</u></a> <b>5.532</b>



4.19		<p><a href="#"><u>Corrosion and Antibacterial Behavior of CrN Single-layer Coating and CrN/Cu Multilayer Nanostructured Coatings Applied by Cathodic Arc Evaporation Technique</u></a>  <a href="#"><u>Hirbodjavan, M; Fattah-alhosseini, A; (...); Imantalab, O</u></a>  Dec 2022 /  <a href="#"><u>IRANIAN JOURNAL OF MATERIALS SCIENCE AND ENGINEERING</u></a> 19 (4)</p>	<p><a href="#"><u>Corrosion and Antibacterial Behavior of CrN Single-layer Coating and CrN/Cu Multilayer Nanostructured Coatings Applied by Cathodic Arc Evaporation Technique-Web of Science Core Collection</u></a>  <b>0</b></p>
4.20		<p><a href="#"><u>Corrosion Improvement of 304L Stainless Steel by ZrSiN and ZrSi(N,O) Mono- and Double-Layers Prepared by Reactive Cathodic Arc Evaporation</u></a>  <a href="#"><u>Dinu, M; Parau, AC; (...); Braic, V</u></a>  Oct 2021 /  <a href="#"><u>COATINGS</u></a> 11 (10)</p>	<p><a href="#"><u>Corrosion Improvement of 304L Stainless Steel by ZrSiN and ZrSi(N,O) Mono- and Double-Layers Prepared by Reactive Cathodic Arc Evaporation-Web of Science Core Collection</u></a>  <b>3.236</b></p>
4.21		<p><a href="#"><u>First-Principles Study on the Structural, Electronic, Optical, Mechanical, and Adsorption Properties of Cubical Transition Metal Nitrides MN (M = Ti, Zr and Hf)</u></a>  <a href="#"><u>Tiwari, A; Talwekar, RH and Verma, ML</u></a>  Jun 2021 / Mar 2021 (Early Access) /  <a href="#"><u>JOURNAL OF ELECTRONIC MATERIALS</u></a> 50 (6) ,  pp.3312-3325</p>	<p><a href="#"><u>First-Principles Study on the Structural, Electronic, Optical, Mechanical, and Adsorption Properties of Cubical Transition Metal Nitrides MN (M = Ti, Zr and Hf)-Web of Science Core Collection</u></a>  <b>2.047</b></p>
4.22		<p><a href="#"><u>A comparative investigation of hetero-epitaxial TiC thin films deposited by magnetron sputtering using either hybrid DCMS/HiPIMS or reactive DCMS process</u></a>  <a href="#"><u>Zoita, NC; Dinu, M; (...); Braic, M</u></a>  Jan 30 2021 /  <a href="#"><u>APPLIED SURFACE SCIENCE</u></a> 537</p>	<p><a href="#"><u>A comparative investigation of hetero-epitaxial TiC thin films deposited by magnetron sputtering using either hybrid DCMS/HiPIMS or reactive DCMS process-Web of Science Core Collection</u></a>  <b>7.392</b></p>

4.23		<a href="#">The effect of deposition conditions on the properties of Zr-carbide, Zr-nitride and Zr-carbonitride coatings - a review</a> <a href="#">Ul-Hamid, A</a> Aug 1 2020 / <a href="#">MATERIALS ADVANCES</a> 1 (5) , pp.988-1011	<a href="#">The effect of deposition conditions on the properties of Zr-carbide, Zr-nitride and Zr-carbonitride coatings - a review-Web of Science Core Collection</a> <b>0</b>
4.24		<a href="#">Microstructure, properties and applications of Zr-carbide, Zr-nitride and Zr-carbonitride coatings: a review</a> <a href="#">Ul-Hamid, A</a> Aug 1 2020 / <a href="#">MATERIALS ADVANCES</a> 1 (5) , pp.1012-1037	<a href="#">Microstructure, properties and applications of Zr-carbide, Zr-nitride and Zr-carbonitride coatings: a review-Web of Science Core Collection</a> <b>0</b>
			<b>Σ FI articol 4= 96.408</b> <b>C1 articol 4= 24</b> <b>C articol 4= 120.408</b>
5.1	Title: <a href="#">STUDY OF THE TRIBOLOGICAL BEHAVIOR OF DIFFERENT CARBONACEOUS NANOMATERIALS SUCH AS ANTIWEAR ADDITIVES FOR AN ENVIRONMENTALLY FRIENDLY LUBRICANT</a> Author(s): Cursaru, D. L.; Ramadan, I.; Tanasescu, C.; et al. Source: <b>Digest Journal of Nanomaterials and Biostructures</b> Volume: 8 Issue: 2 Pages: 805-815 Published: <b>APR-JUN 2013</b>	Title: <a href="#">CARBON NANOWALLS AS SUITABLE LAYERS FOR LUBRICITY IMPROVEMENT</a> Author(s):: Vizireanu, S.; Stoyanova, A. Lazea; Filipescu, M.; Cursaru, DL ; Dinescu, G. Source: <a href="#">DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES</a> Volume: 8 Issue: 3 Pages: 1145-1156 Published: JUL-SEP 2013	<a href="http://chalcogen.ro/1145_Vizireanu.pdf">http://chalcogen.ro/1145_Vizireanu.pdf</a> <b>0.899</b>
5.2	Author(s): Cursaru, D. L.; Ramadan, I.; Tanasescu, C.; et al. Source: <b>Digest Journal of Nanomaterials and Biostructures</b> Volume: 8 Issue: 2 Pages: 805-815 Published: <b>APR-JUN 2013</b>	Title: <a href="#">EFFECT OF FUNCTIONALIZATION OF SINGLE WALLED CARBON NANOTUBES ON ANTIWEAR PROPERTIES OF A MINERAL BASE OIL</a> Author(s):: : Cursaru, D. L.; Ghita, D.; Mihai, S. Source: <a href="#">DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES</a> Volume: 9 Issue: 4 Pages: 1379-1388 Published: OCT-DEC 2014	<a href="http://www.chalcogen.ro/1379_Cursaru.pdf">http://www.chalcogen.ro/1379_Cursaru.pdf</a> <b>0.899</b>
5.3		<a href="#">IMPROVEMENT OF ANTIWEAR PROPERTIES BY COATING THE STEEL SURFACES AND BY LUBRICANT ADDITIVATION</a> By: <a href="#">Cursaru, D. L.</a> ; <a href="#">Giagkas, N.</a> ; <a href="#">Vizireanu, S.</a> ; et al. <a href="#">DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES</a> Volume: 14 Issue: 4 Pages: 907-915 Published: OCT-DEC 2019	<a href="https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=130&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=1">https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=130&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=1</a> <b>0.899</b>
5.4		<a href="#">Computational intelligence-based design of lubricant with vegetable oil blend and various nano friction modifiers</a> By: <a href="#">Bhaumik, Shubrajit</a> ; <a href="#">Mathew, Behanan Roy</a> ; <a href="#">Datta, Shubhabrata</a> <a href="#">FUEL</a> Volume: 241 Pages: 733-743 Published: <b>APR 1 2019</b>	<a href="https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=133&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=2">https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=133&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=2</a> <b>8.035</b>
5.5		<a href="#">Effect of the Addition of Fullerene Soot to Litol-24 Grease on the Basic Laws of Sliding Friction in the</a>	<a href="#">Effect of the Addition of the</a>

		<a href="#">R6M5 Steel-45 Steel Pair</a> <a href="#">Breki, AD; Chulkin, SG; (...); Gvozdev, AE</a> Oct 2022 / <a href="#">RUSSIAN METALLURGY</a> 2022 (10) , pp.1293-1299	<a href="#">Fullerene Soot to Litol-24 Grease on the Basic Laws of Sliding Friction in the R6M5 Steel-45 Steel Pair-Web of Science Core Collection</a> <b>0</b>
5.6		<a href="#">ADSORPTION MODEL OF MESOMORPHIC BOUNDARY LUBRICATING LAYER FORMED BY NANOSCALE ADDITIVE IN TRIBOSYSTEM WITH ABRASIVE WEAR</a> <a href="#">Parfenov, AS; Volkov, AV; (...); Godlevskiy, VA</a> Jan-mar 2022 / <a href="#">LIQUID CRYSTALS AND THEIR APPLICATION</a> 22 (1) , pp.76-83	<a href="#">ADSORPTION MODEL OF MESOMORPHIC BOUNDARY LUBRICATING LAYER FORMED BY NANOSCALE ADDITIVE IN TRIBOSYSTEM WITH ABRASIVE WEAR-Web of Science Core Collection</a> <b>0</b>
5.7		<a href="#">Experimental study on effect of nano Al2O3 in physiochemical and tribological properties of vegetable oil sourced biolubricant blends</a> <a href="#">Muthurathinam, SG and Perumal, AV</a> Jan-mar 2022 / <a href="#">DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES</a> 17 (1) , pp.47-58	<a href="#">Experimental study on effect of nano Al2O3 in physiochemical and tribological properties of vegetable oil sourced biolubricant blends-Web of Science Core Collection</a> <b>0.899</b>
			<b>∑ FI Articol 5= 11.631</b> <b>C1 articol 5= 7</b> <b>C articol 5= 18.631</b>
6.1	Title: <a href="#">The efficiency of Co-based single-wall carbon nanotubes (SWNTs) as an AW/EP additive for mineral base oils</a>	Title: <a href="#">Boundary lubrication: Influence of the size and structure of inorganic fullerene-like MoS2 nanoparticles on friction and wear reduction</a> Author(s):: Rabaso, Pierre; Ville, Fabrice; Dassenoy, Fabrice; et al. Source: <a href="#">WEAR</a> Volume: 320 Pages: 161-178 Published: DEC 15 2014	<a href="http://dx.doi.org/10.1016/j.wear.2014.09.001">http://dx.doi.org/10.1016/j.wear.2014.09.001</a> <b>4.695</b>
6.2	Author(s): <a href="#">Cursaru, DL</a> ; <a href="#">Andronescu, C</a> ; <a href="#">Pirvu, C</a> ; <a href="#">Ripeanu, R</a> Source: <a href="#">Wear</a> Volume: 290 Pages: 133-139 Published: JUN 30 2012 DOI: 10.1016/j.wear.2012.04.0	Title: <a href="#">Antiwear and Extreme Pressure Properties of Nanofluids for Industrial Applications</a> Author(s):: Pena-Paras, Laura; Taha-Tijerina, Jaime; Garcia, Andres; et al. Source: <a href="#">TRIBOLOGY &amp; LUBRICATION TECHNOLOGY</a> Volume: 70 Issue: 12 Pages: 74-79 Published: DEC 2014	<a href="http://dx.doi.org/10.1080/10402004.2014.933937">http://dx.doi.org/10.1080/10402004.2014.933937</a> <b>0.16</b>
6.3		Title: <a href="#">EFFECT OF FUNCTIONALIZATION OF SINGLE WALLED CARBON NANOTUBES ON ANTIWEAR PROPERTIES OF A MINERAL BASE OIL</a> Author(s):: Cursaru, D. L.; Ghita, D.; Mihai, S. Source: <a href="#">DIGEST JOURNAL OF NANOMATERIALS AND</a>	<a href="http://www.chalcogen.ro/1379_Cursaru.pdf">http://www.chalcogen.ro/1379_Cursaru.pdf</a> <b>0.899</b>

	19	<a href="#">BIOSTRUCTURES</a> Volume: 9 Issue: 4 Pages: 1379-1388 Published: OCT-DEC 2014	
6.4		<a href="#">FRICTION AND WEAR PROPERTIES OF CARBON NANOWALLS COATINGS</a> By: Cursaru, D. L.; Vizireanu, S.; Mihai, S.; et al. <a href="#">DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES</a> Volume: 9 Issue: 3 Pages: 1105-1114 Published: JUL-SEP 2014	<a href="http://www.chalcogen.ro/1105_Cursaru.pdf">http://www.chalcogen.ro/1105_Cursaru.pdf</a> <b>0.899</b>
6.5		Title: <a href="#">A review of recent developments of friction modifiers for liquid lubricants (2007-present)</a> Author(s):: Tang, Zhenglin; Li, Shaohui Source: <a href="#">CURRENT OPINION IN SOLID STATE &amp; MATERIALS SCIENCE</a> Volume: 18 Issue: 3 Pages: 119-139 Published: JUN 2014	<a href="http://dx.doi.org/10.1016/j.cossms.2014.02.002">http://dx.doi.org/10.1016/j.cossms.2014.02.002</a> <b>12.857</b>
6.6		Title: <a href="#">Antiwear and Extreme Pressure Properties of Nanofluids for Industrial Applications</a> Author(s):: Pena-Paras, Laura; Taha-Tijerina, Jaime; Garcia, Andres; et al. Source: <a href="#">TRIBOLOGY TRANSACTIONS</a> Volume: 57 Issue: 6 Pages: 1072-1076 Published: 2014	<a href="http://dx.doi.org/10.1080/10402004.2014.933937">http://dx.doi.org/10.1080/10402004.2014.933937</a> <b>2.056</b>
6.7		Title: <a href="#">Optimum Balance between Extreme Pressure and Antiwear Additives from Gear Lubricants</a> Author(s):: Bogatu, Liana; Tanasescu, Constantin Source: <a href="#">REVISTA DE CHIMIE</a> Volume: 64 Issue: 8 Pages: 904-908 Published: AUG 2013	<a href="http://www.revistadachimie.ro/pdf/BOGATU%20L.pdf%208%2013.pdf">http://www.revistadachimie.ro/pdf/BOGATU%20L.pdf%208%2013.pdf</a> <b>1.755</b>
6.8		Title: <a href="#">CARBON NANOWALLS AS SUITABLE LAYERS FOR LUBRICITY IMPROVEMENT</a> Author(s):: Vizireanu, S.; Stoyanova, A. Lazea; Filipescu, M.; et al. Source: <a href="#">DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES</a> Volume: 8 Issue: 3 Pages: 1145-1156 Published: JUL-SEP 2013	<a href="http://chalcogen.ro/1145_Vizireanu.pdf">http://chalcogen.ro/1145_Vizireanu.pdf</a> <b>0.899</b>
6.9		Title: <a href="#">Analysis of Tribological behavior of carbon nanotube based industrial mineral gear oil 250 cSt viscosity</a> Authors of Document <a href="#">Bhaumik, S., Prabhu, S., Singh, K.J.</a> Year the Document was Publish 2014 Source of the Document <a href="#">Advances in Tribology</a> ISSN:1687-5915 341365	<a href="http://www.scopus.com/source/sourceInfo.url?sourceId=19600161813&amp;origin=recordpage">http://www.scopus.com/source/sourceInfo.url?sourceId=19600161813&amp;origin=recordpage</a> <b>0</b>
6.10		<a href="#">Effect of Nanoparticles on Thermal Properties Enhancement in Different Oils - A Review</a> Author(s):: Sridhara, V.; Satapathy, L. N. <a href="#">CRITICAL REVIEWS IN SOLID STATE AND MATERIALS SCIENCES</a> Volume: 40 Issue: 6 Pages: 399-424 Published: NOV 2 2015, ISSN: 1040-8436	<b>DOI:</b> <a href="https://doi.org/10.1080/10408436.2015.1068159">10.1080/10408436.2015.1068159</a> <b>11.178</b>
6.11		<a href="#">An Investigation on Tribological Properties and Lubrication Mechanism of Graphite Nanoparticles as Vegetable Based Oil Additive</a> By: Su, Yu; Gong, Le; Chen, Dandan <a href="#">JOURNAL OF NANOMATERIALS</a> Article Number: 276753 Published: 2015	<b>DOI:</b> <a href="https://doi.org/10.1155/2015/276753">10.1155/2015/276753</a> <b>3.791</b>
6.12		<b>Graphene based nanofluids and nanolubricants - Review of recent developments</b> By: <a href="#">Rasheed, AK</a> (Rasheed, A. K.) <sup>[1]</sup> ; <a href="#">Khalid, M</a> (Khalid, M.) <sup>[1]</sup> ; <a href="#">Rashmi, W</a> (Rashmi, W.) <sup>[2]</sup> ; <a href="#">Gupta, TCSM</a> (Gupta, T. C. S. M.) <sup>[3]</sup> ; <a href="#">Chan, A</a> (Chan, A.) <sup>[4]</sup> <b>RENEWABLE &amp; SUSTAINABLE ENERGY REVIEWS</b> Volume: 63 Pages: 346-362 Published: SEP 2016	<b>DOI:</b> <a href="https://doi.org/10.1016/j.rser.2016.04.072">10.1016/j.rser.2016.04.072</a> <b>16.799</b>
6.13		<b>Enhancing lubricant properties by nanoparticle additives</b> By: <a href="#">Shahnazar, S</a> (Shahnazar, Sheida) <sup>[1]</sup> ; <a href="#">Bagheri, S</a> (Bagheri, Samira) <sup>[1]</sup> ; <a href="#">Abd Hamid, SB</a> (Abd Hamid, Sharifah Bee) <sup>[1]</sup> <a href="#">View ResearcherID and ORCID</a> <b>INTERNATIONAL JOURNAL OF HYDROGEN ENERGY</b> Volume: 41 Issue: 4 Pages: 3153-3170 Published: JAN 30 2016	<b>DOI:</b> <a href="https://doi.org/10.1016/j.ijhydene.2015.12.040">10.1016/j.ijhydene.2015.12.040</a> <b>7.139</b>

6.14		<p><a href="#">Analyses of anti-wear and extreme pressure properties of castor oil with zinc oxide nano friction modifiers</a>  By: <a href="#">Bhaumik, Shubrajit</a>; <a href="#">Maggiwar, Rishabh</a>; <a href="#">Datta, Shubhabrata</a>; et al.  Conference: 4th International Conference on Nanoscience and Nanotechnology (ICONN) Location: SRM Inst Sci &amp; Technol, Chennai, INDIA Date: AUG 09-11, 2017  Sponsor(s): Shizuoka Univ; GNS New Zealand; Natl Chiao Tung Univ; Atomistix Toolkit &amp; Virtual Nanolab; Alfatech Serv Profile; Alfatech Serv; Ape Res Nanotechnol; HHV Bangalore; SCIA Syst; Spectrum Sci Co; Bio Log Sci Instruments; HORIBA Sci; Hysitron; SISCO; Proc Equip; SAM Elect; Sinsil Int; Keithley India; Tci Chem Pvt Ltd; Antslab; Quantumwise; Apexicindia; Keysight; Aarjay; Hewlett Packard Enterprise; Solaris; Synergy Sci  APPLIED SURFACE SCIENCE Volume: 449 Special Issue: SI Pages: 277-286 Published: AUG 15 2018</p>	<p><a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=31&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=31&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a>  <b>7.392</b></p>
6.15		<p><a href="#">Experimental Investigations to Enhance the Tribological Performance of Engine Oil by Using Nano-Boric Acid and Functionalized Multiwalled Carbon Nanotubes: A Comparative Study to Assess Wear in Bronze Alloy</a>  By: <a href="#">Vardhaman, B. S. Ajay</a>; <a href="#">Amarnath, M.</a>; <a href="#">Ramkumar, J.</a>; et al.  Conference: International Conference on Emerging Trends in Nanoscience and Nanotechnology (ICETINN) Location: Sikkim Manipal Inst Technol, Majitar, INDIA Date: MAR 16-18, 2017  JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE Volume: 27 Issue: 6 Special Issue: SI Pages: 2782-2795 Published: JUN 2018</p>	<p><a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=34&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=2&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=34&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=2&amp;cacheurlFromRightClick=no</a>  <b>2.036</b></p>
6.16		<p><a href="#">Influence of carbon nanotube on the tribological properties of vegetable-based oil</a>  By: <a href="#">Su, Yu</a>; <a href="#">Tang, Zhengcheng</a>; <a href="#">Wang, Guicheng</a>; et al.  ADVANCES IN MECHANICAL ENGINEERING Volume: 10 Issue: 5 Article Number: 1687814018778188 Published: MAY 23 2018</p>	<p><a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=39&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=3&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=39&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=3&amp;cacheurlFromRightClick=no</a>  <b>1.566</b></p>
6.17		<p><a href="#">Effective lubricant additive of nano-Ag/MWCNTs nanocomposite produced by supercritical CO2 synthesis</a>  By: <a href="#">Meng, Yuan</a>; <a href="#">Su, Fenghua</a>; <a href="#">Chen, Yangzhi</a>  TRIBOLOGY INTERNATIONAL Volume: 118 Pages: 180-188 Published: FEB 2018</p>	<p><a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=39&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=39&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no</a>  <b>5.62</b></p>
6.18		<p><a href="#">LUBRICATING PERFORMANCE OF CARBON NANOTUBES IN INTERNAL COMBUSTION ENGINES - ENGINE TEST RESULTS FOR CNT ENRICHED OIL</a>  By: <a href="#">Kaluzny, Jaroslaw</a>; <a href="#">Merkisz-Guranowska, Agnieszka</a>; <a href="#">Giersig, Michael</a>; et al.  INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY Volume: 18 Issue: 6 Pages: 1047-</p>	<p><a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=39&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=39&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no</a></p>

		1059 Published: DEC 2017	<a href="https://apps.webofknowledge.com/fullrecord.do?product=UA&amp;search_mode=CitingArticles&amp;qid=43&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=7">d=43&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=7</a> <b>1.557</b>
6.19		<a href="#">Analyses of Tribological Properties of Castor Oil With Various Carbonaceous Micro- and Nano-Friction Modifiers</a> By: <a href="#">Bhaumik, Shubrajit</a> ; <a href="#">Datta, Shubhabrata</a> ; <a href="#">Pathak, S. D.</a> JOURNAL OF TRIBOLOGY-TRANSACTIONS OF THE ASME Volume: 139 Issue: 6 Article Number: 061802 Published: NOV 2017	<a href="https://apps.webofknowledge.com/fullrecord.do?product=UA&amp;search_mode=CitingArticles&amp;qid=46&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=8&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/fullrecord.do?product=UA&amp;search_mode=CitingArticles&amp;qid=46&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=8&amp;cacheurlFromRightClick=no</a> <b>1.891</b>
6.20		<a href="#">Relative anti-wear property evaluation of nano garnet gear lubricant</a> By: <a href="#">Maheswaran, R.</a> ; <a href="#">Sunil, J.</a> INTERNATIONAL JOURNAL OF SURFACE SCIENCE AND ENGINEERING Volume: 11 Issue: 4 Pages: 320-343 Published: 2017	<a href="https://apps.webofknowledge.com/fullrecord.do?product=UA&amp;search_mode=CitingArticles&amp;qid=50&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=9&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/fullrecord.do?product=UA&amp;search_mode=CitingArticles&amp;qid=50&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=9&amp;cacheurlFromRightClick=no</a> <b>0.944</b>
6.21		<a href="#">Cheap nano-clay additive as a lubricating enhancer</a> By: <a href="#">Rebis, J.</a> ; <a href="#">Frydrych, J.</a> ; <a href="#">Skibinski, J.</a> ; et al. JOURNAL OF POWER TECHNOLOGIES Volume: 97 Issue: 2 Pages: 103-109 Published: 2017	<a href="https://apps.webofknowledge.com/fullrecord.do?product=UA&amp;search_mode=CitingArticles&amp;qid=54&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=10&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/fullrecord.do?product=UA&amp;search_mode=CitingArticles&amp;qid=54&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=10&amp;cacheurlFromRightClick=no</a> <b>0</b>
6.22		<a href="#">Effective lubricant additive of nano-Ag/MWCNTs nanocomposite produced by supercritical CO2 synthesis</a> By: <a href="#">Meng, Yuan</a> ; <a href="#">Su, Fenghua</a> ; <a href="#">Chen, Yangzhi</a> <b>TRIBOLOGY INTERNATIONAL</b> Volume: 118 Pages: 180-188 Published: FEB 2018	<a href="https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gix&amp;page=2&amp;doc=11">https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gix&amp;page=2&amp;doc=11</a> <b>5.62</b>
		<a href="#">Influence of carbon nanotube on the tribological properties of vegetable-based oil</a> By: <a href="#">Su, Yu</a> ; <a href="#">Tang, Zhengcheng</a> ; <a href="#">Wang, Guicheng</a> ; et al. <b>ADVANCES IN MECHANICAL ENGINEERING</b> Volume: 10 Issue: 5 Article	<a href="https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i">https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i</a>

		Number: 1687814018778188 Published: MAY 23 2018	<a href="https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gjx&amp;page=1&amp;doc=10">23oJAqUr26n6gjx &amp;page=1&amp;doc=10</a> <b>1.566</b>
6.23		<b><u><a href="#">Experimental Investigations to Enhance the Tribological Performance of Engine Oil by Using Nano-Boric Acid and Functionalized Multiwalled Carbon Nanotubes: A Comparative Study to Assess Wear in Bronze Alloy</a></u></b> By: <b><u><a href="#">Vardhaman, B. S. Ajay</a></u></b> ; <b><u><a href="#">Amarnath, M.</a></u></b> ; <b><u><a href="#">Ramkumar, L.</a></u></b> ; et al. Conference: International Conference on Emerging Trends in Nanoscience and Nanotechnology (ICETINN) Location: Sikkim Manipal Inst Technol, Majitar, INDIA Date: MAR 16-18, 2017 <b><u><a href="#">JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE</a></u></b> Volume: 27 Issue: 6 Special Issue: SI Pages: 2782-2795 Published: JUN 2018	<a href="https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gjx&amp;page=1&amp;doc=9">https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gjx&amp;page=1&amp;doc=9</a> <b>2.036</b>
6.24		<b><u><a href="#">Analyses of anti-wear and extreme pressure properties of castor oil with zinc oxide nano friction modifiers</a></u></b> By: <b><u><a href="#">Bhaumik, Shubrajit</a></u></b> ; <b><u><a href="#">Maggirwar, Rishabh</a></u></b> ; <b><u><a href="#">Datta, Shubhabrata</a></u></b> ; et al. Conference: 4th International Conference on Nanoscience and Nanotechnology (ICONN) Location: SRM Inst Sci & Technol, Chennai, INDIA Date: AUG 09-11, 2017 Sponsor(s): Shizuoka Univ; GNS New Zealand; Natl Chiao Tung Univ; Atomistix Toolkit & Virtual Nanolab; Alfatech Serv Profile; Alfatech Serv; Ape Res Nanotechnol; HHV Bangalore; SCIA Syst; Spectrum Sci Co; Bio Log Sci Instruments; HORIBA Sci; Hysitron; SISCO; Proc Equip; SAM Elect; Sinsil Int; Keithley India; Tci Chem Pvt Ltd; Antslab; Quantumwise; Apexicindia; Keysight; Aarjay; Hewlett Packard Enterprise; Solaris; Synergy Sci <b><u><a href="#">APPLIED SURFACE SCIENCE</a></u></b> Volume: 449 Special Issue: SI Pages: 277-286 Published: AUG 15 2018	<a href="https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gjx&amp;page=1&amp;doc=8">https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gjx&amp;page=1&amp;doc=8</a> <b>7.392</b>
6.25		<b><u><a href="#">Advances in carbon nanomaterials as lubricants modifiers</a></u></b> By: <b><u><a href="#">Ali, Imran</a></u></b> ; <b><u><a href="#">Basheer, AlArsh</a></u></b> ; <b><u><a href="#">Kucherova, Anastasia</a></u></b> ; et al. <b><u><a href="#">JOURNAL OF MOLECULAR LIQUIDS</a></u></b> Volume: 279 Pages: 251-266 Published: APR 1 2019	<a href="https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gjx&amp;page=1&amp;doc=7">https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gjx&amp;page=1&amp;doc=7</a> <b>6.633</b>
6.26		<b><u><a href="#">One-step gas-liquid detonation synthesis of carbon nano-onions and their tribological performance as lubricant additives</a></u></b> By: <b><u><a href="#">Luo, Ning</a></u></b> ; <b><u><a href="#">Xiang, Jun-Xiang</a></u></b> ; <b><u><a href="#">Shen, Tao</a></u></b> ; et al. <b><u><a href="#">DIAMOND AND RELATED MATERIALS</a></u></b> Volume: 97 Article Number: UNSP 107448 Published: AUG 2019	<a href="https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gjx&amp;page=1&amp;doc=6">https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gjx&amp;page=1&amp;doc=6</a> <b>3.806</b>

6.27	<p><a href="#"><u>Effect of Cr2AlC nanolamella addition on tribological properties of 5W-30 engine oil</u></a>  By: <a href="#"><u>Davis, Deepak</u></a>; <a href="#"><u>Shah, Azeezuddin Farhaan</u></a>; <a href="#"><u>Panigrahi, Bharat B.</u></a>; et al.  <b>APPLIED SURFACE SCIENCE</b> Volume: 493 Pages: 1098-1105 Published: NOV 1 2019</p>	<p><a href="https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=5">https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=5</a>  <b>7.392</b></p>
6.28	<p><a href="#"><u>Artificial intelligence based design of multiple friction modifiers dispersed castor oil and evaluating its tribological properties</u></a>  By: <a href="#"><u>Bhaumik, Shubrajit</u></a>; <a href="#"><u>Pathak, S. D.</u></a>; <a href="#"><u>Dev, Swati</u></a>; et al.  <b>TRIBOLOGY INTERNATIONAL</b> Volume: 140 Article Number: UNSP 105813 Published: DEC 2019</p>	<p><a href="https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=4">https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=4</a>  <b>5.62</b></p>
6.29	<p><a href="#"><u>Experimental study on the anti-wear and anti-corrosive properties of the water-soluble metalworking fluid dispersed with copper and aluminium oxide nanoparticles</u></a>  By: <a href="#"><u>Prabu, L.</u></a>; <a href="#"><u>Saravanakumar, N.</u></a>  <b>MATERIALS RESEARCH EXPRESS</b> Volume: 6 Issue: 12 Article Number: 125022 Published: DEC 2019</p>	<p><a href="https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=3">https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=3</a>  <b>2.025</b></p>
6.30	<p><a href="#"><u>Effect of addition of copper nanoparticles on the tribological behavior of macadamia oil at different sliding speeds</u></a>  By: <a href="#"><u>Singh, Nishant</u></a>; <a href="#"><u>Singh, Yashvir</u></a>; <a href="#"><u>Sharma, Abhishek</u></a>; et al.  <b>ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS</b> Volume: 41 Issue: 23 Pages: 2917-2928 Published: DEC 2 2019</p>	<p><a href="https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=2">https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=2</a>  <b>2.902</b></p>
6.31	<p><a href="#"><u>Roles of nanomaterials at the rubbing interface of mechanical systems</u></a>  By: <a href="#"><u>Sunil, J.</u></a>; <a href="#"><u>Godwin, J.</u></a>; <a href="#"><u>Selvam, C. M.</u></a>  Conference: International Conference on Recent Trends in Nanomaterials for Energy, Environmental and Engineering Applications (ICONEEEA) Location: Tiruchirappalli, INDIA Date: MAR 28-29, 2019  Sponsor(s): K Ramakrishnan Coll Engn Technol Int  <b>MATERIALS TODAY-PROCEEDINGS</b> Volume: 21 Pages: 184-188 Part: 1 Published: 2020</p>	<p><a href="https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=1">https://apps.webofknowledge.com/fullrecord.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=96&amp;SID=C49i23oJAqUr26n6gix&amp;page=1&amp;doc=1</a>  <b>0</b></p>
6.32	<p><a href="#"><u>Nano and micro additivated glycerol as a promising alternative to existing non-biodegradable and skin unfriendly synthetic cutting fluids</u></a>  <a href="#"><u>Bhaumik, S</u></a>; <a href="#"><u>Paleu, V</u></a>; (...); <a href="#"><u>Kamaraj, M</u></a>  Aug 1 2020 /</p>	<p><a href="#"><u>Nano and micro additivated glycerol as a promising alternative to existing non-biodegradable and</u></a></p>



		<a href="#"><u>JOURNAL OF CLEANER PRODUCTION</u></a> 263	<a href="#"><u>skin unfriendly synthetic cutting fluids-Web of Science Core Collection</u></a> <b>11.072</b>
6.33		<a href="#"><u>One-step synthesis of carbon sphere@ 1 T-MoS2 towards superior antiwear and lubricity</u></a> <a href="#"><u>Xie, MX; Pan, BL; (...); Wang, HG</u></a> Dec 2022 / <a href="#"><u>TRIBOLOGY INTERNATIONAL</u></a> 176	<a href="#"><u>One-step synthesis of carbon sphere@ 1 T-MoS2 towards superior antiwear and lubricity-Web of Science Core Collection</u></a> <b>5.62</b>
6.34		<a href="#"><u>A critical review on the effect of morphology, stability, and thermophysical properties of graphene nanoparticles in nanolubricants and nanofluids</u></a> <a href="#"><u>Suresh, K; Selvakumar, P; (...); Jenita, NR</u></a> Oct 2022 (Early Access) /	<a href="#"><u>A critical review on the effect of morphology, stability, and thermophysical properties of graphene nanoparticles in nanolubricants and nanofluids-Web of Science Core Collection</u></a> <b>4.755</b>
6.35		<a href="#"><u>Strategies for improving friction behavior based on carbon nanotube additive materials</u></a> <a href="#"><u>Gu, YQ; Ma, LB; (...); Ren, Y</u></a> Dec 2022 / Sep 2022 (Early Access) / <a href="#"><u>TRIBOLOGY INTERNATIONAL</u></a> 176	<a href="#"><u>Strategies for improving friction behavior based on carbon nanotube additive materials-Web of Science Core Collection</u></a> <b>5.62</b>
6.36		<a href="#"><u>Tribological properties of water-based nanofluids prepared by multi-walled carbon nanotubes composites filled with sulfurised isobutylene</u></a> <a href="#"><u>Guan, JJ; Wu, J; (...); Xu, XF</u></a> Jun 2022 / Feb 2022 (Early Access) / <a href="#"><u>LUBRICATION SCIENCE</u></a> 34 (4) , pp.275-289	<a href="#"><u>Tribological properties of water-based nanofluids prepared by multi-walled carbon nanotubes composites filled with sulfurised isobutylene-Web of Science Core Collection</u></a> <b>1.307</b>
6.37		<a href="#"><u>Preparation and characterization of bio-based nano cutting fluids for tribological applications</u></a> <a href="#"><u>Vignesh, S and Iqbal, UM</u></a> Feb 2022 (Early Access) /	<a href="#"><u>Preparation and characterization of bio-based nano cutting fluids for tribological applications-Web of Science Core Collection</u></a>

			<b>2.057</b>
6.38	<a href="#"><u>Experimental Investigation of the Friction Modifying Effects of Different Nanoforms of Graphene Additives in Engine Lubricating Oil</u></a> <a href="#"><u>Toth-Nagy, C and Szabo, AI</u></a> 2022 / <a href="#"><u>FME TRANSACTIONS</u></a> 50 (2) , pp.248-259	<a href="#"><u>Experimental Investigation of the Friction Modifying Effects of Different Nanoforms of Graphene Additives in Engine Lubricating Oil-Web of Science Core Collection</u></a>	<b>0</b>
6.39	<a href="#"><u>Role of nano-sized materials as lubricant additives in friction and wear reduction: A review</u></a> <a href="#"><u>Wang, BX; Qiu, F; (...); Jiang, QC</u></a> Feb 15 2022 / Dec 2021 (Early Access) / <a href="#"><u>WEAR</u></a> 490-491	<a href="#"><u>Role of nano-sized materials as lubricant additives in friction and wear reduction: A review-Web of Science Core Collection</u></a>	<b>4.695</b>
6.40	<a href="#"><u>Study regarding enhancement of antiwear properties of a grease, by using carbon nanomaterials based additives</u></a> <a href="#"><u>Micu, IF; Cursaru, DL; (...); Ramadan, I</u></a> Apr-jun 2021 / <a href="#"><u>DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES</u></a> 16 (2) , pp.509-514	<a href="#"><u>Study regarding enhancement of antiwear properties of a grease, by using carbon nanomaterials based additives-Web of Science Core Collection</u></a>	<b>0.899</b>
6.41	<a href="#"><u>The challenges and benefits of using carbon nano-tubes as friction modifier lubricant additives</u></a> <a href="#"><u>Tonk, R</u></a> <a href="#"><u>International Conference on Newer Trends and Innovations in Mechanical Engineering (ICONTIME) - Materials Science</u></a> 2021 / Feb 2021 (Early Access) / <a href="#"><u>MATERIALS TODAY-PROCEEDINGS</u></a> 37 , pp.3275-3278	<a href="#"><u>The challenges and benefits of using carbon nano-tubes as friction modifier lubricant additives-Web of Science Core Collection</u></a>	<b>0</b>
6.42	<a href="#"><u>Reducing friction and engine vibrations with trace amounts of carbon nanotubes in the lubricating oil</u></a> <a href="#"><u>Kaluzny, J; Waligorski, M; (...); Kempa, K</u></a> Nov 2020 / <a href="#"><u>TRIBOLOGY INTERNATIONAL</u></a> 151	<a href="#"><u>Reducing friction and engine vibrations with trace amounts of carbon nanotubes in the lubricating oil-Web of Science Core Collection</u></a>	<b>5.62</b>
6.43	<a href="#"><u>Enhanced tribological performances of zinc oxide/MWCNTs hybrid nanomaterials as the effective lubricant additive in engine oil</u></a> <a href="#"><u>Vardhaman, BSA; Amarnath, M; (...); Mondal, K</u></a> Oct 1 2020 / <a href="#"><u>MATERIALS CHEMISTRY AND PHYSICS</u></a> 253	<a href="#"><u>Enhanced tribological performances of zinc oxide/MWCNTs hybrid</u></a>	

			<a href="#">nanomaterials as the effective lubricant additive in engine oil-Web of Science Core Collection</a> <b>4.778</b>
6.44		<a href="#">Avocado oil mixed with an antiwear additive as a potential lubricant - Measurement of antiwear and extreme pressure properties</a> <a href="#">Shafi, WK and Charoo, MS</a> Jun 2021 / Aug 2020 (Early Access) / <a href="#">PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE</a> 235 (11) , pp.2087-2098	<a href="#">Avocado oil mixed with an antiwear additive as a potential lubricant - Measurement of antiwear and extreme pressure properties-Web of Science Core Collection</a> <b>1.758</b>
			$\Sigma$ FI articol 6= <b>177.306</b> C1 articol 6= <b>44</b> C articol 6= <b>221.306</b>
7.1	Title: <a href="#">TRIBOLOGICAL BEHAVIOUR OF BRAKE BANDS</a> Author(s): Ripeanu, R. G.; Ispas, V.; Ispas, D. Source: <b>Journal of the Balkan Tribological Association</b> Volume: 18 Issue : 1 Pages: 28-35 Published: 2012	Title: <a href="#">The Evaluation of Braking Performances of Mechanical Brake System on Oil Rig</a> Author(s): Wang, Yu; Lin, Li Source: <a href="#">JOURNAL OF ADVANCED MECHANICAL DESIGN SYSTEMS AND MANUFACTURING</a> Volume: 7 Issue: 2 Pages: 195-204 Published: 2013	<a href="http://dx.doi.org/10.1299/jamdsm.7.1.95">http://dx.doi.org/10.1299/jamdsm.7.1.95</a> <b>0.667</b>
7.2		<a href="#">EFFECT OF FIBRE REINFORCEMENT ON TRIBOLOGICAL PERFORMANCES OF HYBRID FRICTION COMPOSITES</a> By: Manoharan, S.; Ramadoss, G.; Suresha, B.; et al. <a href="#">JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION</a> Volume: 21 Issue: 3 Pages: 525-538 Published: 2015	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=50&amp;SID=U2di8Yq7N7FqsT7Rlbc&amp;page=1&amp;doc=1">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=50&amp;SID=U2di8Yq7N7FqsT7Rlbc&amp;page=1&amp;doc=1</a> <b>0.737</b>
7.3		<a href="#">SIMULATION OF FRICTION BETWEEN CABLE AND SUBWIRE TUBE IN SADDLE TYPE ANCHORAGE OF LOW-TOWER CABLE-STAYED BRIDGE</a> By: Niu, Yanwei; Rong, Shuai; Qu, Xiaoxiao; et al. <a href="#">JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION</a> Volume: 21 Issue: 4A Pages: 1087-1099 Published: 2015	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=66&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=2&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=66&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=2&amp;cacheurlFromRightClick=no</a> <b>0.737</b>
7.4		<a href="#">FEATURE EXTRACTION AND PATTERN RECOGNITION ON THE FRICTIONAL FAULTS OF DISC BRAKE</a> By: Yin, Yan; Xiao, Xingming; Bao, Jiusheng; et al. <a href="#">JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION</a> Volume: 22 Issue: 2 Pages: 1208-1227 Part: 1 Published: 2016	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=66&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=66&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a> <b>0.737</b>
7.5		<a href="#">CARRYING ABILITY OF ASSEMBLY USING THE CLOSING BRACELET</a> By: Grigore N; Nae I.	<a href="https://www.scopus.com/authid/detail.uri?authorId=24067665900">https://www.scopus.com/authid/detail.uri?authorId=24067665900</a>

		<a href="#">JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 22 Issue: 3A Pages: 3587-3585 Part: 1 Published: 2016</a>	<a href="http://scifulcom.net/">http://scifulcom.net/</a> <b>0</b>
7.6		<a href="#">FEATURE EXTRACTION AND PATTERN RECOGNITION ON THE FRICTIONAL FAULTS OF DISC BRAKE</a> By: Yin Y; Xiao X; Bao J; Li Z; Lu Y. <a href="#">JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 22 Issue: 2 Pages: 1220-1233 Part: 1 Published: 2016</a>	<a href="https://www.scopus.com/authid/detail.uri?authorId=24067665900">https://www.scopus.com/authid/detail.uri?authorId=24067665900</a> ; <a href="http://scifulcom.net/">http://scifulcom.net/</a> <b>0</b>
7.7		<a href="#">Experimental research on the behavior of the abrasive wear of the rotor-stator couple by progressive cavity pumps (Part i) Mitrasca, N., Iyad Al Naboulsi, M., Morosanu, M., Antonescu, N.N. 2020 Journal of the Balkan Tribological Association 26(3), pp. 435-447</a>	<a href="https://www.scopus.com/results/citedbyresults.uri?sort=plf-f&amp;cite=2-s2.0-84859967368&amp;src=s&amp;imp=t&amp;sid=710444e271f0ffe905ffc6bf22ac849e&amp;sot=cite&amp;sdt=a&amp;sl=0&amp;origin=resultslist&amp;editSaveSearch=&amp;txGid=b9bc26cd0ae4ba174fc067892c65255f">https://www.scopus.com/results/citedbyresults.uri?sort=plf-f&amp;cite=2-s2.0-84859967368&amp;src=s&amp;imp=t&amp;sid=710444e271f0ffe905ffc6bf22ac849e&amp;sot=cite&amp;sdt=a&amp;sl=0&amp;origin=resultslist&amp;editSaveSearch=&amp;txGid=b9bc26cd0ae4ba174fc067892c65255f</a> <b>0</b>
7.8		<a href="#">INVESTIGATION OF THERMAL STRESSES OF THE BRAKE SYSTEM USING FINITE ELEMENT METHOD</a> Abbas, A., Hamzah, A. 2022 Journal of the Balkan Tribological Association 28(3), pp. 337-349	<a href="https://www.scopus.com/results/citedbyresults.uri?sort=plf-f&amp;cite=2-s2.0-84859967368&amp;src=s&amp;imp=t&amp;sid=710444e271f0ffe905ffc6bf22ac849e&amp;sot=cite&amp;sdt=a&amp;sl=0&amp;origin=resultslist&amp;editSaveSearch=&amp;txGid=b9bc26cd0ae4ba174fc067892c65255f">https://www.scopus.com/results/citedbyresults.uri?sort=plf-f&amp;cite=2-s2.0-84859967368&amp;src=s&amp;imp=t&amp;sid=710444e271f0ffe905ffc6bf22ac849e&amp;sot=cite&amp;sdt=a&amp;sl=0&amp;origin=resultslist&amp;editSaveSearch=&amp;txGid=b9bc26cd0ae4ba174fc067892c65255f</a> <b>0</b>
			<b>Σ FI articol 7= 2.878</b> <b>C1 articol 7= 8</b> <b>C articol 7= 10.878</b>
8.1	Title: <a href="#">ENVIRONMENTAL FRIENDLY THREAD COMPOUNDS FOR CASING, TUBING AND LINE PIPE</a> Author(s): Florea, O; Luca, M; Ripeanu, RG Source: Journal of the Balkan Tribological Association Volume: 15 Issue: 2 Pages: 292-297 Published: 2009 Volume: 15 Issue: 2 Pages: 292-297 Published: 2009	Title: <a href="#">Behaviour of some anti-friction coatings powders on lubricating greases for special work conditions</a> Authors of Document Florea, O., Marin, A.-G., Matei, V. Year the Document was Publish 2014 Source of the Document <a href="#">Tribologie und Schmierungstechnik</a> 61 (1), pp. 29-35	<a href="http://www.scopus.com/record/display.uri?eid=2-s2.0-84904281787&amp;origin=resultslist&amp;sort=plf-f&amp;cite=2-s2.0-68149092540&amp;src=s&amp;imp=t&amp;sid=A80C2B14FF5A74D844273710646FE792.iqs8TDG0WY6BURhzD3nFA%3a1260&amp;sot=cite&amp;sdt=a&amp;sl=0&amp;relpos=0&amp;relpos=0&amp;citeCnt=0&amp;searchTerm=">http://www.scopus.com/record/display.uri?eid=2-s2.0-84904281787&amp;origin=resultslist&amp;sort=plf-f&amp;cite=2-s2.0-68149092540&amp;src=s&amp;imp=t&amp;sid=A80C2B14FF5A74D844273710646FE792.iqs8TDG0WY6BURhzD3nFA%3a1260&amp;sot=cite&amp;sdt=a&amp;sl=0&amp;relpos=0&amp;relpos=0&amp;citeCnt=0&amp;searchTerm=</a> <b>0</b>
8.2		<a href="#">Influence of Additives on Antiwear and Extreme Pressure Behaviour of the Vegetable Oils</a> By: Bogatu, Liana; Dragomir, Raluca Elena <a href="#">REVISTA DE CHIMIE</a> Volume: 67 Issue: 4 Pages: 630-633 Published: APR 2016	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=127&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=127&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a>

			<b>1.755</b>
8.3		<a href="#">Efficient application of vegetable oils in deep drawing processes</a> Tanasescu, C., Bogatu, L., Popa, C. 2016 Journal of the Balkan Tribological Association 22(4-II), pp. 4099-4108	<a href="#">Scopus - 4 documents that cite: Environmental friendly thread compounds for casing, tubing and line pipe   Signed in</a> <b>0</b>
8.4		<a href="#">A versatile thin polysiloxane composite coating targeting for threads endowed with properties of anti-corrosion and friction reduction</a> Wei, YT; Xu, F; (...); Wang, HY Nov 2022   Aug 2022 (Early Access)   PROGRESS IN ORGANIC COATINGS 172	<a href="#">A versatile thin polysiloxane composite coating targeting for threads endowed with properties of anti-corrosion and friction reduction-Web of Science Core Collection</a> <b>6.206</b>
		<b>∑ FI articol 8=</b>	<b>7.961</b>
		<b>C1 articol 8=</b>	<b>4</b>
		<b>C articol 8=</b>	<b>11.961</b>
9.1	<a href="#">ESTABLISHING THE TRIBOLOGICAL BEHAVIOUR OF HVOF HARDFACING APPLIED AT PETROLEUM GATE VALVES</a> By: Caltaru, M.; Badicioiu, M.; Ripeanu, R. G. JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 19 Issue: 3 Pages: 448-460 Published: 2013	<a href="#">A COMPARATIVE STUDY OF HARDFACING TECHNOLOGIES APPLIED FOR INCREASING THE WEAR RESISTANCE OF MUD PUMP VALVES</a> By: Iancu, M. B.; Ulmanu, V.; Hadar, A. JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 22 Issue: 2 Pages: 1228-1240 Part: 1 Published: 2016	<a href="http://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=56&amp;SID=C556cbcFvef41ocT7T6&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">http://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=56&amp;SID=C556cbcFvef41ocT7T6&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a> <b>0.737</b>
9.2		<a href="#">Analysis of wear and hardness during surface hardfacing of alloy steel by thermal spraying, electric arc and TIG welding</a> <i>Singh, S; Kumar, R; (...); Singh, H</i> <i>2nd International Conference on Functional Material, Manufacturing and Performances (ICFMMP) 2022   MATERIALS TODAY-PROCEEDINGS 50, pp.1599-1605</i>	<a href="#">Analysis of wear and hardness during surface hardfacing of alloy steel by thermal spraying, electric arc and TIG welding-Web of Science Core Collection</a> <b>0</b>
		<b>∑ FI articol 9=</b>	<b>0.737</b>
		<b>C1 articol 9=</b>	<b>2</b>
		<b>C articol 9=</b>	<b>2.737</b>
10.1	<a href="#">RECONDITIONING OF DRILL COLLARS BY USING WELDING TECHNOLOGIES</a> By: Ripeanu, R. G.; Badicioiu, M.; Caltaru, M. JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 21 Issue: 2 Pages: 314-328 Published: 2015	<a href="#">RESEARCHES REGARDING THE HARDFACING TECHNOLOGIES OF MUD PUMP VALVE SEATS APPLIED FOR INCREASING THE EROSION WEAR RESISTANCE</a> By: Iancu, M. B.; Ulmanu, V.; Hadar, A. JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 22 Issue: 3 Pages: 2320-2334 Part: 1 Published: 2016	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=127&amp;SID=F2j8Uum72rvh5tiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=127&amp;SID=F2j8Uum72rvh5tiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a> <b>0.737</b>
10.2		<a href="#">INVESTIGATIONS ON THE MUD PUMPS VALVES REPAIR USING HARD METAL DEPOSITING BY WELDING</a> By: Badicioiu, Marius; Caltaru, Mihaela; Teodoriu, Catalin; et	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;se">https://apps.webofknowledge.com/full_record.do?product=UA&amp;se</a>

		al. Conference: 37th ASME International Conference on Ocean, Offshore and Arctic Engineering Location: Madrid, SPAIN Date: JUN 17-22, 2018 Sponsor(s): ASME, Ocean Offshore & Arct Engrn Div PROCEEDINGS OF THE ASME 37TH INTERNATIONAL CONFERENCE ON OCEAN, OFFSHORE AND ARCTIC ENGINEERING, 2018, VOL 8 Book Series: Proceedings of the ASME International Conference on Ocean Offshore and Arctic Engineering Article Number: V008T11A033 Published: 2018	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=27&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1">arch_mode=CitingArticles&amp;qid=27&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1</a> <b>0</b>
10.3		<a href="#">Experimental research on improving the wear resistance and anti-friction properties of drill pipe joints</a> <a href="#">Huang, ZQ; Yin, ZQ and Wu, W</a> Dec 7 2021   Oct 2021 (Early Access)   <a href="#">INDUSTRIAL LUBRICATION AND TRIBOLOGY</a> 73 (9) , pp.1198-1208	<a href="#">Experimental research on improving the wear resistance and anti-friction properties of drill pipe joints-Web of Science Core Collection</a> <b>1.442</b>
			$\Sigma$ FI articol 10= <b>2.179</b> C1 articol 10= <b>3</b> C articol 10= <b>5.179</b>
11.1	<a href="#">STUDIES AND RESEARCH ON THE ELECTRICAL RESISTANCE OF THE POLYETHYLENE INSULATION USED FOR THE CHEMICAL PROTECTION OF THE STEEL PIPELINES INTENDED FOR THE NATURAL GAS DISTRIBUTION</a> By: Filip, Stefan Mihai; Ripeanu, Ravan George; Avrigean, Eugen	<a href="#">The Thermooxidation and Resistance to Moulds Action of Some Polyethylene Sorts Used at Anticorrosive Insulation of the Underground Pipelines</a> By: Bors, Adriana Mariana; Butoi, Nicoleta; Caramitu, Alina Ruxandra; et al. <a href="#">MATERIALE PLASTICE</a> Volume: 54 Issue: 3 Pages: 447-452 Published: SEP 2017	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=21&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=21&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a> <b>0.782</b>
11.2	<a href="#">MATERIALE PLASTICE</a> Volume: 54 Issue: 1 Pages: 63-66 Published: MAR 2017	<a href="#">Studies and Research on the Behavior of Polyethylene when Electrofusion Welding Fittings to High Density Polyethylene Pipes</a> <a href="#">Avrigean, E</a> Mar 2021   <a href="#">MATERIALE PLASTICE</a> 58 (1) , pp.85-9	<a href="#">Studies and Research on the Behavior of Polyethylene when Electrofusion Welding Fittings to High Density Polyethylene Pipes-Web of Science Core Collection</a> <b>0.782</b>
			$\Sigma$ FI articol 11= <b>1.564</b> C1 articol 11= <b>2</b> C articol 11= <b>3.564</b>
12.1	<a href="#">MECHANICAL, CORROSION AND BIOLOGICAL PROPERTIES OF ROOM-TEMPERATURE SPUTTERED ALUMINUM NITRIDE FILMS WITH DISSIMILAR NANOSTRUCTURE.</a> By: Besleaga, Cristina; Dumitru, Viorel; Trinca, Liliana Marinela; et al.	<a href="#">Biocompatible and sustainable power supply for self-powered wearable and implantable electronics using III-nitride thin-film-based flexible piezoelectric generator</a> By: Chen, Jie; Oh, Seung Kyu; Nabulsi, Noor; et al. <a href="#">NANO ENERGY</a> Volume: 57 Pages: 670-679 Published: MAR 2019	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=17&amp;SID=D1AOXe2QyP5gRwfSb5U&amp;page=1&amp;doc=4">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=17&amp;SID=D1AOXe2QyP5gRwfSb5U&amp;page=1&amp;doc=4</a> <b>19.069</b>
12.2	Nanomaterials (Basel, Switzerland) Volume: 7 Issue: 11 Published:	<a href="#">Pulsed Laser Deposition of Aluminum Nitride Films: Correlation between Mechanical, Optical, and Structural Properties</a> By: Kolaklieva, Lilyana; Chitanov, Vasilii; Szekeres, Anna; et al.	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=13&amp;SID=">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=13&amp;SID=</a>

	2017 Nov 17	<a href="#">COATINGS</a> Volume: 9 Issue: 3 Article Number: 195 Published: MAR 17 2019	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=9&amp;SID=D1AOXe2QyP5gRwfSb5U&amp;page=1&amp;doc=3">D1AOXe2QyP5gRwfSb5U&amp;page=1&amp;doc=3</a> <b>3.236</b>
12.3		<a href="#">High Durable, Biocompatible, and Flexible Piezoelectric Pulse Sensor Using Single-Crystalline III-N Thin Film</a> By: <a href="#">Chen, Jie</a> ; <a href="#">Liu, Haoran</a> ; <a href="#">Wang, Weijie</a> ; et al. <a href="#">ADVANCED FUNCTIONAL MATERIALS</a> Volume: 29 Issue: 37 Article Number: 1903162 Published: SEP 2019 Early Access: JUL 2019	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=9&amp;SID=D1AOXe2QyP5gRwfSb5U&amp;page=1&amp;doc=2">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=9&amp;SID=D1AOXe2QyP5gRwfSb5U&amp;page=1&amp;doc=2</a> <b>19.924</b>
12.4		<a href="#">Animal Origin Bioactive Hydroxyapatite Thin Films Synthesized by RF-Magnetron Sputtering on 3D Printed Cranial Implants</a> By: <a href="#">Chioibas, Diana</a> ; <a href="#">Duta, Liviu</a> ; <a href="#">Popescu-Pelin, Gianina</a> ; et al. <a href="#">METALS</a> Volume: 9 Issue: 12 Article Number: 1332 Published: DEC 2019	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=6&amp;SID=D1AOXe2QyP5gRwfSb5U&amp;page=1&amp;doc=1">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=6&amp;SID=D1AOXe2QyP5gRwfSb5U&amp;page=1&amp;doc=1</a> <b>2.695</b>
12.5		<a href="#">Substrate Temperature Dependent Properties of Sputtered AlN:Er Thin Film for In-Situ Luminescence Sensing of Al/AlN Multilayer Coating Health</a> By: <a href="#">Fang, Liping</a> ; <a href="#">Jiang, Yidong</a> ; <a href="#">Zhu, Shengfa</a> ; et al. <a href="#">MATERIALS</a> Volume: 11 Issue: 11 Article Number: 2196 Published: NOV 2018	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=7&amp;SID=F2j8Uum72rvh5tiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=7&amp;SID=F2j8Uum72rvh5tiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a> <b>3.748</b>
12.6		<a href="#">Reactive Sputtering of Aluminum Nitride (002) Thin Films for Piezoelectric Applications: A Review</a> By: <a href="#">Iqbal, Abid</a> ; <a href="#">Mohd-Yasin, Faisal</a> <a href="#">SENSORS</a> Volume: 18 Issue: 6 Article Number: 1797 Published: JUN 2018	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=10&amp;SID=F2j8Uum72rvh5tiMx2&amp;page=1&amp;doc=2&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=10&amp;SID=F2j8Uum72rvh5tiMx2&amp;page=1&amp;doc=2&amp;cacheurlFromRightClick=no</a> <b>3.847</b>
12.7		<a href="#">The influence of metallization on resonance frequency and temperature sensitivity of GHz operating III-Nitride SAW based sensor structures</a> By: <a href="#">Mueller, A.</a> ; <a href="#">Nicoloiu, A.</a> ; <a href="#">Dinescu, A.</a> ; et al. Conference: IEEE/MTT-S International Microwave Symposium Location: Philadelphia, PA Date: JUN 10-15, 2018 Sponsor(s): IEEE; MTT-S; RFIC; ARFTG; IMBioC; IMS 2018 IEEE/MTT-S INTERNATIONAL MICROWAVE SYMPOSIUM - IMS Book Series: IEEE MTT-S International Microwave Symposium Pages: 938-941 Published: 2018	<a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=13&amp;SID=F2j8Uum72rvh5tiMx2&amp;page=1&amp;doc=3&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=13&amp;SID=F2j8Uum72rvh5tiMx2&amp;page=1&amp;doc=3&amp;cacheurlFromRightClick=no</a> <b>0</b>
12.8		<a href="#">AlN/Si based SAW resonators for very high sensitivity temperature sensors</a> By: <a href="#">Nicoloiu, Alexandra</a> ; <a href="#">Mueller, Alexandra</a> ; <a href="#">Zdr, Ioana</a> ; et al. Conference: IEEE International Ultrasonics Symposium (IUS) Location: Kobe, JAPAN Date: OCT 22-25, 2018 Sponsor(s): IEEE 2018 IEEE INTERNATIONAL ULTRASONICS SYMPOSIUM (IUS) Book Series: IEEE International Ultrasonics Symposium Published: 2018	<a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=29&amp;SID=D1AOXe2QyP5gRwfSb5U&amp;page=1&amp;doc=7">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=29&amp;SID=D1AOXe2QyP5gRwfSb5U&amp;page=1&amp;doc=7</a> <b>0</b>
12.9		<i>Piezoelectric Sensors Operating at Very High Temperatures and in Extreme Environments Made of Flexible Ultrawide-Bandgap Single-Crystalline AlN Thin Films</i> By: <a href="#">Kim, NI</a> ; <a href="#">Yarali, M</a> ; <a href="#">Moradnia, M</a> ; <a href="#">Aqib, M</a> ; <a href="#">Liao,</a>	<a href="#">Piezoelectric Sensors Operating at Very High Temperatures and in Extreme</a>

	<p><a href="#">CH</a>; <a href="#">AlQatari, F</a>; <a href="#">Nong, MT</a>; <a href="#">Li, XH</a>; <a href="#">Ryou, JH</a>, [6]  <b>ADVANCED FUNCTIONAL MATERIALS</b>  DOI10.1002/adfm.202212538  Early Access DEC 2022  Indexed 2023-01-21</p>	<p><a href="#">Environments Made of Flexible Ultrawide-Bandgap Single-Crystalline AlN Thin Films</a>-  Web of Science Core Collection  <b>19.924</b></p>
12.10	<p><a href="#">Comparative Studies of c- and m-Plane AlN Seeds Grown by Physical Vapor Transport</a>  <a href="#">Yao, XG</a>; <a href="#">Kong, Z</a>; (...); <a href="#">Hao, XP</a>  Dec 2022 /  <b>MATERIALS</b> 15 (24)</p>	<p><a href="#">Comparative Studies of c- and m-Plane AlN Seeds Grown by Physical Vapor Transport</a>-  Web of Science Core Collection  <b>3.748</b></p>
12.11	<p><a href="#">Thermodynamic and density functional theory study the removal of different forms of gas arsenic by using aluminum nitride nanotube</a>  <a href="#">Liu, Q</a>; <a href="#">Wang, JL</a>; (...); <a href="#">Sarkar, A</a>  Dec 1 2022 / Aug 2022 (Early Access) /  <b>FUEL</b> 329</p>	<p><a href="#">Citations of Mechanical, Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure – 26</a> –  Web of Science Core Collection  <b>8.035</b></p>
12.12	<p><a href="#">Structure and Electrochemical Behavior of AlN, AlTiN, and AlTiSiN Physical Vapor Deposition Coatings in 3% NaCl Solution</a>  <a href="#">Kameneva, A</a>; <a href="#">Kichigin, V</a> and <a href="#">Bublik, N</a>  May 2022 (Early Access) /  <b>JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE</b></p>	<p><a href="#">Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure – 26</a> –  Web of Science Core Collection  <b>2.036</b></p>
12.13	<p><a href="#">Electrochemical and In Vitro Biological Evaluation of Bio-Active Coatings Deposited by Magnetron Sputtering onto Biocompatible Mg-0.8Ca Alloy</a>  <a href="#">Bita, AI</a>; <a href="#">Antoniac, I</a>; (...); <a href="#">Forna, N</a>  May 2022 /  <b>MATERIALS</b> 15 (9)</p>	<p><a href="#">Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure – 26</a> –  Web of Science Core Collection  <b>3.748</b></p>



12.14	<p><a href="#">Simulation and investigation of MEMS bilayer solar energy harvester for smart wireless sensor applications</a>  <a href="#">Ram, GD; Kumar, SP; (...); Balasubramanian, K</a>  Aug 2022 / Feb 2022 (Early Access) /  <a href="#">SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS</a> 52</p>	<p><a href="#">Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure – 26 – Web of Science Core Collection</a>  <b>7.632</b></p>
12.15	<p><a href="#">Application of aluminum nitride nanotubes as a promising nanocarriers for anticancer drug 5-aminosalicylic acid in drug delivery system</a>  <a href="#">Saleh, RO; Bokov, DO; (...); Cao, Y</a>  Apr 15 2022 / Feb 2022 (Early Access) /  <a href="#">JOURNAL OF MOLECULAR LIQUIDS</a> 352</p>	<p><a href="#">Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure – 26 – Web of Science Core Collection</a>  <b>6.633</b></p>
12.16	<p><a href="#">New solutions for combatting implant bacterial infection based on silver nano-dispersed and gallium incorporated phosphate bioactive glass sputtered films: A preliminary study</a>  <a href="#">Stuart, BW; Stan, GE; (...); Grant, DM</a>  Feb 2022 /  <a href="#">BIOACTIVE MATERIALS</a> 8 , pp.325-340</p>	<p><a href="#">Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure – 26 – Web of Science Core Collection</a>  <b>16.874</b></p>
12.17	<p><a href="#">Thermal plasma arc discharge method for high-yield production of hexagonal AlN nanoparticles: synthesis and characterization</a>  <a href="#">Kumaresan, L; Shanmugavelayutham, G; (...); Sim, U</a>  May 2022 / Jan 2022 (Early Access) /  <a href="#">JOURNAL OF THE KOREAN CERAMIC SOCIETY</a> 59 (3) , pp.338-349</p>	<p><a href="#">Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure – 26 – Web of Science Core Collection</a>  <b>2.506</b></p>
12.18	<p><a href="#">Interfacial adhesion strength of III-N heterostructures</a>  <a href="#">Walter, T; Zareghomsheh, M; (...); Schwarz, S</a>  Jan 2022 / Dec 2021 (Early Access) /  <a href="#">MATERIALS &amp; DESIGN</a> 213</p>	<p><a href="#">Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with</a></p>

			<a href="#">Dissimilar Nanostructure – 26 – Web of Science Core Collection</a> <b>9.417</b>
12.19		<a href="#">Electronic and magnetic properties of V- and Cr-doped zinc-blende AlN</a> <a href="#">El-Achari, T; Goumrhar, F; (...); Laamara, RA</a> Dec 1 2021   <a href="#">COMMUNICATIONS IN THEORETICAL PHYSICS</a> 73 (12)	<a href="#">Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure – 26 – Web of Science Core Collection</a> <b>2.877</b>
12.20		<a href="#">Amorphous AlN films grown by ALD from trimethylaluminum and monomethylhydrazine</a> <a href="#">Parkhomenko, RG; De Luca, O; (...); Knez, M</a> Nov 2 2021   Sep 2021 (Early Access)   <a href="#">DALTON TRANSACTIONS</a> 50 (42), pp.15062-15070	<a href="#">Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure – 26 – Web of Science Core Collection</a> <b>4.569</b>
12.21		<a href="#">The Behavior of Gold Metallized AlN/Si- and AlN/Glass-Based SAW Structures as Temperature Sensors</a> <a href="#">Nicoloiu, A; Stan, GE; (...); Muller, A</a> May 2021   <a href="#">IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL</a> 68 (5), pp.1938-1948	<a href="#">Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure – 26 – Web of Science Core Collection</a> <b>3.267</b>
12.22		<a href="#">Phosphate bioglass thin-films: Cross-area uniformity, structure and biological performance tailored by the simple modification of magnetron sputtering gas pressure</a> <a href="#">Tite, T; Popa, AC; (...); Stan, GE</a> Mar 1 2021   <a href="#">APPLIED SURFACE SCIENCE</a> 541	<a href="#">Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure – 26 – Web of Science Core Collection</a> <b>7.392</b>
12.23		<a href="#">A Review: Electrode and Packaging Materials for Neurophysiology Recording Implants</a>	<a href="#">Corrosion and Biological</a>

		<a href="#">Yang, WY; Gong, Y and Li, W</a> Jan 14 2021 / <a href="#">FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY</a> 8	<a href="#">Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure – 26 – Web of Science Core Collection</a> <b>6.064</b>
12.24		<a href="#">The Beneficial Mechanical and Biological Outcomes of Thin Copper-Gallium Doped Silica-Rich Bio-Active Glass Implant-Type Coatings</a> <a href="#">Stan, GE; Tite, T; (...); Ferreira, JMF</a> Nov 2020 / <a href="#">COATINGS</a> 10 (11)	<a href="#">Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure – 26 – Web of Science Core Collection</a> <b>3.236</b>
12.25		<a href="#">2D-Modeling for the temperature-composition dependent thermal-conductivity of Al<sub>m</sub>N<sub>n</sub> compounded semiconductor materials</a> <a href="#">Xu, YA; Rana, M and Tanzy, M</a> Jun 2020 / <a href="#">MATERIALS RESEARCH EXPRESS</a> 7 (6)	<a href="#">Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure – 26 – Web of Science Core Collection</a> <b>2.025</b>
12.26		<a href="#">A systematic review of magnetron sputtering of AlN thin films for extreme condition sensing</a> <a href="#">Mwema, FM; Akinlabi, ET and Oladijo, OP</a> <a href="#">10th International Conference of Materials Processing and Characterization (ICMPC)</a> 2020 / <a href="#">MATERIALS TODAY-PROCEEDINGS</a> 26 , pp.1546-1550	<a href="#">Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure – 26 – Web of Science Core Collection</a> <b>0</b>
			$\sum$ FI articol 12= <b>162.502</b> C1 articol 12= <b>26</b> C articol 12= <b>188.502</b>
13.1	<a href="#">AUSTENITIC STAINLESS STEEL TYPE AISI 316L CORROSIVE BEHAVIOUR IN HAIR SHAMPOO MEDIUM</a> By: <a href="#">Ripeanu, R. G.</a> ; <a href="#">Ispas, V.</a> ; <a href="#">Ispas, D.</a> <a href="#">JOURNAL OF THE BALKAN</a>	<a href="#">PERFORMANCE STUDY OF MEDIUM CARBON STEEL AND AUSTENITIC STAINLESS STEEL JOINTS: FRICTION WELDING PROCESS</a> By: <a href="#">Mathiazhagan, N.</a> ; <a href="#">Kumar, T. Senthil</a> ; <a href="#">Balasubramanian, V.</a> ; et al. <a href="#">OXIDATION COMMUNICATIONS</a> Volume: 38 Issue: 4A Special Issue: SI Pages: 2123-2134 Published: 2015	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=71&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cache">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=71&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cache</a>

	TRIBOLOGICAL ASSOCIATION Volume: 18 Issue: 1 Pages: 36-43 Published: 2012		<a href="#">urlFromRightClick=no</a> <b>0.489</b>
13.2		<a href="#">Experimental study regarding the corrosion behaviour of heat exchanger brass tubes in the presence of different aggressive environments</a> <a href="#">Open Access</a> <a href="#">Ramadan, I., Tănase, M. 2021 Applied Engineering Letters 6(3), pp. 124-131</a>	<a href="#">Scopus - 2 documents that cite: Review above applying active anode protection at some dynamic petroleum equipment's in order to reduce wear / Signed in</a> <b>0</b>
			$\sum$ FI articol 13= <b>0.489</b> C1 articol 13= <b>2</b> C articol 13= <b>2.489</b>
14.1	<a href="#">NITRIDING TECHNOLOGIES USING PROCESS SENSORS IN VIEW OF OBTAINING OF RESISTANT LAYERS AGAINST CORROSION AND WEAR</a> By: <a href="#">Dragomir, D.</a> ; <a href="#">Cojocaru, M.</a> ; <a href="#">Alexa, M.</a> ; et al. JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 16 Issue: 1 Pages: 80-87 Published: 2010	<a href="#">A COMPARATIVE STUDY OF HARDFACING TECHNOLOGIES APPLIED FOR INCREASING THE WEAR RESISTANCE OF MUD PUMP VALVES</a> By: <a href="#">Iancu, M. B.</a> ; <a href="#">Ulmanu, V.</a> ; <a href="#">Hadar, A.</a> JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 22 Issue: 2 Pages: 1228-1240 Part: 1 Published: 2016	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=90&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=90&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a> <b>0.737</b>
			$\sum$ FI articol 14= <b>0.737</b> C1 articol 14= <b>1</b> C articol 14= <b>1.737</b>
15.1	<a href="#">SOME ASPECTS CONCERNING THE EXPERIMENTAL DETERMINATION METHODOLOGY FOR THE NON-ISOTHERMAL CYCLIC DURABILITY OF THE MACHINE STEELS</a> By: <a href="#">Drumeanu, A. C.</a> ; <a href="#">Antonescu, N. N.</a> ; <a href="#">Ripeanu, R. G.</a> JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 16 Issue: 3 Pages: 315-328 Published: 2010	<a href="#">Tribo-thermal fatigue of the steel used for the forging die construction</a> By: <a href="#">Drumeanu, A. C.</a> Conference: 13th International Conference on Tribology (ROTRIB) Location: Galati, ROMANIA Date: SEP 22-24, 2016 Sponsor(s): Univ Galati, Dunarea Jos; Romanian Tribol Assoc; SC Etansari Grafex SRL; S.C. TOTAL LUBRICANTS ROMANIA S.A.; SC NASDIS Consulting SRL; Nanomechan Inc; SC TECHNO VOLT SRL; SC RO MEGA CONTROL SRL; SC MECRO SYSTEM SRL; Gamax Lab Solut Ltd; SC Sartorom Impex SRL; TTZH Tribologie & Hochtechnologie GmbH; Nanovea Inc; SC HISTERESIS SRL; SC NavGAL PROFESSIONAL TEAM SRL; Ducom Instruments Europe B V; SC BRD Groupe Soc Generale SA 13TH INTERNATIONAL CONFERENCE ON TRIBOLOGY (ROTRIB'16) Book Series: IOP Conference Series- Materials Science and Engineering Volume: 174 Article Number: UNSP 012047 Published: 2017	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=91&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=91&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a> <b>0</b>
15.2		<a href="#">EFFECT OF ULEXITE AND CASHEW ON THE WEAR AND FRICTION CHARACTERISTICS OF AUTOMOTIVE BRAKE PAD</a> By: <a href="#">Sugozu, I.</a> ; <a href="#">Mutlu, I.</a> ; <a href="#">Keskin, A.</a> JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 22 Issue: 1A Special Issue: SI Pages: 566-578 Part: 1 Published: 2016	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=91&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=2&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=91&amp;SID=F2j8Uum72rvh5ItiMx2&amp;page=1&amp;doc=2&amp;cacheurlFromRightClick=no</a> <b>0.737</b>
			$\sum$ FI articol 15= <b>0.737</b> C1 articol 15= <b>2</b> C articol 15= <b>2.737</b>

16.1	<a href="#">METALLIC ELEMENT DESIGN OF TRIBO-THERMAL STRESSED DRY FRICTION COUPLES</a> By: <a href="#">Drumeanu, A. C.</a> ; <a href="#">Ripeanu, R. G.</a> JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 16 Issue: 3 Pages: 362-372 Published: 2010	<a href="#">EFFECT OF ULEXITE AND CASHEW ON THE WEAR AND FRICTION CHARACTERISTICS OF AUTOMOTIVE BRAKE PAD</a> By: <a href="#">Sugozu, I.</a> ; <a href="#">Mutlu, I.</a> ; <a href="#">Keskin, A.</a> JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 22 Issue: 1A Special Issue: SI Pages: 566-578 Part: 1 Published: 2016	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=93&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=93&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a> <b>0.737</b>
			$\Sigma$ FI articol 16= <b>0.737</b> C1 articol 16= <b>1</b> C articol 16= <b>1.737</b>
17.1	<a href="#">TRIBOLOGICAL BEHAVIOUR OF TiSiN/Ti AND TiSiN/Cu MULTILAYER COATINGS</a> By: <a href="#">Tudor, I.</a> ; <a href="#">Popescu, A.</a> ; <a href="#">Ripeanu, R. G.</a> ; et al. JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 15 Issue: 2 Pages: 156-162 Published: 2009	<a href="#">CONSIDERATIONS ON THE WEARING OF CUTTING TOOLS MADE OF SYNTHESIZED METALLIC CARBIDES</a> By: <a href="#">Nae, I.</a> ; <a href="#">Ionescu, G. Cristina</a> ; <a href="#">Ionescu, O. Narcis</a> ; et al. JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 22 Issue: 1A Special Issue: SI Pages: 592-604 Part: 1 Published: 2016	<a href="https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=119&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps.webofknowledge.com/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=119&amp;SID=F2j8Uum72rvh5ltiMx2&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a> <b>0.737</b>
17.2		<a href="#">Influence of Ti, Zr or Nb carbide adhesion layers on the adhesion, corrosion resistance and cell proliferation of titania doped hydroxyapatite to the Ti6Al4V alloy substrate, utilizable for orthopaedic implants</a> <i>Vladescu, A., Pruna, V., Kulesza, S., (...), Dinu, M., Braic, M. 2019 Ceramics International 45(2), pp. 1710-1723</i>	<a href="https://apps.webofknowledge.com/CitingArticles.do?product=WOS&amp;SID=E4mx14v9M77F6uOfsFX&amp;search_mode=CitingArticles&amp;parentProduct=WOS&amp;parentOid=1&amp;parentDoc=23&amp;REFID=268045961&amp;logEventUT=WOS:000268739400002&amp;excludeEventConfig=ExcludeIfFromNonInterProduct">https://apps.webofknowledge.com/CitingArticles.do?product=WOS&amp;SID=E4mx14v9M77F6uOfsFX&amp;search_mode=CitingArticles&amp;parentProduct=WOS&amp;parentOid=1&amp;parentDoc=23&amp;REFID=268045961&amp;logEventUT=WOS:000268739400002&amp;excludeEventConfig=ExcludeIfFromNonInterProduct</a> <b>5.532</b>
17.3		<a href="#">Deposition temperature effect on sputtered hydroxyapatite coatings prepared on AZ31B alloy substrate</a> <a href="#">Parau, AC; Cotrut, CM; (...); Vladescu, A</a> Apr 15 2022   Mar 2022 (Early Access)   CERAMICS INTERNATIONAL 48 (8) , pp.10486-10497	<a href="#">Deposition temperature effect on sputtered hydroxyapatite coatings prepared on AZ31B alloy substrate-Web of Science Core Collection</a> <b>5.532</b>
			$\Sigma$ FI articol 17= <b>11.801</b> C1 articol 17= <b>3</b> C articol 17= <b>14.801</b>
18.1	<a href="#">CORROSIVITY OF SOME LUBRICATING SOLUTIONS BASED ON ORGANIC POLYMERS</a>	<a href="#">STUDY ON INFLUENCE FACTORS OF THE TRIBOLOGICAL PROPERTY OF POLYTETRAFLUOROETHYLENE (PTFE) FILLED WITH CARBON FIBER</a>	<a href="https://www.scopus.com/authid/detail.uri?authorId=24067665900">https://www.scopus.com/authid/detail.uri?authorId=24067665900</a> ; <a href="http://scibulcom.net/">http://scibulcom.net/</a>

	<a href="#">By: Drumeanu, A. C.; Ripeanu, R. G. Journal of the Balkan Tribological Association Volume: 21 Issue: 1 Pages: 211-221 Published: 2015</a>	<a href="#">By: Tian S; Zhou Z JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 22 Issue: 4 Pages: 3836-3843 Part: 1 Published: 2016</a>	<b>0</b>
18.2		<a href="#">TRIBOLOGICAL PROPERTIES OF POLYMER MATERIALS IN CONSTRUCTION ENGINEERING</a> <a href="#">By: Chunyan Y JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION Volume: 22 Issue: 4 Pages: 3870-3875 Part: 1 Published: 2016</a>	<a href="https://www.scopus.com/authid/detail.uri?authorId=24067665900">https://www.scopus.com/authid/detail.uri?authorId=24067665900</a> ; <a href="http://scibulcom.net/">http://scibulcom.net/</a> <b>0</b>
			$\Sigma$ FI articol 18= <b>0</b> C1 articol 18= <b>2</b> C articol 18= <b>2</b>
19.1	<a href="#">Review above Applying Active Anode Protection at Some Dynamic Petroleum Equipment's in Order to Reduce Wear</a> <a href="#">By: Ripeanu, Razvan George; Ispas, Vasile; Ispas, Dorina</a>	<a href="#">SYNTHESIS CHARACTERIZATION AND APPLICATION BY HVOF OF A WCCO/CR/NICR NANOCOMPOSITE A PROTECTIVE COATING AGAINST EROSION WEAR</a> <a href="#">By: Giaglianoni W. C.; Cunha M.A; Bergmann C.P; Fragassa C; Pavlovic A Tribology in Industry Volume: 40 Issue: 3 Pages: 477-487 Published: 2018 DOI: 10.24874/ti.2018.40.03.1</a>	<a href="http://www.tribology.rs/journals/2018/2018-3/13.pdf">http://www.tribology.rs/journals/2018/2018-3/13.pdf</a> <b>0</b>
19.2	<a href="#">FME TRANSACTIONS Volume: 43 Issue: 3 Pages: 198-205 Published: 2015</a>	<a href="#">Experimental study regarding the corrosion behaviour of heat exchanger brass tubes in the presence of different aggressive environments</a> <a href="#">Open Access Ramadan, I., Tănase, M. 2021 Applied Engineering Letters 6(3), pp. 124-131</a>	<i>Scopus - 2 documents that cite: Review above applying active anode protection at some dynamic petroleum equipment's in order to reduce wear / Signed in</i> <b>0</b>
			$\Sigma$ FI articol 19= <b>0</b> C1 articol 19= <b>2</b> C articol 19= <b>2</b>
20.1	<a href="#">Theoretical and Experimental Studies on the Cut Zone Generated by AWJ Process</a> <a href="#">By: Patirnac, I ; Ripeanu, RG; Ramadan, IN FME TRANSACTIONS Volume 49 Issue 4 Page 997-1004 DOI 10.5937/fme2104997P Published 2021 Indexed 2022-01-07</a>	<a href="#">On Some Important Quantities the Differential Pneumatic Comparator</a> <a href="#">Burazer, JM; Skoko, DM; (...); Januzovic, MB 2022   FME TRANSACTIONS 50 (4) , pp.693-700</a>	On Some Important Quantities the Differential Pneumatic Comparator-Web of Science Core Collection <b>0</b>
			$\Sigma$ FI articol 20= <b>0</b> C1 articol 20= <b>1</b> C articol 20= <b>1</b>
21.1	<a href="#">Erosion modelling: a systematic review of available models and equations</a> <a href="#">By: Lospa, AM; Ripeanu, RG ; Dinita, A Book Group Author: IOP</a>	<a href="#">Erosion under turbulent flow: a CFD-based simulation of near-wall turbulent impacts with experimental validation</a> <a href="#">Espinoza-Jara, A; Walczak, M; (...); Brevis, W Dec 31 2022   ENGINEERING APPLICATIONS OF COMPUTATIONAL FLUID MECHANICS 16 (1) , pp.1526-1545</a>	<i>Erosion under turbulent flow: a CFD-based simulation of near-wall turbulent impacts with experimental validation-Web of Science Core Collection</i>

	<a href="#">INTERNATIONAL CONFERENCE ON TRIBOLOGY (ROTRIB'19) Book Series IOP Conference Series- Materials Science and Engineering Volume724 Article Number 012037 DOI 10.1088/1757-899X/724/1/012037 Published2020</a>		<b>6.519</b>
21.2		<a href="#">CFD modeling of slurry flow erosion wear rate through mitre pipe bend Parkash, O; Kumar, A and Sikarwar, BS Mar 2022   Jan 2022 (Early Access)   PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE 236 (5) , pp.2256-2267</a>	<a href="#">CFD modeling of slurry flow erosion wear rate through mitre pipe bend-Web of Science Core Collection</a> <b>1.758</b>
		$\Sigma$ FI articol 21= 8.277 C1 articol 21= 2 C articol 21= 10.277	
22.1	<a href="#">Abrasive flow modelling through active parts water jet machine using CFD simulation By: Patirnac, I; Ripeanu, RG ; Laudacescu, E INTERNATIONAL CONFERENCE ON TRIBOLOGY (ROTRIB'19) Book Series IOP Conference Series- Materials Science and Engineering Volume 724 Article Number 012001 DOI 10.1088/1757-899X/724/1/012001 Published 2020 Indexed 2021-03-02</a>	<a href="#">Hydrogen–Natural Gas Blending in Distribution Systems— An Energy, Economic, and Environmental Assessment Open Access Neacsa, A., Eparu, C.N., Stoica, D.B. 2022 Energies</a>	<a href="#">Scopus preview - Scopus - 2 documents that cite: Abrasive flow modelling through active parts water jet machine using CFD simulation</a> <b>0</b>
22.2		<a href="#">Orthogonal Experimental Design Based Nozzle Geometry Optimization for the Underwater Abrasive Water Jet Open Access Wang, X., Wu, Y., Jia, P., (...), Li, Z., Wang, L. 2022 Machines</a>	<a href="#">Scopus preview - Scopus - 2 documents that cite: Abrasive flow modelling through active parts water jet machine using CFD simulation</a> <b>0</b>
		$\Sigma$ FI articol 22= 0 C1 articol 22= 2 C articol 22= 2	
23.1	<a href="#">CFD Evaluation of sand erosion wear rate in pipe bends used in technological installations Lospa A.M., Dudu C., Ripeanu R.G., Dinita A. (2019) IOP Conference Series: Materials Science and Engineering, 514 (1) , art. no. 012009</a>	<a href="#">Study on the Erosion of Choke Valves in High-Pressure, High-Temperature Gas Wells Open Access Guo, L., Wang, Y., Xu, X., (...), Yang, H., Han, G. 2022 Processes</a>	<a href="#">Scopus preview - Scopus - 5 documents that cite: CFD Evaluation of sand erosion wear rate in pipe bends used in technological installations</a> <b>3.352</b>
23.2		<a href="#">CFD-DEM analysis of hydraulic conveying bends: Interaction between pipe orientation and flow regime Zhou, M., Kuang, S., Xiao, F., Luo, K., Yu, A. 2021 Powder Technology</a>	<a href="#">Scopus preview - Scopus - 5 documents that cite: CFD Evaluation of sand erosion wear rate in pipe bends used in technological installations</a> <b>5.64</b>
23.3		<a href="#">Numerical simulation prediction of erosion characteristics in a double-suction centrifugal pump</a>	<a href="#">Numerical simulation</a>

		<a href="#">Open Access</a> <a href="#">Song, X., Qi, D., Xu, L., (...), Wang, Z., Liu, Y. 2021</a> <a href="#">Processes</a>	<a href="#">prediction of erosion characteristics in a double-suction centrifugal pump (Title) – 1 – Web of Science Core Collection</a> <b>3.352</b>
23.4		<a href="#">Numerical prediction of erosion based on the solid-liquid two-phase flow in a double-suction centrifugal pump</a> <a href="#">Open Access</a> <a href="#">Song, X., Yao, R., Shen, Y., (...), Du, L., Wang, Z. 2021</a> <a href="#">Journal of Marine Science and Engineering</a>	<a href="#">Numerical Prediction of Erosion Based on the Solid-Liquid Two-Phase Flow in a Double-Suction Centrifugal Pump-Web of Science Core Collection</a> <b>2.744</b>
23.5		<a href="#">Experimental and CFD investigations of 45 and 90 degrees bends and various elbow curvature radii effects on solid particle erosion</a> <a href="#">Bilal, F.S., Sedrez, T.A., Shirazi, S.A. 2021</a> <a href="#">Wear</a>	<a href="#">Experimental and CFD investigations of 45 and 90 degrees bends and various elbow curvature radii effects on solid particle erosion-Web of Science Core Collection</a> <b>4.695</b>
			$\Sigma$ FI articol 23= <b>19.783</b> C1 articol 23= <b>5</b> C articol 23= <b>24.783</b>
24.1	<a href="#">Research on mechanical and geometrical characteristics of materials used for flexible tubing production</a> <a href="#">Hagianu A., Nae I., Ionescu G.C., Ripeanu R.G. (2020) IOP Conference Series: Materials Science and Engineering, 724 (1), art. no. 012004</a>	<a href="#">Calculation of the chain drum with elastic fingers of potato harvesting machines</a> <a href="#">Open Access Bayboboev, N.G., Goyipov, U.G., Tursunov, A.A., Akbarov, Sh.B. 2021</a> <a href="#">IOP Conference Series: Earth and Environmental Science</a>	<a href="#">Scopus preview - Scopus - 2 documents that cite: Research on mechanical and geometrical characteristics of materials used for flexible tubing production</a> <b>0</b>
24.2		<a href="#">Corrosion resistance of steel for coiled tubing units</a> <a href="#">Open Access Syrotyuk, A., Vytyaz, O., Leshchak, R., Ziaia, J. 2021</a> <a href="#">E3S Web of Conferences</a>	<a href="#">Scopus preview - Scopus - 2 documents that cite: Research on mechanical and geometrical characteristics of materials used for flexible tubing production</a>



			0
		$\Sigma$ FI articol 24= 0 C1 articol 24= 2 C articol 24= 2	
25.1	<a href="#">Heat exchanger tube to tube sheet joints corrosion behavior</a> Iancu M., Ripeanu R.G., Tudor I. (2013) Tribology in Industry, 35 (1) , pp. 19-24.	<a href="#">Experimental study regarding the corrosion behaviour of heat exchanger brass tubes in the presence of different aggressive environments</a> Open Access Ramadan, I., Tănase, M. 2021 Applied Engineering Letters	<a href="#">Scopus - 2 documents that cite: Heat exchanger tube to tube sheet joints corrosion behavior / Signed in</a> 0
		$\Sigma$ FI articol 25= 0 C1 articol 25= 1 C articol 25= 1	
<b>Total puncte din citari indicator C:</b> <b>C=115.077+53.282+116.65+120.408+18.631+221.306+10.878+11.961+2.737+5.179+3.564</b> <b>+188.502+2.489+1.737+2.737+1.737+14.801+2+2+1+10.277+2+24.783+2+1=936.736</b>			

1: se consideră numai citările în publicațiile acceptate pentru fiecare domeniu din OM nr. 6129/2016 privind aprobarea standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare.

2: Pentru un articol publicat în revistă se precizează: autorii, titlul lucrării, titlul revistei, anul, volumul, numărul, pagina la care începe articolul și pagina la care se termină articolul (ex. p. 35-42), ISSN.

Pentru un articol publicat în volum se precizează: autorii, titlul lucrării, titlul volumului care include numele manifestării științifice, anul și luna, localitatea, țara, pagina la care începe articolul și pagina la care se termină articolul (ex. p. 35-42), ISSN/ISBN.

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**OBS:** Nu am inclus decât o parte din citările din baza de date SCOPUS <https://www.scopus.com/authid/detail.uri?authorId=24067665900> și nici toate citările din WOS. Factorii de impact WOS sunt cei de la data completării februarie 2023 (din 2022 pentru 2021) <http://www.researcherid.com/rid/F-8806-2010> . Nu s-au introdus la citari toate articolele.

03.02.2023

**Prof.dr.ing.habil. Răzvan George Rîpeanu**

