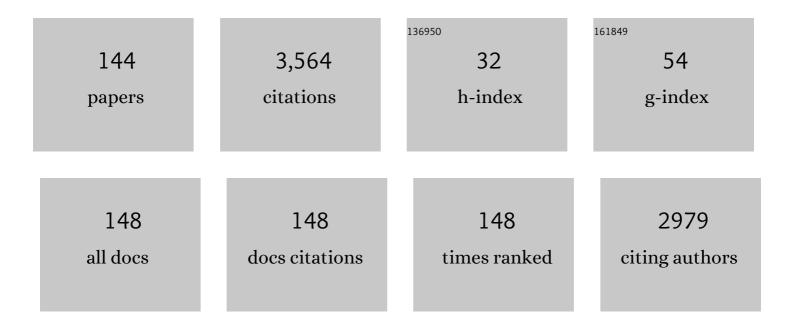
Huseyin Cimenoglu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7143737/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Characteristics of silver-containing titanium-based coating after thermal oxidation. Surface Innovations, 2022, 10, 140-149.	2.3	2
2	Hydrothermal treatment of the silver-incorporated MAO coated Ti6Al7Nb alloy. Surface Innovations, 2022, 10, 252-262.	2.3	4
3	Titania coating formation on hydrostatically extruded pure titanium by micro-arc oxidation method. Journal of Materials Science and Technology, 2022, 111, 224-235.	10.7	4
4	Surface degradation of nitrided hot work tool steels under repeated impact-sliding contacts: Effect of compound layer. Wear, 2022, 498-499, 204300.	3.1	2
5	Thermal oxidation of a porous Ti 23Nb alloy for wear related biomedical applications: Effect of oxidation duration. Surface and Coatings Technology, 2022, 439, 128429.	4.8	5
6	Low Friction and High Wear Resistance of Plasma Electrolytic Oxidation (PEO)-Coated AZ31 Mg Alloy Sliding against Hydrogenated DLC (a-C-H) at Elevated Temperatures. Coatings, 2022, 12, 607.	2.6	1
7	Effect of Co Addition on the Creep Rupture Properties of 9Cr-1.8W-xCo Weld Metals. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 129-142.	2.2	5
8	A study to enhance the mechanical durability of the MAO coating fabricated on the 7075 Al alloy for wear-related high temperature applications. Surface and Coatings Technology, 2021, 409, 126843.	4.8	16
9	Room and High Temperature Sliding Wear Characteristics of Laser Surface Melted Stellite 6 and Mo-Alloyed Stellite 6 Hardfacings. Journal of Materials Engineering and Performance, 2021, 30, 302-311.	2.5	4
10	Thermal oxidation of cold sprayed Ti-5Al-XZn coatings for tribological applications. Materials Letters, 2020, 274, 127959.	2.6	4
11	Role of counterfaces with DLC and N-based coatings on frictional behaviour of AZ31 magnesium alloy subjected to plasma electrolytic oxidation (PEO) process. Surface and Coatings Technology, 2020, 397, 125997.	4.8	8
12	An Investigation on the Longitudinal Cracking of Electric Resistance Welded Steel Pipes. Journal of Failure Analysis and Prevention, 2020, 20, 657-662.	0.9	2
13	Effect of Electron Beam Surface Melting on the Structure and Wear Characteristics of Cobalt-Based Hardfacing and Its Mo-Alloyed Version. Tribology Transactions, 2019, 62, 907-918.	2.0	3
14	Influence of alumina and zirconia incorporations on the structure and wear resistance of titania-based MAO coatings. Surface and Coatings Technology, 2019, 377, 124900.	4.8	47
15	Effect of electron beam surface melting on the microstructure and wear behavior of Stellite 12 hardfacing. Industrial Lubrication and Tribology, 2019, 71, 636-641.	1.3	5
16	Impact-Sliding Wear Behaviour of Nitrided H13 Steel Tool Steels. Key Engineering Materials, 2019, 813, 417-422.	0.4	1
17	High-Temperature Oxidation of Stellite 12 Hardfacings: Effect of Mo on Characteristics of Oxide Scale. Journal of Materials Engineering and Performance, 2019, 28, 463-474.	2.5	10
18	Annealing ambient effect on electrical properties of ZnO:Al/p-Si heterojunctions. Superlattices and Microstructures, 2019, 125, 81-87.	3.1	15

#	Article	IF	CITATIONS
19	Development of corrosion and wear resistant micro-arc oxidation coating on a magnesium alloy. Surface and Coatings Technology, 2019, 357, 822-832.	4.8	85
20	A novel fabrication method for a TiO ₂ layer over CoCr alloy. Surface Engineering, 2019, 35, 234-241.	2.2	8
21	The Growth and Structural Characterization in Sol–Gel Derived CuIn _{1–<i>x</i>} Ga _{<i>x</i>} Se ₂ Thin Films by Controlling pH-Value. Journal of Nanoelectronics and Optoelectronics, 2019, 14, 1230-1236.	0.5	1
22	Enhanced wear resistance of Stellite 12 by Mo addition and LSM. Surface Engineering, 2018, 34, 569-576.	2.2	7
23	Modification of M2 hardfacing: Effect of molybdenum alloying and laser surface melting on microstructure and wear performance. Wear, 2018, 404-405, 111-121.	3.1	28
24	Optimisation of micro-arc oxidation electrolyte for fabrication of antibacterial coating on titanium. Materials Technology, 2018, 33, 119-126.	3.0	30
25	Laser surface melting of 10†wt% Mo alloyed hardfacing Stellite 12 plasma transferred arc deposits: Structural evolution and high temperature wear performance. Optics and Laser Technology, 2018, 101, 404-412.	4.6	18
26	The Examination of the Changes in the Magnetic Properties of the Poly(methyl methacrylate). Journal of Physics: Conference Series, 2018, 1123, 012005.	0.4	3
27	Nanotribological characteristics of laser surface melted Stellite 12+Mo hardfacing. Industrial Lubrication and Tribology, 2018, 72, 233-241.	1.3	2
28	Thermal Oxidation of Cold Sprayed Titanium-Based Coating Deposited on Co-Cr Alloy. Journal of Thermal Spray Technology, 2018, 27, 1414-1427.	3.1	5
29	Surface modification of Ti6Al4V by micro-arc oxidation in AgC ₂ H ₃ O ₂ -containing electrolyte. Surface Innovations, 2018, 6, 277-285.	2.3	23
30	Influence of Mo on the high temperature wear performance of NiCrBSi hardfacings. Tribology International, 2018, 127, 288-295.	5.9	32
31	Characteristics of Ti6Al4V Powders Recycled from Turnings via the HDH Technique. Metals, 2018, 8, 336.	2.3	13
32	The effect of SiC reinforcement on tribological behaviour of cold sprayed coatings in water. Tribology - Materials, Surfaces and Interfaces, 2017, 11, 14-18.	1.4	1
33	Influence of electrolyte composition on microstructure, adhesion and bioactivity of micro-arc oxidation coatings produced on biomedical Ti6Al7Nb alloy. Surface and Coatings Technology, 2017, 321, 97-107.	4.8	40
34	Influence of laser surface melting on the characteristics of Stellite 12 plasma transferred arc hardfacing deposit. Surface and Coatings Technology, 2017, 317, 110-116.	4.8	21
35	Tribology of SiCp reinforced Al-12Si matrix composite coatings in water. Tribology International, 2017, 110, 392-400.	5.9	8
36	Fabrication of oxide layer on zirconium by micro-arc oxidation: Structural and antimicrobial characteristics. Materials Science and Engineering C, 2017, 71, 565-569.	7.3	33

#	Article	IF	CITATIONS
37	Evaluation of Wear and Corrosion Resistances of Oxide Coatings Formed on Magnesium Alloys by Micro Arc Oxidation. Solid State Phenomena, 2017, 263, 125-130.	0.3	0
38	Failure Analysis of Fencing Blades. Journal of Physics: Conference Series, 2017, 843, 012009.	0.4	1
39	Formation of a corrosion-resistant alumina coating on a 6061 aluminum alloy using a combination of micro-arc oxidation and sealing treatments. Materiali in Tehnologije, 2017, 51, 117-121.	0.5	4
40	Production of microencapsulate glycidyl methacrylate with melamine formaldehyde resin shell materials. AIP Conference Proceedings, 2016, , .	0.4	3
41	The effect of La 2 O 3 on the microstructure and room temperature mechanical properties of t-ZrO 2. Ceramics International, 2016, 42, 9443-9447.	4.8	16
42	Raman spectroscopy characterization of hypo-eutectic CoCrWC alloy tribolayers. Industrial Lubrication and Tribology, 2016, 68, 515-520.	1.3	10
43	Characteristics of multi-layer coatings synthesized on Ti6Al4V alloy by micro-arc oxidation in silver nitrate added electrolytes. Surface and Coatings Technology, 2016, 307, 308-315.	4.8	39
44	Structural Changes on the Surface of Alloy Ti6Al7Nb Under Gas Nitriding. Metal Science and Heat Treatment, 2016, 58, 170-174.	0.6	12
45	Effect of sintering techniques on the microstructure and mechanical properties of niobium borides. Journal of the European Ceramic Society, 2016, 36, 3113-3123.	5.7	19
46	Effect of reinforcement and heat treatment on elevated temperature sliding of electroless Ni–P/SiC composite coatings. Tribology International, 2016, 97, 265-271.	5.9	47
47	Copper matrix composite coatings produced by cold spraying process for electrical applications. Archives of Civil and Mechanical Engineering, 2016, 16, 344-350.	3.8	37
48	Characterisation of CoB–Co ₂ B coatings by the scratch test. Surface Engineering, 2016, 32, 570-577.	2.2	25
49	Synthesis of zirconiaâ€incorporated titania layer by microarc oxidation for biomedical applications. Surface and Interface Analysis, 2015, 47, 1166-1173.	1.8	9
50	The characterization of optical properties of beta irradiated ZnO:Al thin film. Journal of Optics (India), 2015, 44, 233-239.	1.7	4
51	Micro-scratch and corrosion behavior of functionally graded HA-TiO2 nanostructured composite coatings fabricated by electrophoretic deposition. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 46, 31-40.	3.1	65
52	Oxidized Titanium. , 2015, , 355-393.		2
53	Characterisation and corrosion behaviour of plasma electrolytic oxidation coatings on high pressure die cast Mg–5Al–0.4Mn–xCe (x=0, 0.5, 1) alloys. Surface and Coatings Technology, 2015, 269, 200-211.	4.8	23
54	Evaluation of the effect of boride layer structure on the high temperature wear behavior of borided steels. Wear, 2015, 328-329, 110-114.	3.1	36

#	Article	IF	CITATIONS
55	Functionally graded HA–TiO2 nanostructured composite coating on Ti–6Al–4V substrate via electrophoretic deposition. Surface and Coatings Technology, 2015, 265, 7-15.	4.8	45
56	Sliding wear characteristics of molybdenum containing Stellite 12 coating at elevated temperatures. Tribology International, 2015, 91, 40-47.	5.9	56
57	The Optical Properties of CIGS Thin Films Derived by Sol-gel Dip Coating Process at Different Withdrawal Speed. Procedia, Social and Behavioral Sciences, 2015, 195, 1762-1767.	0.5	10
58	Characteristics of multi-layer coating formed on commercially pure titanium for biomedical applications. Materials Science and Engineering C, 2015, 48, 579-585.	7.3	62
59	Fabrication and characterization of nano-HA-45S5 bioglass composite coatings on calcium-phosphate containing micro-arc oxidized CP-Ti substrates. Applied Surface Science, 2015, 324, 765-774.	6.1	30
60	The Characteristic Behaviors of Solgel-Derived CICS Thin Films Exposed to the Specific Environmental Conditions. Springer Proceedings in Energy, 2015, , 179-191.	0.3	1
61	Microstructure and Tribological Properties of PTA Deposited Stellite 12 Coating on Steel Substrate. Manufacturing Science and Technology, 2015, 3, 224-228.	0.1	4
62	Effects of Production Parameters on Characteristic Properties of Cu(In,Ga)Se2 Thin Film Derived by Solgel Process. Springer Proceedings in Energy, 2015, , 199-207.	0.3	2
63	Irradiation Effect on Ta ₂ O ₅ Thin Films. Defect and Diffusion Forum, 2014, 353, 205-210.	0.4	0
64	The boriding process in CoCrMo alloy: Fracture toughness in cobalt boride coatings. Surface and Coatings Technology, 2014, 260, 362-368.	4.8	38
65	Wear and corrosion characteristics of novel alumina coatings produced by micro arc oxidation on AZ91D magnesium alloy. Surface and Coatings Technology, 2014, 258, 168-173.	4.8	30
66	Tribological Properties of CrN Coated H13 Grade Tool Steel. Journal of Iron and Steel Research International, 2014, 21, 240-245.	2.8	10
67	High temperature tribological behaviour of borided surfaces based on the phase structure of the boride layer. Wear, 2014, 309, 152-158.	3.1	60
68	A study of indentation for mechanical characterization of the Fe2B layer. Surface and Coatings Technology, 2013, 232, 173-181.	4.8	30
69	The improvement in the electrical properties of nanospherical ZnO:Al thin film exposed to irradiation using a Co-60 radioisotope. Radiation Physics and Chemistry, 2013, 89, 20-27.	2.8	47
70	Growth kinetics and mechanical properties of boride layers formed at the surface of the ASTM F-75 biomedical alloy. Surface and Coatings Technology, 2013, 237, 402-414.	4.8	72
71	Fatigue performance of low temperature nitrided AISI 321 grade austenitic stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 565, 38-43.	5.6	18
72	Characteristics and Wear Performance of Nitrided Ti6Al4V. Defect and Diffusion Forum, 2012, 326-328, 494-497.	0.4	0

#	Article	IF	CITATIONS
73	Investigation into mechanical properties of high strength steel plates welded with low temperature transformation (LTT) electrodes. International Journal of Surface Science and Engineering, 2012, 6, 157.	0.4	6
74	Effect of annealing temperature on ZnO:Al/p-Si heterojunctions. Thin Solid Films, 2012, 520, 5790-5796.	1.8	27
75	Synthesis, microstructure, and mechanical properties of WC–TiC–Co ceramic composites. Journal of the European Ceramic Society, 2012, 32, 1427-1433.	5.7	22
76	ZnO:Al thin films used in ZnO: Al/p-Si heterojunctions. Journal of Sol-Gel Science and Technology, 2012, 61, 620-627.	2.4	18
77	Service Life Estimation for a Reformer Tube against Creep Dominated Failure. Materialpruefung/Materials Testing, 2012, 54, 49-52.	2.2	1
78	Micro-arc oxidation of Ti6Al4V and Ti6Al7Nb alloys for biomedical applications. Materials Characterization, 2011, 62, 304-311.	4.4	101
79	Characterization of thermally oxidized Ti6Al7Nb alloy for biological applications. Metals and Materials International, 2011, 17, 765-770.	3.4	21
80	Improvement of surface properties of titanium-based implants with micro-arc method. Journal of Biomechanics, 2011, 44, 13.	2.1	41
81	Determination of Gamma Transmittance and Density Assessment for Al Doped ZnO Thin Films by Using Gamma Transmission Technique. Defect and Diffusion Forum, 2011, 312-315, 830-835.	0.4	3
82	Diffusion model for growth of Fe ₂ B layer in pure iron. Surface Engineering, 2011, 27, 189-195.	2.2	52
83	Electromagnetic Radiation Effect on ZnO Nanocrystallites. Defect and Diffusion Forum, 2011, 312-315, 836-841.	0.4	4
84	ZrC particle reinforced Al–4wt.% Cu alloy composites fabricated by mechanical alloying and vacuum hot pressing: Microstructural evaluation and mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 5930-5938.	5.6	34
85	Air Oxidation Behaviour of a Ti-6Al-7Nb Alloy. Defect and Diffusion Forum, 2010, 297-301, 1389-1394.	0.4	3
86	Oxidation of Ti–6Al–4V alloy. Journal of Alloys and Compounds, 2009, 472, 241-246.	5.5	267
87	Characteristics and wear performance of borided Ti6Al4V alloy. Surface and Coatings Technology, 2008, 202, 4583-4590.	4.8	118
88	Improved Resistance to Stress-Corrosion-Cracking Failures via Optimized Retrogression and Reaging of 7075-T6 Aluminum Sheets. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 2470-2476.	2.2	29
89	Tribological behavior of squeeze cast aluminum matrix composites. Wear, 2008, 265, 645-654.	3.1	62
90	The Effect of Matrix on the Mechanical Properties of Squeeze Cast Al - 50 % SiC _p Composites. Materials Science Forum, 2007, 561-565, 791-794.	0.3	0

#	Article	IF	CITATIONS
91	High Cycle Fatigue Behavior of Thermally Oxidized Ti6Al4V Alloy. Materials Science Forum, 2007, 561-565, 2179-2182.	0.3	6
92	Dry sliding wear behaviour of Fe–0.4C–25Cr–XNi cast steels. Wear, 2006, 261, 338-346.	3.1	10
93	Wear behaviour of Al/(Al2O3p+SiCp) hybrid composites. Tribology International, 2006, 39, 213-220.	5.9	96
94	Sliding wear behaviour of ZrN and (Zr, 12wt% Hf)N coatings. Tribology International, 2006, 39, 297-302.	5.9	27
95	The recrystallization and thermal oxidation behavior of CP-titanium. Materials Science and Engineering C, 2006, 26, 1367-1372.	7.3	30
96	Residual stresses in (Zr,Hf)N films (up to 11.9 at.% Hf) measured by X-ray diffraction using experimentally calculated XECs. Surface and Coatings Technology, 2005, 191, 188-194.	4.8	17
97	Surface modification of a Ti–6Al–4V alloy by thermal oxidation. Surface and Coatings Technology, 2005, 192, 164-170.	4.8	173
98	High temperature abrasive wear behavior of an as-cast ductile iron. Wear, 2005, 258, 189-193.	3.1	32
99	Wear behaviour of 7039 aluminum alloy. Materials Characterization, 2005, 54, 263-269.	4.4	38
100	Wear behavior of as-deposited and oxidized ternary (Zr,Hf)N coatings. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2005, 36, 2793-2800.	2.2	3
101	Tribological Behaviour of Combined Coatings Deposited on Aluminium. Key Engineering Materials, 2005, 280-283, 1453-1458.	0.4	4
102	Effect of Oxidation on the Wear Behavior of a ZrN Coating. Key Engineering Materials, 2005, 280-283, 1459-1462.	0.4	2
103	The Influence of Microstructural Features and Mechanical Properties on the Cold Formability of Ferritic Steel Sheets. ISIJ International, 2004, 44, 422-428.	1.4	10
104	The Effect of Oxide Addition on the Wear Performance of the Alumina Based Nozzles. Key Engineering Materials, 2004, 264-268, 805-808.	0.4	0
105	The Recrystallization Behaviour of CP-Titanium. Materials Science Forum, 2004, 467-470, 459-464.	0.3	5
106	Tribological Performance of Ceramic Coatings Deposited on Polymer Substrates. Key Engineering Materials, 2004, 264-268, 581-584.	0.4	1
107	Fretting Wear of ZrN and Zr(21% Hf)N Coatings. Key Engineering Materials, 2004, 264-268, 477-480.	0.4	3
108	Influence of retrogression and re-ageing on the mechanical and corrosion properties of 7039 aluminium alloy. International Journal of Materials Research, 2004, 95, 14-17.	0.8	9

#	Article	IF	CITATIONS
109	Wear Behavior of SiC, Cr ₃ C ₂ and WC Doped Alumina. Key Engineering Materials, 2004, 264-268, 469-472.	0.4	1
110	Reciprocating wear behaviour of (Zr, Hf)N coatings. Wear, 2004, 257, 633-639.	3.1	10
111	Mechanical properties of Al-60 Pct SiCp composites alloyed with Mg. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2004, 35, 2127-2141.	2.2	24
112	The corrosion–wear behaviour of thermally oxidised CP-Ti and Ti–6Al–4V. Wear, 2004, 256, 469-479.	3.1	175
113	Abrasive wear behavior and mechanical properties of Al–Si/SiC composites. Wear, 2004, 257, 625-632.	3.1	54
114	A study on sliding wear of a 7075 aluminum alloy. Wear, 2004, 257, 852-861.	3.1	27
115	Effect of thermal oxidation on corrosion and corrosion–wear behaviour of a Ti–6Al–4V alloy. Biomaterials, 2004, 25, 3325-3333.	11.4	236
116	Residual stress estimation of ceramic thin films by X-ray diffraction and indentation techniques. Scripta Materialia, 2003, 48, 1331-1336.	5.2	54
117	Microstructures and wear properties of brass synchroniser rings. Wear, 2003, 254, 532-537.	3.1	44
118	Hardness characterisation of thin Zr(Hf,N) coatings. Surface and Coatings Technology, 2003, 162, 167-173.	4.8	20
119	Effect of Hf addition on the tribological performance of ZrN coatings. Tribology Series, 2003, 41, 309-314.	0.1	0
120	Effect of magnesium addition on wear behaviour of Al–70 vol%Al2O3pcomposites. Materials Science and Technology, 2003, 19, 949-954.	1.6	9
121	High temperature abrasion behaviour of Al/SiCp composites. Tribology Series, 2003, , 637-642.	0.1	1
122	Deformation Induced Surface Roughening of Austenitic Stainless Steels. ISIJ International, 2003, 43, 1795-1798.	1.4	10
123	High Temperature Tensile and Abrasive Wear Characteristics of As-cast Ductile Irons. ISIJ International, 2003, 43, 1274-1279.	1.4	9
124	Effect of the Particle Size on the Mechanical Properties of 60 Vol.% SiC _p Reinforced Al Matrix Composites. International Journal of Materials Research, 2002, 93, 330-333.	0.8	22
125	Abrasive wear behaviour of Al–SiC composites produced by pressure infiltration technique. Wear, 2001, 247, 133-138.	3.1	77
126	The effect of titanium on the abrasion resistance of 15Cr–3Mo white cast iron. Wear, 2001, 247, 231-235.	3.1	35

#	Article	IF	CITATIONS
127	The effect of austempering time on mechanical properties of a ductile iron. Scandinavian Journal of Metallurgy, 2001, 30, 391-395.	0.3	11
128	An energetic approach to abrasive wear of a martensitic stainless steel. Scripta Materialia, 2000, 42, 881-885.	5.2	8
129	The effect of deformation before ageing on the wear resistance of an aluminium alloy. Materials Letters, 1999, 38, 221-226.	2.6	22
130	Subsurface characteristics of an abraded low carbon steel. Wear, 1997, 210, 204-210.	3.1	16
131	Yield effects in as-quenched, dual-phase steels. Scripta Metallurgica Et Materialia, 1990, 24, 2437-2442.	1.0	9
132	The occurrence of yield point after stress relaxation in a plain carbon dual-phase steel. Scripta Metallurgica, 1989, 23, 1543-1547.	1.2	6
133	Low Temperature Nitriding of a Martensitic Stainless Steel. Defect and Diffusion Forum, 0, 312-315, 994-999.	0.4	3
134	Friction and Wear Behaviour of Borided Ti6Al4v Alloy Sliding Against Al ₂ O ₃ and Si ₃ N ₄ Balls in Water. Defect and Diffusion Forum, 0, 312-315, 1004-1009.	0.4	7
135	The Effect of Micro Arc Oxidation Process Parameters on Surface Properties of Ti6Al4v Alloy. Defect and Diffusion Forum, 0, 312-315, 1000-1003.	0.4	1
136	Nitriding of Cp Titanium. Defect and Diffusion Forum, 0, 312-315, 1010-1014.	0.4	1
137	Micro Arc Oxidation of AZ91 Mg Alloy for Improved Corrosion Resistance. Defect and Diffusion Forum, 0, 312-315, 877-881.	0.4	3
138	Surface Characterization of Irradiated Zno:Al Thin Film by Reactor Neutrons. Defect and Diffusion Forum, 0, 334-335, 294-296.	0.4	3
139	Refractive Index and Extinction Coefficient of ZnO:Al Thin Films Derived by Sol-Gel Dip Coating Technique. Defect and Diffusion Forum, 0, 334-335, 290-293.	0.4	12
140	Capacitance-Voltage (C-V) Properties of ZnO:Al/p-Si Heterojunctions. Defect and Diffusion Forum, 0, 334-335, 349-352.	0.4	1
141	Thermochemical Nitriding of Commercial Purity Titanium. Defect and Diffusion Forum, 0, 334-335, 117-121.	0.4	1
142	An Overview on Surface Hardening of Titanium Alloys by Diffusion of Interstitial Atoms. , 0, 4, 103-116.		8
143	An Overview on Silane Based Metal Pretreatments for Powder Painting. , 0, 9, 16-29.		3
144	Microstructural Evolution upon 10-wt% Mo Alloying and Laser Surface Melting of M2 High Speed Steels Hardfacings. Key Engineering Materials, 0, 875, 346-356.	0.4	1