

Pradeep L Menezes

List of Publications by Citations

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154
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4,008
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163
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5,008
ext. citations

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avg, IF

6.35
L-index

#	Paper	IF	Citations
154	Mechanical and tribological properties of self-lubricating metal matrix nanocomposites reinforced by carbon nanotubes (CNTs) and graphene [A review]. <i>Composites Part B: Engineering</i> , 2015 , 77, 402-420	10	563
153	Fiber-Reinforced Polymer Composites: Manufacturing, Properties, and Applications. <i>Polymers</i> , 2019 , 11,	4.5	383
152	State of the art on tribological behavior of polymer matrix composites reinforced with natural fibers in the green materials world 2016 , 19, 717-736		129
151	The influence of fatty acids on tribological and thermal properties of natural oils as sustainable biolubricants. <i>Tribology International</i> , 2015 , 90, 123-134	4.9	122
150	Tribological performance of self-lubricating aluminum matrix nanocomposites: Role of graphene nanoplatelets 2016 , 19, 463-469		99
149	Advanced Metal Matrix Nanocomposites. <i>Metals</i> , 2019 , 9, 330	2.3	96
148	Mechanical, physical and tribological characterization of nano-cellulose fibers reinforced bio-epoxy composites: An attempt to fabricate and scale the GreenWtcomposite. <i>Carbohydrate Polymers</i> , 2016 , 147, 282-293	10.3	93
147	Influence of surface texture and roughness parameters on friction and transfer layer formation during sliding of aluminium pin on steel plate. <i>Wear</i> , 2009 , 267, 1534-1549	3.5	92
146	The Size Effect of Boron Nitride Particles on the Tribological Performance of Biolubricants for Energy Conservation and Sustainability. <i>Tribology Letters</i> , 2013 , 51, 437-452	2.8	87
145	Influence of boric acid additive size on green lubricant performance. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 4851-68	3	87
144	Influences of graphite reinforcement on the tribological properties of self-lubricating aluminum matrix composites for green tribology, sustainability, and energy efficiency [review]. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 83, 325-346	3.2	84
143	Effect of Roughness Parameter and Grinding Angle on Coefficient of Friction When Sliding of AlMg Alloy Over EN8 Steel. <i>Journal of Tribology</i> , 2006 , 128, 697-704	1.8	75
142	Laser surface texturing and related techniques for enhancing tribological performance of engineering materials: A review. <i>Journal of Manufacturing Processes</i> , 2020 , 53, 153-173	5	74
141	Role of Surface Texture, Roughness, and Hardness on Friction During Unidirectional Sliding. <i>Tribology Letters</i> , 2011 , 41, 1-15	2.8	58
140	Experimental and numerical analysis of helical-wedge rolling process for producing steel balls. <i>International Journal of Machine Tools and Manufacture</i> , 2013 , 67, 1-7	9.4	54
139	Study of solid lubrication with MoS ₂ coating in the presence of additives using reciprocating ball-on-flat scratch tester. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2008 , 33, 207-220	1	53
138	Influence of roughness parameters on coefficient of friction under lubricated conditions. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2008 , 33, 181-190	1	52

137	Effect of surface roughness parameters and surface texture on friction and transfer layer formation in tin-steel tribo-system. <i>Journal of Materials Processing Technology</i> , 2008 , 208, 372-382	5.3	52
136	The influence of surface roughness and particulate size on the tribological performance of bio-based multi-functional hybrid lubricants. <i>Tribology International</i> , 2015 , 88, 40-55	4.9	49
135	Influence of surface texture on coefficient of friction and transfer layer formation during sliding of pure magnesium pin on 080 M40 (EN8) steel plate. <i>Wear</i> , 2006 , 261, 578-591	3.5	49
134	Friction and transfer layer formation in polymer-steel tribo-system: Role of surface texture and roughness parameters. <i>Wear</i> , 2011 , 271, 2213-2221	3.5	48
133	Studies on the formation of discontinuous rock fragments during cutting operation. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2014 , 71, 131-142	6	47
132	Studies on friction and transfer layer using inclined scratch. <i>Tribology International</i> , 2006 , 39, 175-183	4.9	41
131	Studies on the formation of discontinuous chips during rock cutting using an explicit finite element model. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 70, 635-648	3.2	40
130	Influence of friction during forming processes— study using a numerical simulation technique. <i>International Journal of Advanced Manufacturing Technology</i> , 2009 , 40, 1067-1076	3.2	40
129	On the effect of surface texture on friction and transfer layer formation—A study using Al and steel pair. <i>Wear</i> , 2008 , 265, 1655-1669	3.5	40
128	Effect of directionality of unidirectional grinding marks on friction and transfer layer formation of Mg on steel using inclined scratch test. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 429, 149-160	5.3	38
127	Evaluation of boron nitride particles on the tribological performance of avocado and canola oil for energy conservation and sustainability. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 89, 3475-3486	3.2	37
126	Friction-based welding processes: friction welding and friction stir welding. <i>Journal of Adhesion Science and Technology</i> , 2020 , 34, 2613-2637	2	35
125	Synthesis and recent advances in tribological applications of graphene. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 97, 3999-4019	3.2	34
124	Study of Friction and Transfer Layer Formation in Copper-Steel Tribo-System: Role of Surface Texture and Roughness Parameters. <i>Tribology Transactions</i> , 2009 , 52, 611-622	1.8	33
123	Surface characterization and tribological performance of laser shock peened steel surfaces. <i>Surface and Coatings Technology</i> , 2018 , 351, 188-197	4.4	32
122	A Review on the Science and Technology of Natural and Synthetic Biolubricants. <i>Journal of Bio- and Tribo-Corrosion</i> , 2017 , 3, 1	2.9	31
121	Plasma Electrolytic Oxidation (PEO) Process-Processing, Properties, and Applications. <i>Nanomaterials</i> , 2021 , 11,	5.4	31
120	Role of surface texture of harder surface on subsurface deformation. <i>Wear</i> , 2009 , 266, 103-109	3.5	29

119	Influence of roughness parameters and surface texture on friction during sliding of pure lead over 080 M40 steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2009 , 43, 731-743	3.2	28
118	Graphene-Reinforced Metal and Polymer Matrix Composites. <i>Jom</i> , 2018 , 70, 829-836	2.1	26
117	Analysis of the Contribution of Adhesion and Hysteresis to Shoe Floor Lubricated Friction in the Boundary Lubrication Regime. <i>Tribology Letters</i> , 2012 , 47, 341-347	2.8	26
116	Surface texturing by indirect laser shock surface patterning for manipulated friction coefficient. <i>Journal of Materials Processing Technology</i> , 2018 , 257, 227-233	5.3	25
115	Tribological study of imidazolium and phosphonium ionic liquid-based lubricants as additives in carboxylic acid-based natural oil: Advancements in environmentally friendly lubricants. <i>Journal of Cleaner Production</i> , 2018 , 176, 241-250	10.3	25
114	Effect of graphite particles on improving tribological properties Al-16Si-5Ni-5Graphite self-lubricating composite under fully flooded and starved lubrication conditions for transportation applications. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 87, 929-939	3.2	24
113	Role of Surface Texture on Friction under Boundary Lubricated Conditions. <i>Tribology Online</i> , 2008 , 3, 12-18	0.9	23
112	Synergistic wear-corrosion analysis and modelling of nanocomposite coatings. <i>Tribology International</i> , 2018 , 121, 30-44	4.9	22
111	Studies on the Tribological Behavior of Natural Fiber Reinforced Polymer Composite. <i>Green Energy and Technology</i> , 2012 , 329-345	0.6	21
110	Effect of Micro- and Nano-Sized Carbonous Solid Lubricants as Oil Additives in Nanofluid on Tribological Properties. <i>Lubricants</i> , 2019 , 7, 25	3.1	20
109	Influence of Die Surface Textures during Metal Forming—A Study Using Experiments and Simulation. <i>Materials and Manufacturing Processes</i> , 2010 , 25, 1030-1039	4.1	20
108	Self-Lubricating Behavior of Graphite Reinforced Metal Matrix Composites. <i>Green Energy and Technology</i> , 2012 , 445-480	0.6	20
107	The role of surface texture on friction and transfer layer formation during repeated sliding of Al/Mg against steel. <i>Wear</i> , 2011 , 271, 1785-1793	3.5	19
106	Effect of Surface Topography on Friction and Transfer Layer during Sliding. <i>Tribology Online</i> , 2008 , 3, 25-30	0.9	19
105	The influence of surface pre-twinning on the friction and wear performance of an AZ31B Mg alloy. <i>Applied Surface Science</i> , 2019 , 480, 998-1007	6.7	18
104	Effect of In-situ Processing Parameters on the Mechanical and Tribological Properties of Self-Lubricating Hybrid Aluminum Nanocomposites. <i>Tribology Letters</i> , 2016 , 62, 1	2.8	18
103	Influence of rock mechanical properties and rake angle on the formation of rock fragments during cutting operation. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 90, 127-139	3.2	17
102	Response of materials as a function of grinding angle on friction and transfer layer formation. <i>International Journal of Advanced Manufacturing Technology</i> , 2010 , 49, 485-495	3.2	17

101	Self-healing and superhydrophobic coatings for corrosion inhibition and protection. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 106, 2119-2131	3.2	17
100	Analysis of Shoe Friction During Sliding Against Floor Material: Role of Fluid Contaminant. <i>Journal of Tribology</i> , 2012 , 134,	1.8	16
99	Peening Techniques for Surface Modification: Processes, Properties, and Applications. <i>Materials</i> , 2021 , 14,	3.5	16
98	Tribology of Solid Lubricants 2013 , 447-494		16
97	Influence of inclination angle of plate on friction, stick-slip and transfer layerA study of magnesium pin sliding against steel plate. <i>Wear</i> , 2009 , 267, 476-484	3.5	14
96	Enhanced corrosion resistance and surface bioactivity of AZ31B Mg alloy by high pressure cold sprayed monolayer Ti and bilayer Ta/Ti coatings in simulated body fluid. <i>Materials Chemistry and Physics</i> , 2020 , 256, 123627	4.4	14
95	Influence of environmental friendly multiphase lubricants on the friction and transfer layer formation during sliding against textured surfaces. <i>Journal of Cleaner Production</i> , 2019 , 209, 1245-1251	10.3	14
94	Friction and Wear 2013 , 43-91		14
93	Advances in triboluminescence and mechanoluminescence. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 19675-19690	2.1	13
92	Supersonic particle deposition as an additive technology: methods, challenges, and applications. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 106, 2079-2099	3.2	13
91	Direct laser shock surface patterning of an AZ31B magnesium alloy: Microstructure evolution and friction performance. <i>Journal of Materials Processing Technology</i> , 2020 , 275, 116333	5.3	13
90	A Brief Review of Fly Ash as Reinforcement for Composites with Improved Mechanical and Tribological Properties. <i>Jom</i> , 2020 , 72, 2340-2351	2.1	13
89	Influence of cutter velocity, friction coefficient and rake angle on the formation of discontinuous rock fragments during rock cutting process. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 90, 3811-3827	3.2	12
88	Tribological Performance of Environmentally Friendly Ionic Liquid Lubricants 2012 ,		12
87	Tribological Properties of Additive Manufactured Materials for Energy Applications: A Review. <i>Processes</i> , 2021 , 9, 31	2.9	12
86	Critical Overview of Coatings Technology for Metal Matrix Composites. <i>Journal of Bio- and Tribo-Corrosion</i> , 2020 , 6, 1	2.9	12
85	Diamond-Like Carbon (DLC) Coatings: Classification, Properties, and Applications. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4445	2.6	12
84	Tribocorrosion of Porous Titanium Used in Biomedical Applications. <i>Journal of Bio- and Tribo-Corrosion</i> , 2019 , 5, 1	2.9	12

83	Carbon solid lubricants: role of different dimensions. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 107, 3875-3895	3.2	11
82	Advancements in Eco-friendly Lubricants for Tribological Applications: Past, Present, and Future. <i>Materials Forming, Machining and Tribology</i> , 2016 , 41-61	0.5	11
81	An explicit finite element model to study the influence of rake angle and friction during orthogonal metal cutting. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 73, 875-885	3.2	11
80	Analysis of Strain Rates and Microstructural Evaluation during Metal Forming: Role of Surface Texture and Friction. <i>Tribology Transactions</i> , 2012 , 55, 582-589	1.8	11
79	Green Lubricants: Role of Additive Size. <i>Green Energy and Technology</i> , 2012 , 265-286	0.6	11
78	Influence of tilt angle of plate on friction and transfer layer: A study of aluminium pin sliding against steel plate. <i>Tribology International</i> , 2010 , 43, 897-905	4.9	11
77	Water-Based Lubricants: Development, Properties, and Performances. <i>Lubricants</i> , 2021 , 9, 73	3.1	11
76	Material Design and Surface Engineering for Bio-implants. <i>Jom</i> , 2020 , 72, 684-696	2.1	11
75	Tribological performance of environmental friendly ionic liquids for high-temperature applications. <i>Journal of Cleaner Production</i> , 2021 , 279, 123666	10.3	11
74	Surface texturing to control friction and wear for energy efficiency and sustainability. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 85, 1385-1394	3.2	10
73	Tribological response of soft materials sliding against hard surface textures at various numbers of cycles. <i>Lubrication Science</i> , 2013 , 25, 79-99	1.3	10
72	Self-Lubricating Behavior of Graphite-Reinforced Composites 2013 , 341-389		10
71	Response of Materials During Sliding on Various Surface Textures. <i>Journal of Materials Engineering and Performance</i> , 2011 , 20, 1438-1446	1.6	10
70	Influence of friction and rake angle on the formation of built-up edge during the rock cutting process. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2016 , 88, 175-182	6	10
69	Fundamentals of Lubrication 2013 , 295-340		10
68	Ionic Liquids: A Plausible Future of Bio-lubricants. <i>Journal of Bio- and Tribo-Corrosion</i> , 2017 , 3, 1	2.9	9
67	Advances in Bio-inspired Tribology for Engineering Applications. <i>Journal of Bio- and Tribo-Corrosion</i> , 2016 , 2, 1	2.9	9
66	Performance Analysis of Retrofitted Tribo-Corrosion Test Rig for Monitoring In Situ Oil Conditions. <i>Materials</i> , 2017 , 10,	3.5	9

65	Studies on friction and formation of transfer layer when Al/Mg alloy pins slid at various numbers of cycles on steel plates of different surface texture. <i>Wear</i> , 2009 , 267, 525-534	3.5	9
64	Ultrasonic Surface Rolling Process: Properties, Characterization, and Applications. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10986	2.6	9
63	Conversion of Waste Plastic to Oils for Tribological Applications. <i>Lubricants</i> , 2020 , 8, 78	3.1	9
62	Surface Energy and Tribology of Electrodeposited Ni and Ni Graphene Coatings on Steel. <i>Lubricants</i> , 2019 , 7, 87	3.1	8
61	Influence of Surface Texture and Roughness of Softer and Harder Counter Materials on Friction During Sliding. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 393-403	1.6	8
60	Influence of Inclination Angle and Machining Direction on Friction and Transfer Layer Formation. <i>Journal of Tribology</i> , 2011 , 133,	1.8	8
59	A parameter characterizing plowing nature of surfaces close to Gaussian. <i>Tribology International</i> , 2010 , 43, 370-380	4.9	8
58	Role of surface texture and roughness parameters in friction and transfer layer formation under dry and lubricated sliding conditions. <i>International Journal of Materials Research</i> , 2008 , 99, 795-807	0.5	8
57	Subsurface deformation and the role of surface texture: A study with Cu pins and steel plates. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2008 , 33, 191-201	1	8
56	Nanocrystalline Materials: Synthesis, Characterization, Properties, and Applications. <i>Crystals</i> , 2021 , 11, 1317	2.3	8
55	Natural Adhesion System Leads to Synthetic Adhesives. <i>Journal of Bio- and Tribo-Corrosion</i> , 2018 , 4, 1	2.9	7
54	Tribological and Corrosion Behavior of High Pressure Cold Sprayed Duplex 316 L Stainless Steel. <i>Tribology International</i> , 2022 , 169, 107471	4.9	7
53	Recent progress on phosphonium-based room temperature ionic liquids: Synthesis, properties, tribological performances and applications. <i>Tribology International</i> , 2021 , 167, 107331	4.9	7
52	Improvement of Wear, Pitting Corrosion Resistance and Repassivation Ability of Mg-Based Alloys Using High Pressure Cold Sprayed (HPCS) Commercially Pure-Titanium Coatings. <i>Coatings</i> , 2021 , 11, 57	2.9	7
51	Self-Lubricating Materials for Extreme Condition Applications. <i>Materials</i> , 2021 , 14,	3.5	7
50	Fundamentals of Engineering Surfaces 2013 , 3-41		7
49	Tribological Behavior of Aluminum Micro-and Nano-Composites. <i>International Journal of Aerospace Innovations</i> , 2011 , 3, 153-162		6
48	Influence of roughness parameters of harder surface on coefficient of friction and transfer layer formation. <i>International Journal of Surface Science and Engineering</i> , 2008 , 2, 98	1	6

47	Studies on Friction in an Iron-Steel Tribo-System Under Dry and Lubricated Conditions. <i>Materials and Manufacturing Processes</i> , 2008 , 23, 698-707	4.1	6
46	Effect of Laser Shock Peening on the Wear-Corrosion Synergistic Behavior of an AZ31B Magnesium Alloy. <i>Journal of Tribology</i> , 2020 , 142,	1.8	6
45	Ball Milled Graphene Nano Additives for Enhancing Sliding Contact in Vegetable Oil. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
44	Tribocorrosion Performance of Tool Steel for Rock Drilling Process. <i>Journal of Bio- and Tribo-Corrosion</i> , 2019 , 5, 1	2.9	5
43	RETRACTED CHAPTER: Fundamentals of Solid Lubricants 2018 , 1-32		5
42	In-Situ Fretting Wear Analysis of Electrical Connectors for Real System Applications. <i>Journal of Manufacturing and Materials Processing</i> , 2019 , 3, 47	2.2	5
41	Studies on Friction and Formation of Transfer Layer in HCP Metals. <i>Journal of Tribology</i> , 2009 , 131,	1.8	5
40	Studies On Friction And Transfer Layer Using Inclined Scratch. <i>Tribology and Interface Engineering Series</i> , 2006 , 262-279		5
39	Tribology and Applications of Self-Lubricating Materials		5
38	Atmospheric Plasma Spray Coating of NiTi on Mild Steel Substrate: An Microstructural Investigation. <i>Journal of Bio- and Tribo-Corrosion</i> , 2021 , 7, 1	2.9	5
37	Tribological Performance of Graphite Nanoplatelets Reinforced Al and Al/AlO Self-Lubricating Composites. <i>Materials</i> , 2021 , 14,	3.5	5
36	Friction Stir Processing on the Tribological, Corrosion, and Erosion Properties of Steel: A Review. <i>Journal of Manufacturing and Materials Processing</i> , 2021 , 5, 97	2.2	5
35	Anisotropic microstructure evolution of an AZ31B magnesium alloy subjected to dry sliding and its effects on friction and wear performance. <i>Materialia</i> , 2019 , 8, 100444	3.2	4
34	Wear Rate of Nanocrystalline Diamond Coating under High Temperature Sliding Conditions. <i>Solid State Phenomena</i> , 267, 219-223	0.4	4
33	Tribological Properties of High-Entropy Alloys under Dry Conditions for a Wide Temperature Range-A Review. <i>Materials</i> , 2021 , 14,	3.5	4
32	Comparative Analysis of Two Methods for Evaluating Wear Rate of Nanocrystalline Diamond Films. <i>Key Engineering Materials</i> , 2016 , 721, 345-350	0.4	4
31	Friction and Wear Behavior of Environmentally Friendly Ionic Liquids for Sustainability of Biolubricants. <i>Journal of Tribology</i> , 2019 , 141,	1.8	4
30	Application of Metal Matrix Composites in Engineering Sectors 2021 , 525-539		4

29	Friction and Wear Behavior of Alumina Composites with In-Situ Formation of Aluminum Borate and Boron Nitride. <i>Materials</i> , 2020 , 13,	3.5	3
28	Tribology in Metal Forming 2013 , 783-818		3
27	The effect of particulate additive mixtures on the tribological performance of phosphonium-based ionic liquid lubricants. <i>Tribology International</i> , 2022 , 165, 107300	4.9	3
26	Tribological Properties of Fly Ash-Based Green Friction Products. <i>Green Energy and Technology</i> , 2012 , 429-443	0.6	3
25	Influence of laser shock peening on the surface energy and tribocorrosion properties of an AZ31B Mg alloy. <i>Wear</i> , 2020 , 462-463, 203490	3.5	3
24	Thermodynamic stabilization of nanocrystalline aluminum. <i>Journal of Materials Science</i> , 2021 , 56, 14611-14623	4.6	3
23	Dynamically Tunable Friction via Subsurface Stiffness Modulation. <i>Frontiers in Robotics and AI</i> , 2021 , 8, 691789	2.8	3
22	Tribocorrosion Behavior of Inconel 718 Fabricated by Laser Powder Bed Fusion-Based Additive Manufacturing. <i>Coatings</i> , 2021 , 11, 195	2.9	3
21	Effect of Gas Propellant Temperature on the Microstructure, Friction, and Wear Resistance of High-Pressure Cold Sprayed Zr702 Coatings on Al6061 Alloy. <i>Coatings</i> , 2022 , 12, 263	2.9	3
20	Surface Engineering of Solar Cells to Improve Efficiency. <i>Jom</i> , 2019 , 71, 4319-4329	2.1	2
19	Influence of Friction and Rake Angle on the Formation of Discontinuous Rock Fragments During Rock Cutting 2010 ,		2
18	Surface Modification of 6xxx Series Aluminum Alloys. <i>Coatings</i> , 2022 , 12, 180	2.9	2
17	Manufacturing and Mechanical Characterization of Fly-Ash-Reinforced Materials for Furnace Lining Applications. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 6307-6321	1.6	2
16	Influence of hydrostatic pressure on wetting state and corrosion of superhydrophobic coatings. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 110, 457-470	3.2	2
15	Recent Progress on Electroactive Polymers: Synthesis, Properties and Applications. <i>Ceramics</i> , 2021 , 4, 516-541	1.7	2
14	Synergistic Study of Solid Lubricant Nano-Additives Incorporated in canola oil for Enhancing Energy Efficiency and Sustainability. <i>Sustainability</i> , 2022 , 14, 290	3.6	2
13	Influence of Abrasive Load on Wettability and Corrosion Inhibition of a Commercial Superhydrophobic Coating. <i>Coatings</i> , 2020 , 10, 887	2.9	1
12	Corrosion performance of nanocomposite coatings in moist SO ₂ environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 106, 4769-4776	3.2	1

11	Engineering and Technology of Environmentally Friendly Lubricants 2016 , 233-271		1
10	Thermal decomposition of phosphonium salicylate and phosphonium benzoate ionic liquids. <i>Journal of Molecular Liquids</i> , 2022 , 352, 118700	6	1
9	Transition from Self-Organized Criticality into Self-Organization during Sliding Si ₃ N ₄ Balls against Nanocrystalline Diamond Films. <i>Entropy</i> , 2019 , 21, 1055	2.8	1
8	Review of Molecular Dynamics Simulations of Phosphonium Ionic Liquid Lubricants. <i>Tribology Letters</i> , 2022 , 70, 1	2.8	1
7	Role of B ₂ O ₃ and CaO in Al ₂ O ₃ Matrix Composite: In-Situ Phases, Density, Hardness and Wear Resistance. <i>Tribology International</i> , 2022 , 107588	4.9	1
6	Tribological interactions of 3D printed polyurethane and polyamide with water-responsive skin model. <i>Friction</i> , 1	5.6	0
5	Graphene aerogel and its composites: synthesis, properties and applications. <i>Journal of Porous Materials</i> , 1	2.4	0
4	Friction tensor concept for textured surfaces. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2008 , 33, 203-206		1
3	Self-Lubricating Alumina Matrix Composites 2022 , 201-217		
2	Solid Lubricants: Classification, Properties, and Applications 2022 , 1-29		
1	Introduction to tribocorrosion 2021 , 1-16		