

Arpith Siddaiah

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

710
citations

567144

15
h-index

610775

24
g-index

25
all docs

25
docs citations

25
times ranked

582
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.8	211
2	A Review on the Science and Technology of Natural and Synthetic Biolubricants. <i>Journal of Bio- and Tribo-Corrosion</i> , 2017, 3, 1.	1.2	61
3	Surface characterization and tribological performance of laser shock peened steel surfaces. <i>Surface and Coatings Technology</i> , 2018, 351, 188-197.	2.2	50
4	Surface texturing by indirect laser shock surface patterning for manipulated friction coefficient. <i>Journal of Materials Processing Technology</i> , 2018, 257, 227-233.	3.1	38
5	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.	4.6	38
6	Synergistic wear-corrosion analysis and modelling of nanocomposite coatings. <i>Tribology International</i> , 2018, 121, 30-44.	3.0	34
7	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.	3.1	30
8	Prediction and optimization of weld bead geometry for electron beam welding of AISI 304 stainless steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 89, 27-43.	1.5	29
9	Conversion of Waste Plastic to Oils for Tribological Applications. <i>Lubricants</i> , 2020, 8, 78.	1.2	22
10	Ionic Liquids: A Plausible Future of Bio-lubricants. <i>Journal of Bio- and Tribo-Corrosion</i> , 2017, 3, 1.	1.2	21
11	Surface Energy and Tribology of Electrodeposited Ni and Ni-Graphene Coatings on Steel. <i>Lubricants</i> , 2019, 7, 87.	1.2	20
12	Advances in Bio-inspired Tribology for Engineering Applications. <i>Journal of Bio- and Tribo-Corrosion</i> , 2016, 2, 1.	1.2	18
13	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.	4.6	18
14	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.	3.1	17
15	Effect of Laser Shock Peening on the Wear-Corrosion Synergistic Behavior of an AZ31B Magnesium Alloy. <i>Journal of Tribology</i> , 2020, 142, .	1.0	15
16	Ball Milled Graphene Nano Additives for Enhancing Sliding Contact in Vegetable Oil. <i>Nanomaterials</i> , 2021, 11, 610.	1.9	14
17	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.	1.2	13
18	Influence of laser shock peening on the surface energy and tribocorrosion properties of an AZ31B Mg alloy. <i>Wear</i> , 2020, 462-463, 203490.	1.5	12

#	ARTICLE	IF	CITATIONS
19	Performance Analysis of Retrofitted Tribo-Corrosion Test Rig for Monitoring In Situ Oil Conditions. <i>Materials</i> , 2017, 10, 1145.	1.3	10
20	Friction and Wear Behavior of Environmentally Friendly Ionic Liquids for Sustainability of Biolubricants. <i>Journal of Tribology</i> , 2019, 141, .	1.0	10
21	In-Situ Fretting Wear Analysis of Electrical Connectors for Real System Applications. <i>Journal of Manufacturing and Materials Processing</i> , 2019, 3, 47.	1.0	9
22	Tribocorrosion Behavior of Inconel 718 Fabricated by Laser Powder Bed Fusion-Based Additive Manufacturing. <i>Coatings</i> , 2021, 11, 195.	1.2	7
23	Dynamically Tunable Friction via Subsurface Stiffness Modulation. <i>Frontiers in Robotics and AI</i> , 2021, 8, 691789.	2.0	7
24	Tribocorrosion Performance of Tool Steel for Rock Drilling Process. <i>Journal of Bio- and Tribo-Corrosion</i> , 2019, 5, 1.	1.2	6
25	Introduction to tribocorrosion. , 2021, , 1-16.		0