Arpith Siddaiah

List of Publications by Year
in descending order

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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	Effect of Gas Propellant Temperature on the Microstructure, Friction, and Wear Resistance of High-Pressure Cold Sprayed Zr702 Coatings on Al6061 Alloy. Coatings, 2022, 12, 263.	1.2	13
2	Introduction to tribocorrosion. , 2021, , 1-16.		0
3	Tribocorrosion Behavior of Inconel 718 Fabricated by Laser Powder Bed Fusion-Based Additive Manufacturing. Coatings, 2021, 11, 195.	1.2	7
4	Ball Milled Graphene Nano Additives for Enhancing Sliding Contact in Vegetable Oil. Nanomaterials, 2021, 11, 610.	1.9	14
5	Dynamically Tunable Friction via Subsurface Stiffness Modulation. Frontiers in Robotics and AI, 2021, 8, 691789.	2.0	7
6	Direct laser shock surface patterning of an AZ31B magnesium alloy: Microstructure evolution and friction performance. Journal of Materials Processing Technology, 2020, 275, 116333.	3.1	17
7	Influence of laser shock peening on the surface energy and tribocorrosion properties of an AZ31B Mg alloy. Wear, 2020, 462-463, 203490.	1.5	12
8	Conversion of Waste Plastic to Oils for Tribological Applications. Lubricants, 2020, 8, 78.	1.2	22
9	Laser surface texturing and related techniques for enhancing tribological performance of engineering materials: A review. Journal of Manufacturing Processes, 2020, 53, 153-173.	2.8	211
10	Effect of Laser Shock Peening on the Wearâ€“Corrosion Synergistic Behavior of an AZ31B Magnesium Alloy. Journal of Tribology, 2020, 142, .	1.0	15
11	In-Situ Fretting Wear Analysis of Electrical Connectors for Real System Applications. Journal of Manufacturing and Materials Processing, 2019, 3, 47.	1.0	9
12	Surface Energy and Tribology of Electrodeposited Ni and Niâ€“Graphene Coatings on Steel. Lubricants, 2019, 7, 87.	1.2	20
13	Tribocorrosion Performance of Tool Steel for Rock Drilling Process. Journal of Bio- and Tribo-Corrosion, 2019, 5, 1.	1.2	6
14	The influence of surface pre-twinning on the friction and wear performance of an AZ31B Mg alloy. Applied Surface Science, 2019, 480, 998-1007.	3.1	30
15	Friction and Wear Behavior of Environmentally Friendly Ionic Liquids for Sustainability of Biolubricants. Journal of Tribology, 2019, 141, .	1.0	10
16	Influence of environmental friendly multiphase lubricants on the friction and transfer layer formation during sliding against textured surfaces. Journal of Cleaner Production, 2019, 209, 1245-1251.	4.6	18
17	Surface texturing by indirect laser shock surface patterning for manipulated friction coefficient. Journal of Materials Processing Technology, 2018, 257, 227-233.	3.1	38
18	Synergistic wear-corrosion analysis and modelling of nanocomposite coatings. Tribology International, 2018, 121, 30-44.	3.0	34

#	Article	IF	Citations
19	Tribological study of imidazolium and phosphonium ionic liquid-based lubricants as additives in carboxylic acid-based natural oil: Advancements in environmentally friendly lubricants. Journal of Cleaner Production, 2018, 176, 241-250.	4.6	38
20	Surface characterization and tribological performance of laser shock peened steel surfaces. Surface and Coatings Technology, 2018, 351, 188-197.	2.2	50
21	Prediction and optimization of weld bead geometry for electron beam welding of AISI 304 stainless steel. International Journal of Advanced Manufacturing Technology, 2017, 89, 27-43.	1.5	29
22	A Review on the Science and Technology of Natural and Synthetic Biolubricants. Journal of Bio- and Tribo-Corrosion, 2017, 3, 1.	1.2	61
23	Ionic Liquids: A Plausible Future of Bio-lubricants. Journal of Bio- and Tribo-Corrosion, 2017, 3, 1.	1.2	21
24	Performance Analysis of Retrofitted Tribo-Corrosion Test Rig for Monitoring In Situ Oil Conditions. Materials, 2017, 10, 1145.	1.3	10
25	Advances in Bio-inspired Tribology for Engineering Applications. Journal of Bio- and Tribo-Corrosion, 2016, 2, 1.	1.2	18