

Ashish K Kasar

List of Publications by Year in descending order

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papers

593
citations

687363

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30
all docs

30
docs citations

30
times ranked

541
citing authors

#	ARTICLE	IF	CITATIONS
1	Tribological interactions of 3D printed polyurethane and polyamide with water-responsive skin model. Friction, 2022, 10, 159-166.	6.4	6
2	The effect of particulate additive mixtures on the tribological performance of phosphonium-based ionic liquid lubricants. Tribology International, 2022, 165, 107300.	5.9	12
3	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.	2.6	13
4	A Brief Review on Factors Affecting the Tribological Interaction between Human Skin and Different Textile Materials. Materials, 2022, 15, 2184.	2.9	8
5	Graphene aerogel and its composites: synthesis, properties and applications. Journal of Porous Materials, 2022, 29, 1011-1025.	2.6	6
6	Role of B2O3 and CaO in Al2O3 matrix composite: In-situ phases, density, hardness and wear resistance. Tribology International, 2022, 172, 107588.	5.9	5
7	Role of CuO in Al2O3-B2O3 Composites: In Situ Phases, Density, Hardness, and Wear Resistance. Journal of Tribology, 2022, 144, .	1.9	4
8	Tribological performance of environmental friendly ionic liquids for high-temperature applications. Journal of Cleaner Production, 2021, 279, 123666.	9.3	22
9	Improvement of Wear, Pitting Corrosion Resistance and Repassivation Ability of Mg-Based Alloys Using High Pressure Cold Sprayed (HPCS) Commercially Pure-Titanium Coatings. Coatings, 2021, 11, 57.	2.6	13
10	Introduction to tribocorrosion. , 2021, , 1-16.		0
11	Tribocorrosion Behavior of Inconel 718 Fabricated by Laser Powder Bed Fusion-Based Additive Manufacturing. Coatings, 2021, 11, 195.	2.6	7
12	Tribological Performance of Graphite Nanoplatelets Reinforced Al and Al/Al2O3 Self-Lubricating Composites. Materials, 2021, 14, 1183.	2.9	21
13	Friction Stir Processing on the Tribological, Corrosion, and Erosion Properties of Steel: A Review. Journal of Manufacturing and Materials Processing, 2021, 5, 97.	2.2	19
14	Tribological Properties of High-Entropy Alloys under Dry Conditions for a Wide Temperature Range”A Review. Materials, 2021, 14, 5814.	2.9	31
15	Supersonic particle deposition as an additive technology: methods, challenges, and applications. International Journal of Advanced Manufacturing Technology, 2020, 106, 2079-2099.	3.0	21
16	Influence of laser shock peening on the surface energy and tribocorrosion properties of an AZ31B Mg alloy. Wear, 2020, 462-463, 203490.	3.1	12
17	Friction and Wear Behavior of Alumina Composites with In-Situ Formation of Aluminum Borate and Boron Nitride. Materials, 2020, 13, 4502.	2.9	7
18	Corrosion performance of nanocomposite coatings in moist SO2 environment. International Journal of Advanced Manufacturing Technology, 2020, 106, 4769-4776.	3.0	5

#	ARTICLE	IF	CITATIONS
19	A Brief Review of Fly Ash as Reinforcement for Composites with Improved Mechanical and Tribological Properties. Jom, 2020, 72, 2340-2351.	1.9	35
20	In-Situ Fretting Wear Analysis of Electrical Connectors for Real System Applications. Journal of Manufacturing and Materials Processing, 2019, 3, 47.	2.2	9
21	Surface Engineering of Solar Cells to Improve Efficiency. Jom, 2019, 71, 4319-4329.	1.9	2
22	Advances in triboluminescence and mechanoluminescence. Journal of Materials Science: Materials in Electronics, 2019, 30, 19675-19690.	2.2	25
23	Advanced Metal Matrix Nanocomposites. Metals, 2019, 9, 330.	2.3	174
24	Tribocorrosion Performance of Tool Steel for Rock Drilling Process. Journal of Bio- and Tribo-Corrosion, 2019, 5, 1.	2.6	6
25	Tribocorrosion of Porous Titanium Used in Biomedical Applications. Journal of Bio- and Tribo-Corrosion, 2019, 5, 1.	2.6	23
26	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.	9.3	18
27	Graphene-Reinforced Metal and Polymer Matrix Composites. Jom, 2018, 70, 829-836.	1.9	37
28	Natural Adhesion System Leads to Synthetic Adhesives. Journal of Bio- and Tribo-Corrosion, 2018, 4, 1.	2.6	12
29	Synthesis and recent advances in tribological applications of graphene. International Journal of Advanced Manufacturing Technology, 2018, 97, 3999-4019.	3.0	40