Ashish K Kasar

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8122733/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Advanced Metal Matrix Nanocomposites. Metals, 2019, 9, 330.	2.3	174
2	Synthesis and recent advances in tribological applications of graphene. International Journal of Advanced Manufacturing Technology, 2018, 97, 3999-4019.	3.0	40
3	Graphene-Reinforced Metal and Polymer Matrix Composites. Jom, 2018, 70, 829-836.	1.9	37
4	A Brief Review of Fly Ash as Reinforcement for Composites with Improved Mechanical and Tribological Properties. Jom, 2020, 72, 2340-2351.	1.9	35
5	Tribological Properties of High-Entropy Alloys under Dry Conditions for a Wide Temperature Range—A Review. Materials, 2021, 14, 5814.	2.9	31
6	Advances in triboluminescence and mechanoluminescence. Journal of Materials Science: Materials in Electronics, 2019, 30, 19675-19690.	2.2	25
7	Tribocorrosion of Porous Titanium Used in Biomedical Applications. Journal of Bio- and Tribo-Corrosion, 2019, 5, 1.	2.6	23
8	Tribological performance of environmental friendly ionic liquids for high-temperature applications. Journal of Cleaner Production, 2021, 279, 123666.	9.3	22
9	Supersonic particle deposition as an additive technology: methods, challenges, and applications. International Journal of Advanced Manufacturing Technology, 2020, 106, 2079-2099.	3.0	21
10	Tribological Performance of Graphite Nanoplatelets Reinforced Al and Al/Al2O3 Self-Lubricating Composites. Materials, 2021, 14, 1183.	2.9	21
11	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
12	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
13	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
14	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
15	Natural Adhesion System Leads to Synthetic Adhesives. Journal of Bio- and Tribo-Corrosion, 2018, 4, 1.	2.6	12
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	The effect of particulate additive mixtures on the tribological performance of phosphonium-based ionic liquid lubricants. Tribology International, 2022, 165, 107300.	5.9	12
18	In-Situ Fretting Wear Analysis of Electrical Connectors for Real System Applications. Journal of Manufacturing and Materials Processing, 2019, 3, 47.	2.2	9

Ashish K Kasar

#	Article	IF	CITATIONS
19	A Brief Review on Factors Affecting the Tribological Interaction between Human Skin and Different Textile Materials. Materials, 2022, 15, 2184.	2.9	8
20	Friction and Wear Behavior of Alumina Composites with In-Situ Formation of Aluminum Borate and Boron Nitride. Materials, 2020, 13, 4502.	2.9	7
21	Tribocorrosion Behavior of Inconel 718 Fabricated by Laser Powder Bed Fusion-Based Additive Manufacturing. Coatings, 2021, 11, 195.	2.6	7
22	Tribocorrosion Performance of Tool Steel for Rock Drilling Process. Journal of Bio- and Tribo-Corrosion, 2019, 5, 1.	2.6	6
23	Tribological interactions of 3D printed polyurethane and polyamide with water-responsive skin model. Friction, 2022, 10, 159-166.	6.4	6
24	Graphene aerogel and its composites: synthesis, properties and applications. Journal of Porous Materials, 2022, 29, 1011-1025.	2.6	6
25	Corrosion performance of nanocomposite coatings in moist SO2 environment. International Journal of Advanced Manufacturing Technology, 2020, 106, 4769-4776.	3.0	5
26	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
27	Role of CuO in Al2O3-B2O3 Composites: In Situ Phases, Density, Hardness, and Wear Resistance. Journal of Tribology, 2022, 144, .	1.9	4
28	Surface Engineering of Solar Cells to Improve Efficiency. Jom, 2019, 71, 4319-4329.	1.9	2
29	Introduction to tribocorrosion. , 2021, , 1-16.		0