

# Ashish K Kasar

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

593  
citations

686830

13  
h-index

610482

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

541  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Metal Matrix Nanocomposites. <i>Metals</i> , 2019, 9, 330.	1.0	174
2	Synthesis and recent advances in tribological applications of graphene. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 97, 3999-4019.	1.5	40
3	Graphene-Reinforced Metal and Polymer Matrix Composites. <i>Jom</i> , 2018, 70, 829-836.	0.9	37
4	A Brief Review of Fly Ash as Reinforcement for Composites with Improved Mechanical and Tribological Properties. <i>Jom</i> , 2020, 72, 2340-2351.	0.9	35
5	Tribological Properties of High-Entropy Alloys under Dry Conditions for a Wide Temperature Range—A Review. <i>Materials</i> , 2021, 14, 5814.	1.3	31
6	Advances in triboluminescence and mechanoluminescence. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19675-19690.	1.1	25
7	Tribocorrosion of Porous Titanium Used in Biomedical Applications. <i>Journal of Bio- and Tribo-Corrosion</i> , 2019, 5, 1.	1.2	23
8	Tribological performance of environmental friendly ionic liquids for high-temperature applications. <i>Journal of Cleaner Production</i> , 2021, 279, 123666.	4.6	22
9	Supersonic particle deposition as an additive technology: methods, challenges, and applications. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 2079-2099.	1.5	21
10	Tribological Performance of Graphite Nanoplatelets Reinforced Al and Al/Al <sub>2</sub> O <sub>3</sub> Self-Lubricating Composites. <i>Materials</i> , 2021, 14, 1183.	1.3	21
11	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.	1.0	19
12	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
13	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.	1.2	13
14	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
15	Natural Adhesion System Leads to Synthetic Adhesives. <i>Journal of Bio- and Tribo-Corrosion</i> , 2018, 4, 1.	1.2	12
16	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
17	The effect of particulate additive mixtures on the tribological performance of phosphonium-based ionic liquid lubricants. <i>Tribology International</i> , 2022, 165, 107300.	3.0	12
18	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

#	ARTICLE	IF	CITATIONS
19	A Brief Review on Factors Affecting the Tribological Interaction between Human Skin and Different Textile Materials. <i>Materials</i> , 2022, 15, 2184.	1.3	8
20	Friction and Wear Behavior of Alumina Composites with In-Situ Formation of Aluminum Borate and Boron Nitride. <i>Materials</i> , 2020, 13, 4502.	1.3	7
21	Tribocorrosion Behavior of Inconel 718 Fabricated by Laser Powder Bed Fusion-Based Additive Manufacturing. <i>Coatings</i> , 2021, 11, 195.	1.2	7
22	Tribocorrosion Performance of Tool Steel for Rock Drilling Process. <i>Journal of Bio- and Tribo-Corrosion</i> , 2019, 5, 1.	1.2	6
23	Tribological interactions of 3D printed polyurethane and polyamide with water-responsive skin model. <i>Friction</i> , 2022, 10, 159-166.	3.4	6
24	Graphene aerogel and its composites: synthesis, properties and applications. <i>Journal of Porous Materials</i> , 2022, 29, 1011-1025.	1.3	6
25	Corrosion performance of nanocomposite coatings in moist SO <sub>2</sub> environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 4769-4776.	1.5	5
26	Role of B <sub>2</sub> O <sub>3</sub> and CaO in Al <sub>2</sub> O <sub>3</sub> matrix composite: In-situ phases, density, hardness and wear resistance. <i>Tribology International</i> , 2022, 172, 107588.	3.0	5
27	Role of CuO in Al <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> Composites: In Situ Phases, Density, Hardness, and Wear Resistance. <i>Journal of Tribology</i> , 2022, 144, .	1.0	4
28	Surface Engineering of Solar Cells to Improve Efficiency. <i>Jom</i> , 2019, 71, 4319-4329.	0.9	2
29	Introduction to tribocorrosion. , 2021, , 1-16.		0