

Surojit Gupta

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

428
citations

10
h-index

20
g-index

33
ext. papers

508
ext. citations

2.3
avg, IF

3.84
L-index

#	Paper	IF	Citations
31	Synthesis of nanolayered ternary borides powders (MAB phases) by sustainable molten salt shielded synthesis/sintering (MS3) process. <i>Journal of Materials Science</i> , 2022 , 57, 2436-2454	4.3	1
30	The Potential of Machine Learning for Enhancing CO2 Sequestration, Storage, Transportation, and Utilization-based Processes: A Brief Perspective. <i>Jom</i> , 2022 , 74, 414-428	2.1	3
29	On the potential of polyetheretherketone matrix composites reinforced with ternary nanolaminates for tribological and biomedical applications. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 49980	2.9	4
28	Role of Microstructure on the Potential of MAX and MAB Phases and Their Derivative-Based Composites: A Review. <i>Minerals, Metals and Materials Series</i> , 2021 , 17-41	0.3	
27	On the Design of Novel Biofoams Using Lignin, Wheat Straw, and Sugar Beet Pulp as Precursor Material. <i>ACS Omega</i> , 2020 , 5, 17078-17089	3.9	5
26	On the Synthesis and Characterization of Polylactic Acid, Polyhydroxyalkanoate, Cellulose Acetate, and Their Engineered Blends by Solvent Casting. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 5542-5556	1.6	7
25	Selected Articles from the 11th International Symposium on Green and Sustainable Technologies for Materials Manufacturing and Processing. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 5541-5541	1.6	
24	Synthesis and characterization of novel polymer matrix composites reinforced with max phases (Ti3SiC2, Ti3AlC2, and Cr2AlC) or MoAlB by fused deposition modeling. <i>International Journal of Ceramic Engineering & Science</i> , 2019 , 1, 144-154	2	4
23	Synthesis and characterization of novel foams by pyrolysis of lignin. <i>Tappi Journal</i> , 2019 , 18, 45-56	0.5	1
22	Synthesis and Characterization of Novel Ti3SiC2 Reinforced Ni-Matrix Multilayered Composite-Based Solid Lubricants. <i>Lubricants</i> , 2019 , 7, 110	3.1	1
21	Synthesis and tribological behavior of novel UHMWPE-Ti3SiC2 composites. <i>Polymer Composites</i> , 2018 , 39, 254-262	3	15
20	Tribology Study of Novel Ti3SiC2 Matrix Composites Reinforced with Ceramics (Al2O3, BN, B4C) Particulates. <i>Ceramic Engineering and Science Proceedings</i> , 2018 , 131-139	0.1	1
19	Novel Ternary Boride (MoAlB) Particulates as Solid Lubricant Additives in Ni-matrix Composites 2018 ,		3
18	Beneficial usage of recycled polymer particulates for designing novel 3D printed composites. <i>Progress in Additive Manufacturing</i> , 2018 , 3, 33-38	5	4
17	Synthesis and Tribological Behavior of Bi-Cr2AlC Composites. <i>Ceramic Engineering and Science Proceedings</i> , 2018 , 67-74	0.1	
16	Synthesis and tribological behavior of novel wear-resistant PEEK/Ti3SiC2 composites. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2017 , 231, 422-428	1.4	6
15	Synthesis and tribological behavior of novel Ag- and Bi-based composites reinforced with Ti3SiC2. <i>Wear</i> , 2017 , 376-377, 1074-1083	3.5	11

14	Reactive Hydrothermal Liquid-Phase Densification (rHLPD) of Ceramics A Study of the BaTiO ₃ [TiO ₂] Composite System. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 3893-3901	3.8	20
13	Synthesis and Tribological Behavior of Ultra High Molecular Weight Polyethylene (UHMWPE)-Lignin Composites. <i>Lubricants</i> , 2016 , 4, 31	3.1	1
12	A Novel Strategy for Carbon Capture and Sequestration by rHLPD Processing. <i>Frontiers in Energy Research</i> , 2016 , 3,	3.8	14
11	A Perspective on Green Body Fabrication and Design for Sustainable Manufacturing 2016 , 549-580		1
10	Tribological Behavior of Novel Ti ₃ SiC ₂ (Natural Nanolaminates)-Reinforced Epoxy Composites during Dry Sliding. <i>Tribology Transactions</i> , 2015 , 58, 560-566	1.8	17
9	Synthesis and Characterization of Ti ₃ SiC ₂ Particulate-Reinforced Novel Zn Matrix Composites. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 4071-4076	1.6	10
8	Synthesis and Characterization of Novel Al-Matrix Composites Reinforced with Ti ₃ SiC ₂ Particulates. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 1011-1017	1.6	12
7	Oxidation-Induced Sintering: An Innovative Method for Manufacturing Porous Ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2014 , 11, 817-823	2	3
6	On the tribology of the MAX phases and their composites during dry sliding: A review. <i>Wear</i> , 2011 , 271, 1878-1894	3.5	127
5	Ta ₂ AlC and Cr ₂ AlC Ag-based composites New solid lubricant materials for use over a wide temperature range against Ni-based superalloys and alumina. <i>Wear</i> , 2007 , 262, 1479-1489	3.5	76
4	Synthesis and Oxidation of V ₂ AlC and (Ti _{0.5} ,V _{0.5}) ₂ AlC in Air. <i>Journal of the Electrochemical Society</i> , 2004 , 151, D24	3.9	76
3	Novel Engineered Cementitious Materials by using Class C Fly Ash as a Cementitious Phase 35-43		
2	Effect of Ti ₃ SiC ₂ Particulates on The Mechanical and Tribological Behavior of Sn Matrix Composites. <i>Ceramic Engineering and Science Proceedings</i> , 65-74	0.1	4
1	SYNTHESIS AND CHARACTERIZATION OF NOVEL NI-TI ₃ SIC ₂ COMPOSITES. <i>Ceramic Engineering and Science Proceedings</i> , 105-116	0.1	1