Surojit Gupta

List of Publications by Citations

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	On the tribology of the MAX phases and their composites during dry sliding: A review. *Wear*, **2011**, 271, 1878-1894	3.5	127
30	Ta2AlC and Cr2AlC Ag-based composites New solid lubricant materials for use over a wide temperature range against Ni-based superalloys and alumina. *Wear*, **2007**, 262, 1479-1489	3.5	76
29	Synthesis and Oxidation of V[sub 2]AlC and (Ti[sub 0.5],V[sub 0.5])[sub 2]AlC in Air. *Journal of the Electrochemical Society*, **2004**, 151, D24	3.9	76
28	Reactive Hydrothermal Liquid-Phase Densification (rHLPD) of Ceramics A Study of the BaTiO3[TiO2] Composite System. *Journal of the American Ceramic Society*, **2016**, 99, 3893-3901	3.8	20
27	Tribological Behavior of Novel Ti3SiC2 (Natural Nanolaminates)-Reinforced Epoxy Composites during Dry Sliding. *Tribology Transactions*, **2015**, 58, 560-566	1.8	17
26	Synthesis and tribological behavior of novel UHMWPE-Ti3SiC2 composites. *Polymer Composites*, **2018**, 39, 254-262	3	15
25	A Novel Strategy for Carbon Capture and Sequestration by rHLPD Processing. *Frontiers in Energy Research*, **2016**, 3,	3.8	14
24	Synthesis and Characterization of Novel Al-Matrix Composites Reinforced with Ti3SiC2 Particulates. *Journal of Materials Engineering and Performance*, **2015**, 24, 1011-1017	1.6	12
23	Synthesis and tribological behavior of novel Ag- and Bi-based composites reinforced with Ti3SiC2. *Wear*, **2017**, 376-377, 1074-1083	3.5	11
22	Synthesis and Characterization of Ti3SiC2 Particulate-Reinforced Novel Zn Matrix Composites. *Journal of Materials Engineering and Performance*, **2015**, 24, 4071-4076	1.6	10
21	On the Synthesis and Characterization of Polylactic Acid, Polyhydroxyalkanoate, Cellulose Acetate, and Their Engineered Blends by Solvent Casting. *Journal of Materials Engineering and Performance*, **2020**, 29, 5542-5556	1.6	7
20	Synthesis and tribological behavior of novel wear-resistant PEEK Ti3SiC2 composites. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, **2017**, 231, 422-428	1.4	6
19	On the Design of Novel Biofoams Using Lignin, Wheat Straw, and Sugar Beet Pulp as Precursor Material. *ACS Omega*, **2020**, 5, 17078-17089	3.9	5
18	Synthesis and characterization of novel polymer matrix composites reinforced with max phases (Ti3SiC2, Ti3AlC2, and Cr2AlC) or MoAlB by fused deposition modeling. *International Journal of Ceramic Engineering & Science*, **2019**, 1, 144-154	2	4
17	Beneficial usage of recycled polymer particulates for designing novel 3D printed composites. *Progress in Additive Manufacturing*, **2018**, 3, 33-38	5	4
16	On the potential of polyetheretherketone matrix composites reinforced with ternary nanolaminates for tribological and biomedical applications. *Journal of Applied Polymer Science*, **2021**, 138, 49980	2.9	4
15	Effect of Ti3SiC2 Particulates on The Mechanical and Tribological Behavior of Sn Matrix Composites. *Ceramic Engineering and Science Proceedings*,65-74	0.1	4

List of Publications

14	Novel Ternary Boride (MoAlB) Particulates as Solid Lubricant Additives in Ni-matrix Composites **2018**,		3
13	Oxidation-Induced Sintering: An Innovative Method for Manufacturing Porous Ceramics. *International Journal of Applied Ceramic Technology*, **2014**, 11, 817-823	2	3
12	The Potential of Machine Learning for Enhancing CO2 Sequestration, Storage, Transportation, and Utilization-based Processes: A Brief Perspective. *Jom*, **2022**, 74, 414-428	2.1	3
11	Tribology Study of Novel Ti3SiC2 Matrix Composites Reinforced with Ceramics (Al2O3, BN, B4C) Particulates. *Ceramic Engineering and Science Proceedings*, **2018**, 131-139	0.1	1
10	Synthesis of nanolayered ternary borides powders (MAB phases) by sustainable molten salt shielded synthesis/sintering (MS3) process. *Journal of Materials Science*, **2022**, 57, 2436-2454	4.3	1
9	Synthesis and characterization of novel foams by pyrolysis of lignin. *Tappi Journal*, **2019**, 18, 45-56	0.5	1
8	Synthesis and Tribological Behavior of Ultra High Molecular Weight Polyethylene (UHMWPE)-Lignin Composites. *Lubricants*, **2016**, 4, 31	3.1	1
7	A Perspective on Green Body Fabrication and Design for Sustainable Manufacturing **2016**, 549-580		1
6	Synthesis and Characterization of Novel Ti3SiC2 Reinforced Ni-Matrix Multilayered Composite-Based Solid Lubricants. *Lubricants*, **2019**, 7, 110	3.1	1
5	SYNTHESIS AND CHARACTERIZATION OF NOVEL NI-TI3SIC2 COMPOSITES. *Ceramic Engineering and Science Proceedings*,105-116	0.1	1
4	Novel Engineered Cementitious Materials by using Class C Fly Ash as a Cementitious Phase35-43		
3	Selected Articles from the 11th International Symposium on Green and Sustainable Technologies for Materials Manufacturing and Processing. *Journal of Materials Engineering and Performance*, **2020**, 29, 5541-5541	1.6	
2	Role of Microstructure on the Potential of MAX and MAB Phases and Their Derivative-Based Composites: A Review. *Minerals, Metals and Materials Series*, **2021**, 17-41	0.3	
1	Synthesis and Tribological Behavior of Bi-Cr2AlC Composites. *Ceramic Engineering and Science Proceedings*, **2018**, 67-74	0.1	