

# Surojit Gupta

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

613  
citations

858243

12  
h-index

685536

24  
g-index

33  
all docs

33  
docs citations

33  
times ranked

599  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the tribology of the MAX phases and their composites during dry sliding: A review. <i>Wear</i> , 2011, 271, 1878-1894.	1.5	168
2	Ta <sub>2</sub> AlC and Cr <sub>2</sub> 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.	1.5	90
3	Synthesis and Oxidation of V <sub>2</sub> AlC and (Ti <sub>0.5</sub> ,V <sub>0.5</sub> ) <sub>2</sub> AlC in Air. <i>Journal of the Electrochemical Society</i> , 2004, 151, D24.	1.3	88
4	Reactive Hydrothermal Liquid-Phase Densification (rHLPD) of Ceramics—A Study of the BaTiO <sub>3</sub> /TiO <sub>2</sub> Composite System. <i>Journal of the American Ceramic Society</i> , 2016, 99, 3893-3901.	1.9	30
5	Tribological Behavior of Novel Ti <sub>3</sub> SiC <sub>2</sub> (Natural Nanolaminates)-Reinforced Epoxy Composites during Dry Sliding. <i>Tribology Transactions</i> , 2015, 58, 560-566.	1.1	27
6	The Potential of Machine Learning for Enhancing CO <sub>2</sub> Sequestration, Storage, Transportation, and Utilization-based Processes: A Brief Perspective. <i>Jom</i> , 2022, 74, 414-428.	0.9	24
7	A Novel Strategy for Carbon Capture and Sequestration by rHLPD Processing. <i>Frontiers in Energy Research</i> , 2016, 3, .	1.2	22
8	Synthesis and Characterization of Novel Al-Matrix Composites Reinforced with Ti <sub>3</sub> SiC <sub>2</sub> Particulates. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 1011-1017.	1.2	18
9	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.	1.2	18
10	Synthesis and tribological behavior of novel Ag- and Bi-based composites reinforced with Ti <sub>3</sub> SiC <sub>2</sub> . <i>Wear</i> , 2017, 376-377, 1074-1083.	1.5	17
11	Synthesis and tribological behavior of novel UHMWPE/Ti <sub>3</sub> SiC <sub>2</sub> composites. <i>Polymer Composites</i> , 2018, 39, 254-262.	2.3	16
12	Synthesis and Characterization of Ti <sub>3</sub> SiC <sub>2</sub> Particulate-Reinforced Novel Zn Matrix Composites. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 4071-4076.	1.2	15
13	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.	1.6	13
14	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.	1.7	11
15	Synthesis and characterization of novel polymer matrix composites reinforced with max phases (Ti <sub>3</sub> ) <sub>2</sub> AlC. <i>Ceramic Engineering &amp; Science</i> , 2019, 1, 144-154.	0.5	8
16	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.	1.3	8
17	Synthesis and tribological behavior of novel wear-resistant PEEK/Ti <sub>3</sub> SiC <sub>2</sub> composites. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2017, 231, 422-428.	1.0	7
18	Beneficial usage of recycled polymer particulates for designing novel 3D printed composites. <i>Progress in Additive Manufacturing</i> , 2018, 3, 33-38.	2.5	6

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19	Oxidation-Induced Sintering: An Innovative Method for Manufacturing Porous Ceramics. International Journal of Applied Ceramic Technology, 2014, 11, 817-823.	1.1	4
20	Novel Ternary Boride (MoAlB) Particulates as Solid Lubricant Additives in Ni-matrix Composites. , 2018, , .		3
21	Synthesis and Characterization of Novel Ti <sub>3</sub> SiC <sub>2</sub> Reinforced Ni-Matrix Multilayered Composite-Based Solid Lubricants. Lubricants, 2019, 7, 110.	1.2	3
22	Exploration of solvent casting for designing engineered microstructures for biomedical and functional applications. Journal of the American Ceramic Society, 2022, 105, 1864-1881.	1.9	3
23	Synthesis and characterization of novel foams by pyrolysis of lignin. Tappi Journal, 2019, 18, 45-56.	0.2	3
24	Synthesis and Tribological Behavior of Ultra High Molecular Weight Polyethylene (UHMWPE)-Lignin Composites. Lubricants, 2016, 4, 31.	1.2	2
25	A Perspective on Green Body Fabrication and Design for Sustainable Manufacturing. , 2016, , 549-580.		1
26	Synthesis and Characterization of Novel Ni-Ti <sub>3</sub> SiC <sub>2</sub> Composites. Ceramic Engineering and Science Proceedings, 0, , 105-116.	0.1	1
27	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.	1.2	0
28	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	0
29	Novel Engineered Cementitious Materials by using Class C Fly Ash as a Cementitious Phase. , 0, , 35-43.		0
30	Synthesis of ternary ceramics (Cr <sub>2</sub> AlC) by using biochars. International Journal of Applied Ceramic Technology, 0, , .	1.1	0