

# Surojit Gupta

## List of Publications by Year in descending order

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30  
papers

613  
citations

759233

12  
h-index

610901

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33  
all docs

33  
docs citations

33  
times ranked

526  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploration of solvent casting for designing engineered microstructures for biomedical and functional applications. Journal of the American Ceramic Society, 2022, 105, 1864-1881.	3.8	3
2	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.	3.7	11
3	The Potential of Machine Learning for Enhancing CO2 Sequestration, Storage, Transportation, and Utilization-based Processes: A Brief Perspective. Jom, 2022, 74, 414-428.	1.9	24
4	On the potential of polyetheretherketone matrix composites reinforced with ternary nanolaminates for tribological and biomedical applications. Journal of Applied Polymer Science, 2021, 138, 49980.	2.6	8
5	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.	0.4	0
6	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.	2.5	0
7	On the Design of Novel Biofoams Using Lignin, Wheat Straw, and Sugar Beet Pulp as Precursor Material. ACS Omega, 2020, 5, 17078-17089.	3.5	13
8	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.	2.5	18
9	Synthesis and characterization of novel polymer matrix composites reinforced with max phases (Ti <sub>3</sub> Ti <sub>2</sub> ETQq1 1 0.784314 rgBT /Over Ceramic Engineering & Science, 2019, 1, 144-154.	1.2	8
10	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.	2.9	3
11	Synthesis and characterization of novel foams by pyrolysis of lignin. Tappi Journal, 2019, 18, 45-56.	0.5	3
12	Synthesis and tribological behavior of novel UHMWPE-Ti <sub>3</sub> SiC <sub>2</sub> composites. Polymer Composites, 2018, 39, 254-262.	4.6	16
13	Novel Ternary Boride (MoAlB) Particulates as Solid Lubricant Additives in Ni-matrix Composites. , 2018, , .		3
14	Beneficial usage of recycled polymer particulates for designing novel 3D printed composites. Progress in Additive Manufacturing, 2018, 3, 33-38.	4.8	6
15	Synthesis and tribological behavior of novel wear-resistant PEEK-Ti <sub>3</sub> SiC <sub>2</sub> composites. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2017, 231, 422-428.	1.8	7
16	Synthesis and tribological behavior of novel Ag- and Bi-based composites reinforced with Ti <sub>3</sub> SiC <sub>2</sub> . Wear, 2017, 376-377, 1074-1083.	3.1	17
17	Synthesis and Tribological Behavior of Ultra High Molecular Weight Polyethylene (UHMWPE)-Lignin Composites. Lubricants, 2016, 4, 31.	2.9	2
18	A Novel Strategy for Carbon Capture and Sequestration by rHLPD Processing. Frontiers in Energy Research, 2016, 3, .	2.3	22

#	ARTICLE	IF	CITATIONS
19	A Perspective on Green Body Fabrication and Design for Sustainable Manufacturing. , 2016, , 549-580.		1
20	Reactive Hydrothermal Liquidâ€Phase Densification (<scp>rHLPD</scp>) of Ceramics â€ A Study of the BaTiO<sub>3</sub>[TiO<sub>2</sub>] Composite System. Journal of the American Ceramic Society, 2016, 99, 3893-3901.	3.8	30
21	Synthesis and Characterization of Ti3SiC2 Particulate-Reinforced Novel Zn Matrix Composites. Journal of Materials Engineering and Performance, 2015, 24, 4071-4076.	2.5	15
22	Synthesis and Characterization of Novel Al-Matrix Composites Reinforced with Ti3SiC2 Particulates. Journal of Materials Engineering and Performance, 2015, 24, 1011-1017.	2.5	18
23	Tribological Behavior of Novel Ti<sub>3</sub>SiC<sub>2</sub> (Natural Nanolaminates)-Reinforced Epoxy Composites during Dry Sliding. Tribology Transactions, 2015, 58, 560-566.	2.0	27
24	Oxidationâ€Induced Sintering: An Innovative Method for Manufacturing Porous Ceramics. International Journal of Applied Ceramic Technology, 2014, 11, 817-823.	2.1	4
25	On the tribology of the MAX phases and their composites during dry sliding: A review. Wear, 2011, 271, 1878-1894.	3.1	168
26	Ta2AlC and Cr2AlC Ag-based compositesâ€New solid lubricant materials for use over a wide temperature range against Ni-based superalloys and alumina. Wear, 2007, 262, 1479-1489.	3.1	90
27	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.	2.9	88
28	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
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 2 AlC) by using biochars. International Journal of Applied Ceramic Technology, 0, , .	2.1	0