

Surojit Gupta

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

613
citations

858243

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g-index

33
all docs

33
docs citations

33
times ranked

599
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.	1.9	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.	1.7	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.	0.9	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.	1.3	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.	0.3	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.	1.2	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.	1.6	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.	1.2	18
9	Synthesis and characterization of novel polymer matrix composites reinforced with max phases (Ti ₃ Ti ₂ ETQq1 1 0.784314 rgBT /Over Ceramic Engineering & Science, 2019, 1, 144-154.	0.5	8
10	Synthesis and Characterization of Novel Ti ₃ SiC ₂ Reinforced Ni-Matrix Multilayered Composite-Based Solid Lubricants. Lubricants, 2019, 7, 110.	1.2	3
11	Synthesis and characterization of novel foams by pyrolysis of lignin. Tappi Journal, 2019, 18, 45-56.	0.2	3
12	Synthesis and tribological behavior of novel UHMWPE-Ti ₃ SiC ₂ composites. Polymer Composites, 2018, 39, 254-262.	2.3	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.	2.5	6
15	Synthesis and tribological behavior of novel wear-resistant PEEK-Ti ₃ SiC ₂ composites. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2017, 231, 422-428.	1.0	7
16	Synthesis and tribological behavior of novel Ag- and Bi-based composites reinforced with Ti ₃ SiC ₂ . Wear, 2017, 376-377, 1074-1083.	1.5	17
17	Synthesis and Tribological Behavior of Ultra High Molecular Weight Polyethylene (UHMWPE)-Lignin Composites. Lubricants, 2016, 4, 31.	1.2	2
18	A Novel Strategy for Carbon Capture and Sequestration by rHLPD Processing. Frontiers in Energy Research, 2016, 3, .	1.2	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 BaTiO₃[TiO₂] Composite System. Journal of the American Ceramic Society, 2016, 99, 3893-3901.	1.9	30
21	Synthesis and Characterization of Ti3SiC2 Particulate-Reinforced Novel Zn Matrix Composites. Journal of Materials Engineering and Performance, 2015, 24, 4071-4076.	1.2	15
22	Synthesis and Characterization of Novel Al-Matrix Composites Reinforced with Ti3SiC2 Particulates. Journal of Materials Engineering and Performance, 2015, 24, 1011-1017.	1.2	18
23	Tribological Behavior of Novel Ti₃SiC₂ (Natural Nanolaminates)-Reinforced Epoxy Composites during Dry Sliding. Tribology Transactions, 2015, 58, 560-566.	1.1	27
24	Oxidationâ€Induced Sintering: An Innovative Method for Manufacturing Porous Ceramics. International Journal of Applied Ceramic Technology, 2014, 11, 817-823.	1.1	4
25	On the tribology of the MAX phases and their composites during dry sliding: A review. Wear, 2011, 271, 1878-1894.	1.5	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.	1.5	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.	1.3	88
28	Synthesis and Characterization of Novel NI-Ti₃ SIC₂ 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, , .	1.1	0