

Sampad K Biswas

List of Publications by Year in descending order

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24
papers

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687363

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24
all docs

24
docs citations

24
times ranked

346
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, Properties, and Oxidation of Alumina-Titanium Nitride Composites. Journal of the American Ceramic Society, 1990, 73, 142-145.	3.8	36
2	Effects of Process Parameters on Hole Circularity and Taper in Pulsed Nd:YAG Laser Microdrilling of Tin-Al ₂ O ₃ Composites. Materials and Manufacturing Processes, 2010, 25, 503-514.	4.7	34
3	Microstructure, mechanical, EPR and optical properties of lithium disilicate glasses and glass-ceramics doped with Mn ²⁺ ions. Journal of Alloys and Compounds, 2012, 512, 105-114.	5.5	34
4	Electro Discharge Machining of Titanium Nitride-Aluminium Oxide Composite for Optimum Process Critical Yield. Materials and Manufacturing Processes, 2009, 24, 1312-1320.	4.7	31
5	Comparison of ballistic performances of Al ₂ O ₃ and AlN ceramics. International Journal of Impact Engineering, 2016, 98, 42-51.	5.0	31
6	Characterization of hole circularity in pulsed Nd:YAG laser micro-drilling of TiN-Al ₂ O ₃ composites. International Journal of Advanced Manufacturing Technology, 2010, 51, 983-994.	3.0	30
7	Shock deformation of coarse grain alumina above Hugoniot elastic limit. Journal of Materials Science, 2010, 45, 3635-3651.	3.7	30
8	Gas pressure sintering of silicon nitride – current status. Materials Chemistry and Physics, 2001, 67, 175-179.	4.0	21
9	AlN-SWCNT Metacomposites Having Tunable Negative Permittivity in Radio and Microwave Frequencies. ACS Applied Materials & Interfaces, 2019, 11, 48212-48220.	8.0	18
10	Synthesis of spherical Al ₂ O ₃ and AlN powder from C@Al ₂ O ₃ composite powder. Journal of Materials Science, 2006, 41, 4699-4705.	3.7	17
11	Electron microscopy of shock deformation in alumina. Ceramics International, 2011, 37, 2365-2376.	4.8	17
12	Nanoindentation of shock deformed alumina. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 6478-6483.	5.6	16
13	Indentation size effect of alumina ceramic shocked at 12GPa. International Journal of Refractory Metals and Hard Materials, 2012, 33, 22-32.	3.8	14
14	Gas Pressure Sintering of Silicon Nitride Powder Coated with Al ₂ O ₃ and TiO ₂ . Journal of the American Ceramic Society, 2003, 86, 212-216.	3.8	13
15	Aluminum nitride-single walled carbon nanotube nanocomposite with superior electrical and thermal conductivities. Journal of the American Ceramic Society, 2017, 100, 3360-3364.	3.8	12
16	Slurry erosion behaviour of marble powder filled needle punched nonwoven reinforced epoxy composite: an optimization using Taguchi approach. Materials Research Express, 2019, 6, 105318.	1.6	11
17	Electrical conduction in aluminum nitride-single-walled carbon nanotube nanocomposites. Materials Letters, 2018, 215, 144-147.	2.6	8
18	Micro hole fabrication in TiN-Al ₂ O ₃ ceramic composite by SiC powder assisted micro- EDM. Engineering Research Express, 2020, 2, 015028.	1.6	8

#	ARTICLE	IF	CITATIONS
19	Experimental and numerical investigation of thermal conductivity of marble dust filled needle punched nonwoven jute-epoxy hybrid composite. <i>Materials Today: Proceedings</i> , 2021, 38, 248-252.	1.8	8
20	Effect of quenching and partitioning on the microstructure and mechanical properties of a medium carbon low alloy low silicon (0.3Câ€“1.0Mnâ€“0.4Siâ€“0.6Crâ€“0.46Niâ€“0.26Mo) steel. <i>Materials Research Express</i> , 2018, 5, 116503.	1.6	7
21	Enrichment of Metallic Single-Walled Carbon Nanotubes with Simultaneous Purification by Nitric Acid Treatment. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 542-548.	2.1	5
22	Nanohardness of Sintered and Shock Deformed Alumina. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 459-470.	2.2	4
23	Chemisorption of Yttrium Nitrate on AlN Particles. <i>Journal of the American Ceramic Society</i> , 2004, 87, 749-751.	3.8	1
24	Comparative Study of Indentation Size Effects in As-Sintered Alumina and Alumina Shock Deformed at 6.5 and 12â€“GPa. , 2012, 2012, 1-11.		1