Suswagata Poria

List of Publications by Year
in descending order

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29	405	933447 10	794594 19
papers	citations	h-index	g-index

29	29	29	210
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tribological Characterization of Stir-cast Aluminium-TiB2 Metal Matrix Composites. Silicon, 2016, 8, 591-599.	3.3	111
2	Dry sliding tribological behavior of AZ31-WC nano-composites. Journal of Magnesium and Alloys, 2019, 7, 315-327.	11.9	68
3	Corrosion behavior of AZ31-WC nano-composites. Journal of Magnesium and Alloys, 2019, 7, 681-695.	11.9	38
4	Tribological behavior of Al-WC nano-composites fabricated by ultrasonic cavitation assisted stir-cast method. Materials Research Express, 2018, 5, 036521.	1.6	27
5	Nano-indentation and Corrosion Characteristics of Ultrasonic Vibration Assisted Stir-Cast AZ31â€“WCâ€“Graphite Nano-composites. International Journal of Metalcasting, 2021, 15, 1058-1072.	1.9	21
6	Tribological behavior of Mg-WC nano-composites at elevated temperature. Materials Research Express, 2019, 6, 0865c6.	1.6	19
7	Abrasive wear behavior of WC nanoparticle reinforced magnesium metal matrix composites. Surface Topography: Metrology and Properties, 2020, 8, 025001.	1.6	18
8	HIGH TEMPERATURE TRIBOLOGICAL BEHAVIOR OF STIR-CAST Alâ€“TiB₂ METAL MATRIX COMPOSITES. Surface Review and Letters, 2018, 25, 1850122.	1.1	13
9	Wear and friction behavior of Al-TiB₂-nano-Gr hybrid composites fabricated through ultrasonic cavitation assisted stir casting. Materials Research Express, 2018, 5, 056509.	1.6	12
10	Nanoindentation and Scratch Resistance Characteristics of AZ31â€“WC Nanocomposites. Journal of Molecular and Engineering Materials, 2019, 07, .	1.8	11
11	Design of Experiments Analysis of Friction Behavior of Mg-WC Nano-composites using Taguchi Methodology. Materials Today: Proceedings, 2019, 18, 4026-4033.	1.8	8
12	Design of Experiments Analysis of Friction Behavior of Al-TiB 2 Composite. Materials Today: Proceedings, 2017, 4, 2956-2964.	1.8	7
13	Design of Experiments Analysis of Wear Behavior of Stir Cast Al-TiB2 Composite in Lubricated Condition. Materials Today: Proceedings, 2018, 5, 5221-5228.	1.8	7
14	Design of Experiments Analysis of Abrasive Wear Behavior of Stir Cast Al-TiB2 Composites. Materials Today: Proceedings, 2019, 18, 4253-4260.	1.8	6
15	Wear performance optimization of stir cast Al-TiB₂metal matrix composites using Taguchi design of experiments. IOP Conference Series: Materials Science and Engineering, 2016, 149, 012085.	0.6	4
16	Wear performance of Mg-WC metal matrix nanocomposites using Taguchi methodology. Materials Today: Proceedings, 2019, 19, 177-181.	1.8	4
17	Design of experiments analysis of abrasive friction behavior of Al-TiB2 composites. Materials Today: Proceedings, 2019, 19, 218-222.	1.8	4
18	Tribological Characteristics of Stir-Cast Al-TiB2 Metal Matrix Composites in Lubricated Condition Using Taguchi Based Grey Relation Analysis. Materials Today: Proceedings, 2018, 5, 23629-23637.	1.8	3

#	Article	IF	Citations
19	Corrosion and lubricated sliding tribological behavior of Al-TiB2-nano Gr hybrid composites. Materials Research Express, 2018, 5, 076519.	1.6	3
20	Synthesis and characterization of Al-B4C nano composites. Materials Today: Proceedings, 2019, 19, 170-176.	1.8	3
21	Corrosion behavior of stir-cast Alâ€“TiB2 metal matrix composites. International Journal of Materials Research, 2019, 110, 148-154.	0.3	3
22	Understanding Fabrication and Properties of Magnesium Matrix Nanocomposites. Materials Horizons, 2021, , 229-252.	0.6	3
23	Optimization of Tribological Behavior of Mg-Wc Nanocomposites at Elevated Temperature. International Journal of Surface Engineering and Interdisciplinary Materials Science, 2020, 8, 25-43.	0.4	3
24	Mg-WC Nanocompositesâ€”Recent Advances and Perspectives. Materials Horizons, 2021, , 199-228.	0.6	2
25	Tribological and Corrosion Behavior of Al-TiB2 Metal Matrix Compositesâ€”An Overview. Materials Horizons, 2021, , 171-197.	0.6	2
26	Abrasive wear behavior of Al-TiB2 and Al-TiB2-nano-graphite metal matrix composites. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 1146-1159.	1.1	2
27	High Temperature Tribology of A413/B4C Nanocomposites under Dry Sliding Contact. Materials Performance and Characterization, 2020, 9, 20200008.	0.3	2
28	Optimization of Tribological Behavior of Mg-Wc Nanocomposites at Elevated Temperature. , 2021, , 1135-1152.		1
29	TRIBOLOGICAL EVALUATION OF AL/TiB₂/NANO-GR HYBRID COMPOSITES EXPOSED TO ELEVATED TEMPERATURE. Surface Review and Letters, 2020, 27, 1950132.	1.1	0