

Rajesh Shanmugavel

List of Publications by Year in descending order

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38
papers

370
citations

840776

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39
docs citations

39
times ranked

307
citing authors

#	ARTICLE	IF	CITATIONS
1	Animal fiber characterization and fiber loading effect on mechanical behaviors of sheep wool fiber reinforced polyester composites. <i>Journal of Natural Fibers</i> , 2022, 19, 4007-4023.	3.1	13
2	Effect of silica fume and recycled concrete aggregate on the mechanical properties of GGBS based geopolymer concrete. <i>Materials Today: Proceedings</i> , 2022, 60, 211-215.	1.8	12
3	Al-Mg-MoS ₂ Reinforced Metal Matrix Composites: Machinability Characteristics. <i>Materials</i> , 2022, 15, 4548.	2.9	21
4	Experimental analysis of tamarind seed powder-based flash powder composition for eco-friendly firecrackers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 3009-3021.	3.6	7
5	Kinetic studies validated by Artificial Neural Network simulation for the removal of dye from simulated waste water by the activated carbon produced from <i>Acalypha indica</i> leaves. <i>Environmental Technology and Innovation</i> , 2021, 21, 101244.	6.1	7
6	Investigation of Al-Mg based composite incorporated with MoS ₂ through powder metallurgy. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2021, 235, 986-996.	2.5	13
7	TOPSIS multiobjective optimization of powder metallurgy process parameters: Al-NiTi-SiC smart composites. <i>Materials Today: Proceedings</i> , 2021, 45, 6907-6910.	1.8	0
8	Investigation of abrasive water jet machining parameters on turkey fibre reinforced polyester composites. <i>Materials Today: Proceedings</i> , 2021, 45, 8000-8005.	1.8	5
9	Ergonomic evaluation of workers during manual material handling. <i>Materials Today: Proceedings</i> , 2021, 46, 7770-7776.	1.8	13
10	Hypothetical study on waste heat recovery and filtration system of cement manufacturing process in cement industry. <i>Materials Today: Proceedings</i> , 2021, 46, 7777-7782.	1.8	1
11	Micro machining in biological perspective – Critical review. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	0
12	Influence of aluminium in firecracker chemical composition on workplace hazards. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	1
13	A comprehensive review on the effect of precipitation on mechanical properties of friction stir welded aluminium alloys. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 6345-6356.	2.1	4
14	Basalt fiber hybridization effects on the thermal degradation properties of curauã fiber composites. <i>Materials Today: Proceedings</i> , 2020, 28, 258-260.	1.8	6
15	Study on noise level reduction in tamarind seed powder based fire cracker. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3
16	Investigation to Appraise the Abrasive Water Jet Response of Curauã/Basalt Hybrid Polyester Composites. <i>International Journal of Manufacturing, Materials, and Mechanical Engineering</i> , 2019, 9, 13-29.	0.4	4
17	Thermal and Solutal Buoyancy Effects on Mixing of Opposed Laminar Jets in a Two-Dimensional Passive Mixer at a Higher Reynolds Number. <i>International Journal of Mechanical and Production Engineering Research and Development</i> , 2019, 9, 923-930.	0.1	1
18	AWJ machinability performance of CS/UPR composites with the effect of chemical treatment. <i>Materials and Manufacturing Processes</i> , 2018, 33, 452-461.	4.7	15

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19	Wear resistance of basalt particulate-reinforced stir-cast Al7075 metal matrix composites. Journal of the Australian Ceramic Society, 2018, 54, 119-128.	1.9	15
20	Solid particle erosive behaviour of sillimanite reinforced aluminium metal matrix composites. Materials Research Express, 2018, 5, 066514.	1.6	11
21	Electrical Discharge Machining of Sillimanite Reinforced Aluminium Metal Matrix Composites. Journal of Advanced Microscopy Research, 2018, 13, 171-175.	0.3	1
22	Some studies on drilling of red mud reinforced aluminum composite. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2017, 231, 382-393.	1.1	3
23	AWJM Performance of jute/polyester composite using MOORA and analytical models. Materials and Manufacturing Processes, 2017, 32, 1730-1739.	4.7	51
24	Mechanical and Machinability characteristics of Alâ€“NiTi composites reinforced with SiC particulates. Journal of the Australian Ceramic Society, 2017, 53, 177-185.	1.9	3
25	Machinability performance of Alâ€“NiTi and Alâ€“NiTiâ€“nano SiC composites with parametric optimization using GSA. Journal of the Australian Ceramic Society, 2017, 53, 599-609.	1.9	4
26	Process Optimization and Wear Behavior of Red Mud Reinforced Aluminum Composites. Advances in Tribology, 2016, 2016, 1-7.	2.1	12
27	Processing and characterization of redmud reinforced polypropylene composites. IOP Conference Series: Materials Science and Engineering, 2016, 152, 012053.	0.6	3
28	Experimental investigation on heat transfer enhancement from a channel with square blocks and identification of most influencing parameters using Taguchi approach. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 3253-3266.	2.1	1
29	Dry sliding wear behavior of SiC and B₄C-reinforced AA6351 metal matrix composite produced by stir casting process. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2016, 230, 484-491.	1.1	12
30	Mechanical and machining performance of glass and coconut sheath fibre polyester composites using AWJM. Journal of Reinforced Plastics and Composites, 2015, 34, 564-580.	3.1	45
31	Optimization of the red mudâ€“aluminum composite in the turning process by the Grey relational analysis with entropy. Journal of Composite Materials, 2014, 48, 2097-2105.	2.4	18
32	Multi-response optimization of machining parameters on red mud-based aluminum metal matrix composites in turning process. International Journal of Advanced Manufacturing Technology, 2013, 67, 811-821.	3.0	30
33	MOORA-Based Tribological Studies on Red Mud Reinforced Aluminum Metal Matrix Composites. Advances in Tribology, 2013, 2013, 1-8.	2.1	17
34	Tensile and Hardness Properties of Sheep Wool Fiber Reinforced Polyester Composite. Materials Science Forum, 0, 969, 266-270.	0.3	7
35	Batch and column studies on the removal of methyl orange by Acalypha indica biomass using gravitational search algorithm as an optimization tool. , 0, 147, 385-397.		4
36	Sustainable design and development of commercial system cleanser unit for trimmers. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892210851.	2.5	1

#	ARTICLE	IF	CITATIONS
37	A comprehensive review on the impact of nanofluid in solar photovoltaic/thermal system. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622110556.	2.1	0
38	Rheological properties of magnetorheological fluids with different base fluids and a compatible additive. Indian Journal of Physics, 0, , .	1.8	0