

Rajesh Shanmugavel

List of Publications by Year in descending order

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38
papers

370
citations

840776

11
h-index

839539

18
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39
all docs

39
docs citations

39
times ranked

307
citing authors

#	ARTICLE	IF	CITATIONS
1	AWJM Performance of jute/polyester composite using MOORA and analytical models. <i>Materials and Manufacturing Processes</i> , 2017, 32, 1730-1739.	4.7	51
2	Mechanical and machining performance of glass and coconut sheath fibre polyester composites using AWJM. <i>Journal of Reinforced Plastics and Composites</i> , 2015, 34, 564-580.	3.1	45
3	Multi-response optimization of machining parameters on red mud-based aluminum metal matrix composites in turning process. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 67, 811-821.	3.0	30
4	Al-Mg-MoS ₂ Reinforced Metal Matrix Composites: Machinability Characteristics. <i>Materials</i> , 2022, 15, 4548.	2.9	21
5	Optimization of the red mud–aluminum composite in the turning process by the Grey relational analysis with entropy. <i>Journal of Composite Materials</i> , 2014, 48, 2097-2105.	2.4	18
6	MOORA-Based Tribological Studies on Red Mud Reinforced Aluminum Metal Matrix Composites. <i>Advances in Tribology</i> , 2013, 2013, 1-8.	2.1	17
7	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
8	Wear resistance of basalt particulate-reinforced stir-cast Al7075 metal matrix composites. <i>Journal of the Australian Ceramic Society</i> , 2018, 54, 119-128.	1.9	15
9	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
10	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
11	Ergonomic evaluation of workers during manual material handling. <i>Materials Today: Proceedings</i> , 2021, 46, 7770-7776.	1.8	13
12	Process Optimization and Wear Behavior of Red Mud Reinforced Aluminum Composites. <i>Advances in Tribology</i> , 2016, 2016, 1-7.	2.1	12
13	Dry sliding wear behavior of SiC and B ₄ C-reinforced AA6351 metal matrix composite produced by stir casting process. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2016, 230, 484-491.	1.1	12
14	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
15	Solid particle erosive behaviour of sillimanite reinforced aluminium metal matrix composites. <i>Materials Research Express</i> , 2018, 5, 066514.	1.6	11
16	Tensile and Hardness Properties of Sheep Wool Fiber Reinforced Polyester Composite. <i>Materials Science Forum</i> , 0, 969, 266-270.	0.3	7
17	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
18	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

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19	Basalt fiber hybridization effects on the thermal degradation properties of curauã fiber composites. Materials Today: Proceedings, 2020, 28, 258-260.	1.8	6
20	Investigation of abrasive water jet machining parameters on turkey fibre reinforced polyester composites. Materials Today: Proceedings, 2021, 45, 8000-8005.	1.8	5
21	Machinability performance of Al-NiTi nano SiC composites with parametric optimization using GSA. Journal of the Australian Ceramic Society, 2017, 53, 599-609.	1.9	4
22	Investigation to Appraise the Abrasive Water Jet Response of Curaua/Basalt Hybrid Polyester Composites. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2019, 9, 13-29.	0.4	4
23	A comprehensive review on the effect of precipitation on mechanical properties of friction stir welded aluminium alloys. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 6345-6356.	2.1	4
24	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
25	Processing and characterization of redmud reinforced polypropylene composites. IOP Conference Series: Materials Science and Engineering, 2016, 152, 012053.	0.6	3
26	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
27	Mechanical and Machinability characteristics of Al-NiTi composites reinforced with SiC particulates. Journal of the Australian Ceramic Society, 2017, 53, 177-185.	1.9	3
28	Study on noise level reduction in tamarind seed powder based fire cracker. AIP Conference Proceedings, 2019, , .	0.4	3
29	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
30	Hypothetical study on waste heat recovery and filtration system of cement manufacturing process in cement industry. Materials Today: Proceedings, 2021, 46, 7777-7782.	1.8	1
31	Influence of aluminium in firecracker chemical composition on workplace hazards. Materials Today: Proceedings, 2021, , .	1.8	1
32	Electrical Discharge Machining of Sillimanite Reinforced Aluminium Metal Matrix Composites. Journal of Advanced Microscopy Research, 2018, 13, 171-175.	0.3	1
33	Thermal and Solutal Buoyancy Effects on Mixing of Opposed Laminar Jets in a Two-Dimensional Passive Mixer at a Higher Reynolds Number. International Journal of Mechanical and Production Engineering Research and Development, 2019, 9, 923-930.	0.1	1
34	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
35	TOPSIS multiobjective optimization of powder metallurgy process parameters: Al-NiTi-SiC smart composites. Materials Today: Proceedings, 2021, 45, 6907-6910.	1.8	0
36	Micro machining in biological perspective - Critical review. Materials Today: Proceedings, 2021, , .	1.8	0

#	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