

Venkatesh R

List of Publications by Year in descending order

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26
papers

387
citations

840776

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times ranked

87
citing authors

#	ARTICLE	IF	CITATIONS
1	A CFD investigation and heat transfer augmentation of double pipe heat exchanger by employing helical baffles on shell and tube side. <i>Thermal Science</i> , 2022, 26, 991-998.	1.1	3
2	The Investigation on Newly Developed of Hydrophobic Coating on Cast AZ91D Magnesium Alloy Under 3.5Åwt% NaCl Solutions. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 1246-1258.	3.7	18
3	Synthesis and Characterization of Mechanical Properties of AA8014 + Si3N4/ ZrO2 Hybrid Composites by Stir Casting Process. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-11.	1.8	13
4	Salt spray corrosion study on aluminium metal matrix composites (AMMCs) prepared by powder metallurgy route. <i>Materials Today: Proceedings</i> , 2022, 62, 1954-1957.	1.8	6
5	Influence of stir casting parameters in mechanical strength analysis of Aluminium Metal Matrix Composites (AMMCs). <i>Materials Today: Proceedings</i> , 2022, 62, 1965-1968.	1.8	20
6	Evaluation of mechanical strength of the stir casted aluminium Metal matrix composites (AMMCs) using Taguchi method. <i>Materials Today: Proceedings</i> , 2022, 62, 1943-1946.	1.8	17
7	UV- and visible-light-driven TiO2/La2O3 and TiO2/Al2O3 nanocatalysts: synthesis and enhanced photocatalytic activity. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	2.3	21
8	Synthesis and Experimental Investigations of Tribological and Corrosion Performance of AZ61 Magnesium Alloy Hybrid Composites. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-12.	2.7	13
9	Influence of Different Frequency Pulse on Weld Bead Phase Ratio in Gas Tungsten Arc Welding by Ferritic Stainless Steel AISI-409L. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-11.	2.7	19
10	Magnesium alloy machining and its methodology: A systematic review and analyses. <i>AIP Conference Proceedings</i> , 2022, , .	0.4	15
11	Experimental study of shell and tube heat exchanger. <i>AIP Conference Proceedings</i> , 2022, , .	0.4	3
12	Performance analysis of steam generators in thermal power plant. <i>AIP Conference Proceedings</i> , 2022, , .	0.4	1
13	Performance study on glazed solar air heater for agri products. <i>Materials Today: Proceedings</i> , 2022, 69, 633-636.	1.8	5
14	Studies on Corrosion Behavior of Mg-Al-Zn-RE Cast Alloy with Powder-Coated Al and CED Mg by Salt Spray Test, Immersion Test, and Electrochemical Test. <i>International Journal of Chemical Engineering</i> , 2022, 2022, 1-11.	2.4	4
15	CFD modeling and analysis of a two-phase vapor separator. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 2719-2726.	3.6	19
16	Multi-objective optimization of performance characteristics in drilling of Mg AZ61 using twist end mill drill tool. <i>Materials Today: Proceedings</i> , 2021, 37, 214-219.	1.8	12
17	Experimental and CFD investigation of helical coil heat exchanger with flower baffle. <i>Materials Today: Proceedings</i> , 2021, 37, 2174-2182.	1.8	18
18	Randomly captured thermal imaging pictures in a routine life. <i>Materials Today: Proceedings</i> , 2021, 37, 3099-3111.	1.8	1

#	ARTICLE	IF	CITATIONS
19	Investigate of Wear Behaviour and Mechanical Properties of Titanium Diboride Reinforced AMMC Composites. Journal of New Materials for Electrochemical Systems, 2021, 24, 254-260.	0.6	0
20	Investigation of aspect ratio and friction on barrelling in billets of aluminium upset forging. Materials Today: Proceedings, 2020, 21, 601-611.	1.8	9
21	CFD simulation of heat transfer enhancement in circular tube with twisted tape insert by using nanofluids. Materials Today: Proceedings, 2020, 21, 572-577.	1.8	16
22	Optimization and microstructure analysis of Corten steel joint in mag welding by post heat treatment. Materials Today: Proceedings, 2020, 21, 673-680.	1.8	17
23	Combustion analysis of biodiesel blends with different piston geometries. Journal of Thermal Analysis and Calorimetry, 2020, 142, 1457-1467.	3.6	16
24	Teaching learning optimization and neural network for the effective prediction of heat transfer rates in tube heat exchangers. Thermal Science, 2020, 24, 575-581.	1.1	98
25	Experimental Investigation of Multipurpose Solar Heating System. Journal of Energy Engineering - ASCE, 2015, 141, .	1.9	9
26	Performance Analysis of Solar Water Heater in Multipurpose Solar Heating System. Applied Mechanics and Materials, 0, 592-594, 1706-1713.	0.2	14