

# Venkatesh R

## List of Publications by Year in descending order

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26  
papers

387  
citations

840776

11  
h-index

888059

17  
g-index

27  
all docs

27  
docs citations

27  
times ranked

87  
citing authors

#	ARTICLE	IF	CITATIONS
1	Teaching learning optimization and neural network for the effective prediction of heat transfer rates in tube heat exchangers. <i>Thermal Science</i> , 2020, 24, 575-581.	1.1	98
2	UV- and visible-light-driven TiO <sub>2</sub> /La <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> nanocatalysts: synthesis and enhanced photocatalytic activity. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	2.3	21
3	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
4	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
5	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
6	Experimental and CFD investigation of helical coil heat exchanger with flower baffle. <i>Materials Today: Proceedings</i> , 2021, 37, 2174-2182.	1.8	18
7	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
8	Optimization and microstructure analysis of Corten steel joint in mag welding by post heat treatment. <i>Materials Today: Proceedings</i> , 2020, 21, 673-680.	1.8	17
9	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
10	CFD simulation of heat transfer enhancement in circular tube with twisted tape insert by using nanofluids. <i>Materials Today: Proceedings</i> , 2020, 21, 572-577.	1.8	16
11	Combustion analysis of biodiesel blends with different piston geometries. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 1457-1467.	3.6	16
12	Magnesium alloy machining and its methodology: A systematic review and analyses. <i>AIP Conference Proceedings</i> , 2022, , .	0.4	15
13	Performance Analysis of Solar Water Heater in Multipurpose Solar Heating System. <i>Applied Mechanics and Materials</i> , 0, 592-594, 1706-1713.	0.2	14
14	Synthesis and Characterization of Mechanical Properties of AA8014 + Si <sub>3</sub> N <sub>4</sub> / ZrO <sub>2</sub> Hybrid Composites by Stir Casting Process. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-11.	1.8	13
15	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
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 Investigation of Multipurpose Solar Heating System. <i>Journal of Energy Engineering - ASCE</i> , 2015, 141, .	1.9	9
18	Investigation of aspect ratio and friction on barrelling in billets of aluminium upset forging. <i>Materials Today: Proceedings</i> , 2020, 21, 601-611.	1.8	9

#	ARTICLE	IF	CITATIONS
19	Salt spray corrosion study on aluminium metal matrix composites (AMMCs) prepared by powder metallurgy route. Materials Today: Proceedings, 2022, 62, 1954-1957.	1.8	6
20	Performance study on glazed solar air heater for agri products. Materials Today: Proceedings, 2022, 69, 633-636.	1.8	5
21	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. International Journal of Chemical Engineering, 2022, 2022, 1-11.	2.4	4
22	A CFD investigation and heat transfer augmentation of double pipe heat exchanger by employing helical baffles on shell and tube side. Thermal Science, 2022, 26, 991-998.	1.1	3
23	Experimental study of shell and tube heat exchanger. AIP Conference Proceedings, 2022, , .	0.4	3
24	Randomly captured thermal imaging pictures in a routine life. Materials Today: Proceedings, 2021, 37, 3099-3111.	1.8	1
25	Performance analysis of steam generators in thermal power plant. AIP Conference Proceedings, 2022, , .	0.4	1
26	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