

# Virendra Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

389  
citations

840119

11  
h-index

839053

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical and Mechanical Properties of Natural Leaf Fiber-Reinforced Epoxy Polyester Composites. <i>Polymers</i> , 2021, 13, 1369.	2.0	48
2	Effect of Variation of SiC Reinforcement on Wear Behaviour of AZ91 Alloy Composites. <i>Materials</i> , 2021, 14, 990.	1.3	34
3	Study of supersonic flow in a constant rate of momentum change (CRMC) ejector with frictional effects. <i>Applied Thermal Engineering</i> , 2013, 60, 61-71.	3.0	33
4	Physical and Mechanical Behaviour of Sugarcane Bagasse Fibre-Reinforced Epoxy Bio-Composites. <i>Materials</i> , 2020, 13, 5387.	1.3	33
5	Physical and Mechanical Properties of Rambans (Agave) Fiber Reinforced with Polyester Composite Materials. <i>Journal of Natural Fibers</i> , 2022, 19, 6104-6118.	1.7	28
6	Properties of functionally gradient composites reinforced with waste natural fillers. <i>Acta Periodica Technologica</i> , 2019, , 250-259.	0.5	26
7	Heat transfer augmentation in automobile radiator using Al <sub>2</sub> O <sub>3</sub> water based nanofluid. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	25
8	Fabrication and evaluation of physical and mechanical properties of jute and coconut coir reinforced polymer matrix composite. <i>Materials Today: Proceedings</i> , 2021, 38, 2572-2577.	0.9	24
9	Realization of novel constant rate of kinetic energy change (CRKEC) supersonic ejector. <i>Energy</i> , 2018, 164, 694-706.	4.5	22
10	Physico-Mechanical Properties and Taguchi Optimized Abrasive Wear of Alkali Treated and Fly Ash Reinforced Himalayan Agave Fiber Polyester Composite. <i>Journal of Natural Fibers</i> , 2022, 19, 9269-9282.	1.7	18
11	Thermal degradation and gasification characteristics of Tung Shells as an open top downdraft wood gasifier feedstock. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 1699-1706.	2.1	13
12	Mechanical Performance of Jute and Basalt Fiber Geo-grid-Reinforced Epoxy Hybrid Composite Material. <i>Journal of Natural Fibers</i> , 2021, 18, 694-704.	1.7	12
13	Investigation of mechanical and tribological performance of marble dust 7075 aluminium alloy composites. <i>Materials Today: Proceedings</i> , 2021, 44, 4542-4547.	0.9	11
14	In Situ Formation of ZrB <sub>2</sub> and Its Influence on Wear and Mechanical Properties of ADC12 Alloy Mixed Matrix Composites. <i>Materials</i> , 2021, 14, 2141.	1.3	10
15	Evaluation of Physical, Mechanical, and Wear Properties of Jatropha Shell Powder Reinforced Epoxy Glass Fiber Composites. <i>Journal of Natural Fibers</i> , 2022, 19, 12195-12207.	1.7	10
16	Computational analysis of a supersonic two-stage ejector. <i>Materials Today: Proceedings</i> , 2021, 38, 2700-2705.	0.9	9
17	Numerical study for the influences of nozzle exit position, mixing, and diffuser section lengths on performance of CRMC ejector. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, .	0.8	9
18	Numerical assessment on the performance of variable area single- and two-stage ejectors: A comparative study. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2022, 236, 114-125.	1.4	8

#	ARTICLE	IF	CITATIONS
19	Effect of nozzle exit position (NXP) on variable area mixing ejector. SN Applied Sciences, 2019, 1, 1.	1.5	7
20	Optimization of process parameters during WEDM of EN-42 spring steel. SN Applied Sciences, 2020, 2, 1.	1.5	5
21	Development of the constant rate of momentum change (CRMC) variable area nozzle. Materials Today: Proceedings, 2021, 38, 2325-2331.	0.9	4