Ravi Kumar K

List of Publications by Year
in descending order

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		759233	642732
25	786	12	23
papers	citations	h-index	g-index

26	26	26	624
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Micro structural characteristics and mechanical behaviour of aluminium matrix composites reinforced with titanium carbide. Journal of Alloys and Compounds, 2017, 723, 795-801.	5.5	155
2	Characterization of mechanical properties of aluminium/tungsten carbide composites. Measurement: Journal of the International Measurement Confederation, 2017, 102, 142-149.	5.0	132
3	Mechanical properties and characterization of zirconium oxide (ZrO2) and coconut shell ash(CSA) reinforced aluminium (Al 6082) matrix hybrid composite. Journal of Alloys and Compounds, 2018, 765, 171-179.	5.5	125
4	Characterization and optimization of Abrasive Water Jet Machining parameters of aluminium/tungsten carbide composites. Measurement: Journal of the International Measurement Confederation, 2018, 117, 57-66.	5.0	79
5	Analysis of Parameters Influencing Wear and Frictional Behavior of Aluminumâ€“Fly Ash Composites. Tribology Transactions, 2012, 55, 723-729.	2.0	41
6	Microstructural characteristics and mechanical behaviour of aluminium hybrid composites reinforced with groundnut shell ash and B4C. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	38
7	Effect of particle size on mechanical properties and tribological behaviour of aluminium/fly ash composites. Science and Engineering of Composite Materials, 2012, 19, 247-253.	1.4	34
8	Desirability-Based Multi-objective Optimization and Analysis of WEDM Characteristics of Aluminium (6082)/Tungsten Carbide Composites. Arabian Journal for Science and Engineering, 2019, 44, 893-909.	3.0	29
9	Influence of fly ash particles on tensile and impact behaviour of aluminium (Al/3Cu/8.5Si) metal matrix composites. Science and Engineering of Composite Materials, 2014, 21, 181-189.	1.4	21
10	Microstructure Characterization of Al-TiC Surface Composite Fabricated by Friction Stir Processing. IOP Conference Series: Materials Science and Engineering, 2018, 330, 012060.	0.6	18
11	Machinability Analysis and Optimization in Micro turning on tool wear for Titanium Alloy. Materials and Manufacturing Processes, 2021, 36, 792-802.	4.7	17
12	Characterization, Mechanical and Wear Behaviour of Magnesium (AZ91D)/Graphite/Tungsten Carbide Hybrid Composites Fabricated by Powder Metallurgy. Transactions of the Indian Institute of Metals, 2020, 73, 2539-2548.	1.5	14
13	Desirability based multiobjective optimisation of abrasive wear and frictional behaviour of aluminium (Al/3.25Cu/8.5Si)/fly ash composites. Tribology - Materials, Surfaces and Interfaces, 2015, 9, 128-136.	1.4	13
14	Mechanical Properties and Characterization of Polylactic Acid/Carbon Fiber Composite Fabricated by Fused Deposition Modeling. Journal of Materials Engineering and Performance, 2022, 31, 4877-4886.	2.5	13
15	Artificial neural networks based prediction of wear and frictional behaviour of aluminium (A380)â€“fly ash composites. Tribology - Materials, Surfaces and Interfaces, 2012, 6, 15-19.	1.4	10
16	Evaluation on properties and characterization of asbestos free palm kernel shell fibre (PKSF)/polymer composites for brake pads. Materials Research Express, 2019, 6, 1165d2.	1.6	10
17	Modeling and Analysis on the Influence of Reinforcement Particle Size During EDM of Aluminum (Al/3.25Cu/8.5Si)/Fly Ash Composites. Journal of Advanced Manufacturing Systems, 2016, 15, 189-207.	1.0	9
18	Artificial neural networks and multi response optimisation on EDM of aluminium (A380)/fly ash composites. International Journal of Computational Materials Science and Surface Engineering, 2016, 6, 244.	0.2	6

#	Article	IF	Citations
19	Investigation and optimization of machining through hole by abrasive water jet machining in AA6063/Bagasseash/TiN hybrid composites. Materials and Manufacturing Processes, 0, , 1-15.	4.7	6
20	Study on tribological behaviour of aluminium hybrid composites strengthened with novel groundnut shell ash and boron carbide. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2023, 237, 350-363.	2.5	5
21	Effect of parameters on grinding forces and energy while grinding Al (A356)/SiC composites. Tribology - Materials, Surfaces and Interfaces, 2014, 8, 235-240.	1.4	4
22	Analyses and Comparison of Solar Air Heater with Various Rib Roughness using Computational Fluid Dynamics (CFD). IOP Conference Series: Materials Science and Engineering, 2018, 330, 012061.	0.6	3
23	Effect of B4C and graphite particulates on the mechanical and micro structural characteristics of AA 5052 hybrid composites. Materials Today: Proceedings, 2020, 27, 2935-2940.	1.8	2
24	Influence on Mechanical Behaviour and Characterization of A6063/Bagasse and Titanium Nitride Hybrid Composites. Transactions of the Indian Institute of Metals, 2021, 74, 473-486.	1.5	1
25	Evaluation of Solar Air Heater Performance with Artificial Rib Roughness over the Absorber Plate using Finite Element Modelling Analysis. IOP Conference Series: Materials Science and Engineering, 2018, 330, 012062.	0.6	0