

Ravi Kumar K

List of Publications by Year in descending order

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25
papers

786
citations

759233

12
h-index

642732

23
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26
all docs

26
docs citations

26
times ranked

624
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Machinability Analysis and Optimization in Micro turning on tool wear for Titanium Alloy. Materials and Manufacturing Processes, 2021, 36, 792-802.	4.7	17
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	Mechanical properties and characterization of zirconium oxide (ZrO ₂) and coconut shell ash(CSA) reinforced aluminium (Al 6082) matrix hybrid composite. Journal of Alloys and Compounds, 2018, 765, 171-179.	5.5	125
15	Characterization of mechanical properties of aluminium/tungsten carbide composites. Measurement: Journal of the International Measurement Confederation, 2017, 102, 142-149.	5.0	132
16	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
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

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19	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
20	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
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	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
23	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
24	Analysis of Parameters Influencing Wear and Frictional Behavior of Aluminumâ€“Fly Ash Composites. Tribology Transactions, 2012, 55, 723-729.	2.0	41
25	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