

Titus Thankachan

List of Publications by Year in descending order

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25
papers

937
citations

430442

18
h-index

580395

25
g-index

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all docs

25
docs citations

25
times ranked

676
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-objective optimization in WEDM process of graphene @ SiC-magnesium composite through hybrid techniques. Measurement: Journal of the International Measurement Confederation, 2019, 145, 335-349.	2.5	84
2	Investigations on mechanical and machinability behavior of aluminum/flyash cenosphere/Gr hybrid composites processed through compocasting. Journal of Applied Research and Technology, 2017, 15, 430-441.	0.6	68
3	Microstructural, mechanical and tribological behavior of aluminum nitride reinforced copper surface composites fabricated through friction stir processing route. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 688, 301-308.	2.6	63
4	Synergistic improvement of epoxy derived polymer composites reinforced with Graphene Oxide (GO) plus Titanium di oxide(TiO2). Composites Part B: Engineering, 2020, 191, 107911.	5.9	62
5	Experimental investigations on wear and friction behaviour of SiC@r-GO reinforced Mg matrix composites produced through solvent-based powder metallurgy. Composites Part B: Engineering, 2019, 162, 508-521.	5.9	61
6	Surface characterization and specific wear rate prediction of r-GO/AZ31 composite under dry sliding wear condition. Surfaces and Interfaces, 2017, 6, 143-153.	1.5	55
7	Investigating the effects of hybrid reinforcement particles on the microstructural, mechanical and tribological properties of friction stir processed copper surface composites. Composites Part B: Engineering, 2019, 174, 107057.	5.9	55
8	Parametric optimization of dry sliding wear loss of copper@MWCNT composites. Transactions of Nonferrous Metals Society of China, 2017, 27, 627-637.	1.7	52
9	Influence of machining parameters on wire electrical discharge machining performance of reduced graphene oxide/magnesium composite and its surface integrity characteristics. Composites Part B: Engineering, 2019, 167, 621-630.	5.9	52
10	WEDM process parameter optimization of FSPed copper-BN composites. Materials and Manufacturing Processes, 2018, 33, 350-358.	2.7	48
11	WEDM Parameter Optimization for Silicon@r-GO/Magneisum Composite Using Taguchi Based GRA Coupled PCA. Silicon, 2020, 12, 1161-1175.	1.8	45
12	Prediction of surface roughness and material removal rate in wire electrical discharge machining on aluminum based alloys/composites using Taguchi coupled Grey Relational Analysis and Artificial Neural Networks. Applied Surface Science, 2019, 472, 22-35.	3.1	42
13	Artificial neural network to predict the degraded mechanical properties of metallic materials due to the presence of hydrogen. International Journal of Hydrogen Energy, 2017, 42, 28612-28621.	3.8	40
14	Investigations on the effect of friction stir processing on Cu-BN surface composites. Materials and Manufacturing Processes, 2018, 33, 299-307.	2.7	37
15	Optimizing the Tribological Behavior of Hybrid Copper Surface Composites Using Statistical and Machine Learning Techniques. Journal of Tribology, 2018, 140, .	1.0	36
16	Machine Learning and Statistical Approach to Predict and Analyze Wear Rates in Copper Surface Composites. Metals and Materials International, 2021, 27, 220-234.	1.8	35
17	Investigation of graphene-reinforced magnesium metal matrix composites processed through a solvent-based powder metallurgy route. Bulletin of Materials Science, 2019, 42, 1.	0.8	30
18	Effect of friction stir processing and hybrid reinforcements on copper. Materials and Manufacturing Processes, 2018, 33, 1681-1692.	2.7	23

#	ARTICLE	IF	CITATIONS
19	Characterization of ZrC reinforced AA6061 alloy composites produced using stir casting process. Journal of Mechanical Science and Technology, 2020, 34, 143-147.	0.7	13
20	Microstructure and Wear Characteristics of Nano Y2O3 Particles Reinforced A356 Alloy Composites Synthesized Through Novel Ultrasonic Assisted Stir Casting Technique. Transactions of the Indian Institute of Metals, 2022, 75, 417-426.	0.7	12
21	Artificial Neural Network-Based Modeling for Impact Energy of Cast Duplex Stainless Steel. Arabian Journal for Science and Engineering, 2018, 43, 1335-1343.	1.7	10
22	Mathematical analysis on the effect of tin on mechanical, electrical and thermal properties in magnesium-tin alloys. Materials Discovery, 2018, 12, 55-62.	3.3	4
23	Characterization of Al-Si12Fe/silicon nitride composites based on microstructure and influence of weight fraction of silicon nitride particles on the mechanical and tribological behaviour. Materials Research Express, 2019, 6, 076537.	0.8	4
24	Investigation of hybrid copper surface composite synthesized via FSP. Materials and Manufacturing Processes, 2021, 36, 1377-1383.	2.7	4
25	Artificial neural network modeling to evaluate and predict the mechanical strength of duplex stainless steel during casting. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	0.8	2