

# Titus Thankachan

## List of Publications by Year in descending order

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25  
papers

937  
citations

430442

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580395

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docs citations

25  
times ranked

676  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Investigation of hybrid copper surface composite synthesized via FSP. Materials and Manufacturing Processes, 2021, 36, 1377-1383.	2.7	4
4	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
5	WEDM Parameter Optimization for Silicon@r-GO/Magneisum Composite Using Taguchi Based GRA Coupled PCA. Silicon, 2020, 12, 1161-1175.	1.8	45
6	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
7	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
8	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
9	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
10	Multi-objective optimization in WEDM process of graphene â€“ SiC-magnesium composite through hybrid techniques. Measurement: Journal of the International Measurement Confederation, 2019, 145, 335-349.	2.5	84
11	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
12	Characterization of Alâ€“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
13	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
14	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
15	Effect of friction stir processing and hybrid reinforcements on copper. Materials and Manufacturing Processes, 2018, 33, 1681-1692.	2.7	23
16	Investigations on the effect of friction stir processing on Cu-BN surface composites. Materials and Manufacturing Processes, 2018, 33, 299-307.	2.7	37
17	WEDM process parameter optimization of FSPed copper-BN composites. Materials and Manufacturing Processes, 2018, 33, 350-358.	2.7	48
18	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

#	ARTICLE	IF	CITATIONS
19	Optimizing the Tribological Behavior of Hybrid Copper Surface Composites Using Statistical and Machine Learning Techniques. <i>Journal of Tribology</i> , 2018, 140, .	1.0	36
20	Mathematical analysis on the effect of tin on mechanical, electrical and thermal properties in magnesium-tin alloys. <i>Materials Discovery</i> , 2018, 12, 55-62.	3.3	4
21	Microstructural, mechanical and tribological behavior of aluminum nitride reinforced copper surface composites fabricated through friction stir processing route. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 688, 301-308.	2.6	63
22	Surface characterization and specific wear rate prediction of r-GO/AZ31 composite under dry sliding wear condition. <i>Surfaces and Interfaces</i> , 2017, 6, 143-153.	1.5	55
23	Parametric optimization of dry sliding wear loss of copper-MWCNT composites. <i>Transactions of Nonferrous Metals Society of China</i> , 2017, 27, 627-637.	1.7	52
24	Investigations on mechanical and machinability behavior of aluminum/flyash cenosphere/Gr hybrid composites processed through compocasting. <i>Journal of Applied Research and Technology</i> , 2017, 15, 430-441.	0.6	68
25	Artificial neural network to predict the degraded mechanical properties of metallic materials due to the presence of hydrogen. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 28612-28621.	3.8	40