

Alagarsamy S V

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Friction welding of similar and dissimilar materials: A review. <i>Materials Today: Proceedings</i> , 2023, 81, 208-211.	1.8	7
2	Investigations on Electric Discharge Machining Behaviour of Si ₃ N ₄ -TiN Ceramic Composite. <i>Silicon</i> , 2022, 14, 547-555.	3.3	13
3	Multi-objective optimisation of dry sliding wear control parameters for stir casted AA7075-TiO ₂ composites using Taguchi-Grey relational approach. <i>Australian Journal of Mechanical Engineering</i> , 2022, 20, 1453-1462.	2.1	5
4	EVALUATION OF MATERIAL REMOVAL RATE AND SURFACE ROUGHNESS IN WIRE ELECTRO-DISCHARGE MACHINING OF 10-WT.% ZrO ₂ -REINFORCED AL ALLOY COMPOSITE. <i>Surface Review and Letters</i> , 2022, 29, .	1.1	1
5	Microstructure, mechanical and wear properties of boron carbide reinforced nickel alloy composites processed by bottom pouring type stir casting process. <i>Surface Topography: Metrology and Properties</i> , 2022, 10, 015041.	1.6	4
6	Prediction of tribological performance of AA8011/wt.%ZrO ₂ based composites fabricated by stir casting route. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2022, 236, 2420-2433.	2.5	4
7	Optimization and Prediction of Tribological Behaviour of Al-Fe-Si Alloy-Based Nanograin-Refined Composites Using Taguchi with Response Surface Methodology. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-12.	2.7	10
8	Investigation of Material Removal Rate and Tool Wear Rate in Spark Erosion Machining of Al-Fe-Si Alloy Composite Using Taguchi Coupled TOPSIS Approach. <i>Silicon</i> , 2021, 13, 2529-2543.	3.3	16
9	Development of Mathematical Model for Predicting the Electric Erosion Behavior of TiO ₂ Filled Al-Zn-Mg-Cu (AA7075) Alloy Composite Using RSM-DFA Method. <i>Journal of Advanced Manufacturing Systems</i> , 2021, 20, 1-26.	1.0	10
10	Mechanical properties on INCONEL 800H alloy by TIG welding process. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	1
11	EFFECT OF MACHINING PARAMETERS ON SURFACE ROUGHNESS FOR ALUMINIUM MATRIX COMPOSITE BY USING TAGUCHI METHOD WITH DECISION TREE ALGORITHM. <i>Surface Review and Letters</i> , 2021, 28, 2150021.	1.1	4
12	Variation of electrode materials and parameters in the EDM of an AA7075-TiO ₂ composite. <i>Materialpruefung/Materials Testing</i> , 2021, 63, 182-189.	2.2	6
13	Statistical analysis of END milling parameters on aluminium matrix composite: A grey relational approach. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	1
14	Influence of EDM parameters on Al ₂ O ₃ & Gr reinforced aluminium matrix composites. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	1
15	Parametric Optimization of Mechanical Properties via FSW on AA5052 Using Taguchi Based Grey Relational Analysis. <i>INCAS Bulletin</i> , 2021, 13, 21-30.	0.6	11
16	Effect of zirconia content on properties of Al7050 alloy composites by stir casting method. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	1
17	Taguchi approach and decision tree algorithm for prediction of wear rate in zinc oxide-filled AA7075 matrix composites. <i>Surface Topography: Metrology and Properties</i> , 2021, 9, 035005.	1.6	17
18	A hybrid approach for prediction of machining performances of glass fiber reinforced plastic (Epoxy) composites. <i>Surface Topography: Metrology and Properties</i> , 2021, 9, 035046.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Effect of EDM process parameters on material removal rate and surface roughness of metal matrix composites: A review. Materials Today: Proceedings, 2020, 21, 616-618.	1.8	4
20	Prediction of surface roughness and tool wear in milling process on brass (C26130) alloy by Taguchi technique. Materials Today: Proceedings, 2020, 21, 189-193.	1.8	10
21	Friction stir processing (FSP) of numerical study based on design of experiment-review. Materials Today: Proceedings, 2020, 27, 748-751.	1.8	5
22	Parametric studies on dry sliding wear behaviour of Al-7075 alloy matrix composite using S/N ratio and ANOVA analysis. Materials Research Express, 2020, 7, 016557.	1.6	24
23	Parametric optimization for friction stir welding with AA2024 and AA6061 aluminium alloys by ANOVA and GRG. Materials Today: Proceedings, 2020, 27, 707-711.	1.8	10
24	Optimization and modeling of drilling variables on AMCs using Taguchi technique and regression analysis. Materials Today: Proceedings, 2020, , .	1.8	0
25	Investigations on properties of Mg-Al ₂ O ₃ composites fabricated via stir casting route. Materials Today: Proceedings, 2020, 27, 1132-1136.	1.8	4
26	Optimization of material removal rate in CNC turning of AA2024 via Taguchi technique. Materials Today: Proceedings, 2020, 27, 1163-1167.	1.8	7
27	Optimization of electric discharge machining process parameters on AA6351-Al ₂ O ₃ composites. Materials Today: Proceedings, 2020, 27, 1051-1054.	1.8	4
28	Effect of various reinforcements on properties of metal matrix composites: A review. Materials Today: Proceedings, 2020, 27, 1118-1121.	1.8	7
29	Optimization on machining parameters of friction surfacing of SS304 over iron plate. Materials Today: Proceedings, 2020, 27, 946-950.	1.8	1
30	Processing and properties of carbon nanotube reinforced composites: A review. Materials Today: Proceedings, 2020, 27, 1152-1156.	1.8	13
31	Prediction of optimum electric discharge machining parameters for AA7075-SiC composites. Materials Today: Proceedings, 2020, 27, 1192-1196.	1.8	2
32	A Taguchi coupled desirability function analysis of wire cut EDM behaviour of titanium dioxide filled aluminium matrix composite. Materials Today: Proceedings, 2020, 27, 853-858.	1.8	15
33	Influence of CNC turning variables on high strength Beryllium-Copper (C17200) alloy using tungsten carbide insert. Materials Today: Proceedings, 2020, 27, 925-930.	1.8	6
34	Optimization of electric discharge machining parameters on surface roughness for Al/ZrO ₂ composite through response surface methodology. Materials Today: Proceedings, 2020, 27, 1006-1012.	1.8	8
35	Mechanical properties of magnesium-silicon carbide composite fabricated through powder metallurgy route. Materials Today: Proceedings, 2020, 27, 1137-1141.	1.8	11
36	Friction welding parametric optimization of AISI 310L austenitic stainless steel weld joints - Grey relational investigation. AIP Conference Proceedings, 2020, , .	0.4	7

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37	Synthesis, microstructure and properties of TiO ₂ reinforced AA7075 matrix composites via stir casting route. Materials Research Express, 2019, 6, 086519.	1.6	50
38	Investigations on tribological behaviour of AA7075-TiO ₂ composites under dry sliding conditions. Industrial Lubrication and Tribology, 2019, 71, 1064-1071.	1.3	31
39	Machinability Study on CNC Turning of Stainless Steel 303 with CVD Multi-Layer (TiN/Al ₂ O ₃ /TiCN) Coated Carbide Insert by using Grey-Fuzzy Logic Approach. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892210787.	2.5	1
40	Optimization of tribological process parameters of titanium carbide reinforced copper matrix composites. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 0, , 135065012210850.	1.8	2