

# Alagarsamy S V

## List of Publications by Year in descending order

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40  
papers

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citations

1040056

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h-index

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g-index

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42  
docs citations

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times ranked

150  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, microstructure and properties of TiO <sub>2</sub> reinforced AA7075 matrix composites via stir casting route. <i>Materials Research Express</i> , 2019, 6, 086519.	1.6	50
2	Investigations on tribological behaviour of AA7075-TiO <sub>2</sub> composites under dry sliding conditions. <i>Industrial Lubrication and Tribology</i> , 2019, 71, 1064-1071.	1.3	31
3	Parametric studies on dry sliding wear behaviour of Al-7075 alloy matrix composite using S/N ratio and ANOVA analysis. <i>Materials Research Express</i> , 2020, 7, 016557.	1.6	24
4	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
5	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
6	A Taguchi coupled desirability function analysis of wire cut EDM behaviour of titanium dioxide filled aluminium matrix composite. <i>Materials Today: Proceedings</i> , 2020, 27, 853-858.	1.8	15
7	Investigations on Electric Discharge Machining Behaviour of Si <sub>3</sub> N <sub>4</sub> -TiN Ceramic Composite. <i>Silicon</i> , 2022, 14, 547-555.	3.3	13
8	Processing and properties of carbon nanotube reinforced composites: A review. <i>Materials Today: Proceedings</i> , 2020, 27, 1152-1156.	1.8	13
9	Mechanical properties of magnesium-silicon carbide composite fabricated through powder metallurgy route. <i>Materials Today: Proceedings</i> , 2020, 27, 1137-1141.	1.8	11
10	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
11	Prediction of surface roughness and tool wear in milling process on brass (C26130) alloy by Taguchi technique. <i>Materials Today: Proceedings</i> , 2020, 21, 189-193.	1.8	10
12	Parametric optimization for friction stir welding with AA2024 and AA6061 aluminium alloys by ANOVA and GRG. <i>Materials Today: Proceedings</i> , 2020, 27, 707-711.	1.8	10
13	Development of Mathematical Model for Predicting the Electric Erosion Behavior of TiO <sub>2</sub> 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
14	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
15	Optimization of electric discharge machining parameters on surface roughness for Al/ZrO <sub>2</sub> composite through response surface methodology. <i>Materials Today: Proceedings</i> , 2020, 27, 1006-1012.	1.8	8
16	Optimization of material removal rate in CNC turning of AA2024 via Taguchi technique. <i>Materials Today: Proceedings</i> , 2020, 27, 1163-1167.	1.8	7
17	Effect of various reinforcements on properties of metal matrix composites: A review. <i>Materials Today: Proceedings</i> , 2020, 27, 1118-1121.	1.8	7
18	Friction welding of similar and dissimilar materials: A review. <i>Materials Today: Proceedings</i> , 2023, 81, 208-211.	1.8	7

#	ARTICLE	IF	CITATIONS
19	Friction welding parametric optimization of AISI 310L austenitic stainless steel weld joints - Grey relational investigation. AIP Conference Proceedings, 2020, , .	0.4	7
20	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
21	Variation of electrode materials and parameters in the EDM of an AA7075-TiO <sub>2</sub> composite. Materialpruefung/Materials Testing, 2021, 63, 182-189.	2.2	6
22	A hybrid approach for prediction of machining performances of glass fiber reinforced plastic (Epoxy) composites. Surface Topography: Metrology and Properties, 2021, 9, 035046.	1.6	6
23	Friction stir processing (FSP) of numerical study based on design of experiment-review. Materials Today: Proceedings, 2020, 27, 748-751.	1.8	5
24	Multi-objective optimisation of dry sliding wear control parameters for stir casted AA7075-TiO <sub>2</sub> composites using Taguchi-Grey relational approach. Australian Journal of Mechanical Engineering, 2022, 20, 1453-1462.	2.1	5
25	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
26	Investigations on properties of Mg-Al <sub>2</sub> O <sub>3</sub> composites fabricated via stir casting route. Materials Today: Proceedings, 2020, 27, 1132-1136.	1.8	4
27	Optimization of electric discharge machining process parameters on AA6351-Al <sub>2</sub> O <sub>3</sub> composites. Materials Today: Proceedings, 2020, 27, 1051-1054.	1.8	4
28	EFFECT OF MACHINING PARAMETERS ON SURFACE ROUGHNESS FOR ALUMINIUM MATRIX COMPOSITE BY USING TAGUCHI METHOD WITH DECISION TREE ALGORITHM. Surface Review and Letters, 2021, 28, 2150021.	1.1	4
29	Microstructure, mechanical and wear properties of boron carbide reinforced nickel alloy composites processed by bottom pouring type stir casting process. Surface Topography: Metrology and Properties, 2022, 10, 015041.	1.6	4
30	Prediction of tribological performance of AA8011/wt.%ZrO <sub>2</sub> based composites fabricated by stir casting route. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2022, 236, 2420-2433.	2.5	4
31	Prediction of optimum electric discharge machining parameters for AA7075-SiC composites. Materials Today: Proceedings, 2020, 27, 1192-1196.	1.8	2
32	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
33	Optimization on machining parameters of friction surfacing of SS304 over iron plate. Materials Today: Proceedings, 2020, 27, 946-950.	1.8	1
34	Mechanical properties on INCONEL 800H alloy by TIG welding process. Materials Today: Proceedings, 2021, , .	1.8	1
35	Statistical analysis of END milling parameters on aluminium matrix composite: A grey relational approach. Materials Today: Proceedings, 2021, , .	1.8	1
36	Influence of EDM parameters on Al <sub>2</sub> O <sub>3</sub> & Gr reinforced aluminium matrix composites. Materials Today: Proceedings, 2021, , .	1.8	1

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37	Effect of zirconia content on properties of Al7050 alloy composites by stir casting method. Materials Today: Proceedings, 2021, , .	1.8	1
38	EVALUATION OF MATERIAL REMOVAL RATE AND SURFACE ROUGHNESS IN WIRE ELECTRO-DISCHARGE MACHINING OF 10-WT.% ZrO <sub>2</sub> -REINFORCED AL ALLOY COMPOSITE. Surface Review and Letters, 2022, 29, .	1.1	1
39	Machinability Study on CNC Turning of Stainless Steel 303 with CVD Multi-Layer (TiN/Al <sub>2</sub> O <sub>3</sub> /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 and modeling of drilling variables on AMCs using Taguchi technique and regression analysis. Materials Today: Proceedings, 2020, , .	1.8	0