

# Gurusamy Selvakumar

## List of Publications by Year in descending order

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34  
papers

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citations

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docs citations

34  
times ranked

232  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation and multi-objective optimization of wire electrical discharge machining (WEDM) of 5083 aluminum alloy. Transactions of Nonferrous Metals Society of China, 2014, 24, 373-379.	4.2	57
2	Enhancing die corner accuracy through trim cut in WEDM. International Journal of Advanced Manufacturing Technology, 2016, 83, 791-803.	3.0	42
3	Experimental investigation on die corner accuracy for wire electrical discharge machining of Monel 400 alloy. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 1694-1704.	2.4	39
4	Optimization of Process Control Parameters for WEDM of Al-LM25/Fly Ash/B4C Hybrid Composites Using Evolutionary Algorithms: A Comparative Study. Metals, 2021, 11, 1105.	2.3	21
5	Investigation on machining and surface characteristics of AA5083 for cryogenic applications by adopting trim cut in WEDM. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	19
6	An experimental analysis of single pass cutting of aluminium 5083 alloy in different corner angles through WEDM. International Journal of Machining and Machinability of Materials, 2013, 13, 262.	0.1	18
7	Experimental Study on Wire Electrical Discharge Machining of Tapered Parts. Arabian Journal for Science and Engineering, 2016, 41, 4431-4439.	1.1	17
8	Enhancing die corner accuracy using path modification strategy in wire electrical discharge machining of Monel 400. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 207-216.	2.1	12
9	Investigation on corner accuracy in wire cut EDM of AISI D3 tool steel. International Journal of Rapid Manufacturing, 2020, 9, 58.	0.5	10
10	Solution for bi-objective single row facility layout problem using artificial bee colony algorithm. European Journal of Industrial Engineering, 2018, 12, 252.	0.8	9
11	Study on preparation of Al-SiC metal matrix composites using powder metallurgy technique and its mechanical properties. Materials Today: Proceedings, 2020, 27, 1843-1847.	1.8	9
12	Experimental study on abrasive water jet machining of AA5083 in a range of thicknesses. International Journal of Abrasive Technology, 2018, 8, 218.	0.2	8
13	Experimental Investigation of Wire-EDM Machining of Low Conductive Al-SiC-TiC Metal Matrix Composite. Metals, 2020, 10, 1188.	2.3	8
14	Finite Element Analysis of Heat Input Effect on Temperature, Residual Stresses and Distortion in Butt Welded Plates. Materials Today: Proceedings, 2018, 5, 8328-8337.	1.8	7
15	Development, mechanical characterization and analysis of dry sliding wear behavior of AA6082-Al <sub>2</sub> O <sub>3</sub> /Metakaolin metal matrix composites. Materials Research Express, 2019, 6, 126516.	1.6	6
16	Investigations on the influence of particle reinforcement and wire materials on the surface quality and machining characteristics of AA6061-TiB <sub>2</sub> alloy in WEDM. Surface Topography: Metrology and Properties, 2021, 9, 035029.	1.6	6
17	Influence of barite particulate filler on the mechanical behaviour of carbon fiber reinforced LY556 epoxy matrix composites. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622110179.	2.1	6
18	Machining of ZE41 Magnesium Alloy in WEDM Using Taguchi Approach. Lecture Notes in Mechanical Engineering, 2021, , 747-753.	0.4	5

#	ARTICLE	IF	CITATIONS
19	Characterization of Raw and Alkali Treated Cellulosic Filler Isolated from <i>Putranjiva roxburghii</i> W. Seed Shell Roadside Vegetative Residues. <i>Journal of Natural Fibers</i> , 2022, 19, 14287-14298.	3.1	5
20	Optimisation of laser cutting of SS 430 plate using advanced Taguchi entropy weighted-based GRA methodology. <i>International Journal of Mechatronics and Manufacturing Systems</i> , 2018, 11, 148.	0.1	3
21	Effect of thermal history on the tensile strength of a friction stir welded aluminum alloy. <i>Materialpruefung/Materials Testing</i> , 2018, 60, 1184-1190.	2.2	3
22	Process Parameter Optimization of Laser Forming Based on FEM-RSM-GA Integration Technique. <i>Applied Mechanics and Materials</i> , 2016, 852, 236-240.	0.2	2
23	Mechanical Properties of magnesium hybrid composite reinforced with Al <sub>2</sub> O <sub>3</sub> and MoS <sub>2</sub> particles through PM route. <i>Materials Today: Proceedings</i> , 2021, 37, 2396-2400.	1.8	2
24	A novel approach in selective assembly with an arbitrary distribution to minimize clearance variation using evolutionary algorithms: a comparative study. <i>Journal of Intelligent Manufacturing</i> , 2022, 33, 1337-1354.	7.3	2
25	Wire Electrical Discharge Machining Integrity Studies on the Aluminium Nanocomposite. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 543-554.	0.4	1
26	Spark plasma processing of semi-conductive titanium carbide dispersed alumina composites. <i>Materials and Manufacturing Processes</i> , 0, , 1-9.	4.7	1
27	Prediction of Heat Generation during Friction Stir Welding of an Aluminium Alloy. <i>Applied Mechanics and Materials</i> , 2016, 852, 260-266.	0.2	0
28	A Case Study on Insulating Main Steam Line (MSL) with Silica Aerogel. <i>Applied Mechanics and Materials</i> , 2016, 852, 693-698.	0.2	0
29	Solution for Multi-Objective Single Row Facility Layout Problem Using PSO Algorithm. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2021, , 217-245.	0.2	0
30	Application of Conceive, Design, Implement and Operate (CDIO) Strategy for the Development of Engineering Education in Indian Perspective. <i>Journal of Education</i> , 0, , 002205742110164.	1.1	0
31	Effects of multi-pass cutting during wire electrical discharging. <i>Materialpruefung/Materials Testing</i> , 2019, 61, 901-906.	2.2	0
32	Pulse and Work Revolution Parameters of Wire Electrical Discharge Turning on Ti-6Al-4V Alloy. <i>Lecture Notes on Multidisciplinary Industrial Engineering</i> , 2020, , 611-620.	0.6	0
33	Experimental Study on Machining of Aluminium Silicon Alloy (LM6) in Wire Electrical Discharge Machining. <i>Springer Proceedings in Materials</i> , 2020, , 579-585.	0.3	0
34	Metallurgical Evaluation and Failure Analysis of Cracking in Wheel Rim SPFH590 Steel. <i>Materialpruefung/Materials Testing</i> , 2020, 62, 117-122.	2.2	0