

# Mahalingam Siva Kumar

## List of Publications by Year in descending order

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19  
papers

235  
citations

1040056

9  
h-index

996975

15  
g-index

21  
all docs

21  
docs citations

21  
times ranked

144  
citing authors

#	ARTICLE	IF	CITATIONS
1	RESEARCH AND REVIEW OF CLAY AND GLASS FIBER REINFORCED POLYESTER NANOCOMPOSITE MATERIALS USING OPTIMIZATION TECHNIQUES. <i>Surface Review and Letters</i> , 2022, 29, .	1.1	0
2	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
3	Meta-Heuristic Technique-Based Parametric Optimization for Electrochemical Machining of Monel 400 Alloys to Investigate the Material Removal Rate and the Sludge. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2793.	2.5	11
4	A hybrid GA-ANFIS and F-Race tuned harmony search algorithm for Multi-Response optimization of Non-Traditional Machining process. <i>Expert Systems With Applications</i> , 2022, 199, 116965.	7.6	11
5	Multi objective taguchi“grey relational analysis and krill herd algorithm approaches to investigate the parametric optimization in abrasive water jet drilling of stainless steel. <i>Applied Soft Computing Journal</i> , 2021, 102, 107075.	7.2	27
6	Minimizing Cost of Assembly of an Interrelated Dimensional Chain Product Using ABC Algorithm. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-23.	1.1	2
7	Nd: YAG laser cutting of Hastelloy C276: ANFIS modeling and optimization through WOA. <i>Materials and Manufacturing Processes</i> , 2021, 36, 1746-1760.	4.7	15
8	Harmony Search Algorithm for Minimizing Assembly Variation in Non-linear Assembly. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9213.	2.5	7
9	A Novel Methodology for Simultaneous Minimization of Manufacturing Objectives in Tolerance Allocation of Complex Assembly. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9164.	2.5	2
10	Optimization of Process Parameters for Turning Hastelloy X under Different Machining Environments Using Evolutionary Algorithms: A Comparative Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9725.	2.5	11
11	A Hybrid Approach of ANFIS“Artificial Bee Colony Algorithm for Intelligent Modeling and Optimization of Plasma Arc Cutting on Monel„¢ 400 Alloy. <i>Materials</i> , 2021, 14, 6373.	2.9	11
12	Harmony search algorithm for simultaneous minimization of bi-objectives in multi-row parallel machine layout problem. <i>Evolutionary Intelligence</i> , 2020, , 1.	3.6	6
13	Tolerance allocation of complex assembly with nominal dimension selection using Artificial Bee Colony algorithm. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 18-38.	2.1	15
14	Optimum tolerance synthesis of simple assemblies with nominal dimension selection using genetic algorithm. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2016, 230, 3488-3508.	2.1	7
15	A new algorithm for optimum tolerance allocation of complex assemblies with alternative processes selection. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 40, 819-836.	3.0	30
16	A new algorithm for minimizing surplus parts in selective assembly by using genetic algorithm. <i>International Journal of Production Research</i> , 2007, 45, 4793-4822.	7.5	21
17	Construction of closed-form equations and graphical representation for optimal tolerance allocation. <i>International Journal of Production Research</i> , 2007, 45, 1449-1468.	7.5	9
18	Optimum manufacturing tolerance to selective assembly technique for different assembly specifications by using genetic algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 32, 591-598.	3.0	48

#	ARTICLE	IF	CITATIONS
19	Minimization of total manufacturing cost of a knuckle joint assembly by means of optimal tolerance allocation using various optimization algorithms. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 0, , 095440702210786.	1.9	0