Mahalingam Siva Kumar

List of Publications by Year
in descending order

		1040056	996975
19 papers	235 citations	9 h-index	15 g-index
21 all docs	21 docs citations	21 times ranked	144 citing authors

#	Article	IF	Citations
1	Optimum manufacturing tolerance to selective assembly technique for different assembly specifications by using genetic algorithm. International Journal of Advanced Manufacturing Technology, 2007, 32, 591-598.	3.0	48
2	A new algorithm for optimum tolerance allocation of complex assemblies with alternative processes selection. International Journal of Advanced Manufacturing Technology, 2009, 40, 819-836.	3.0	30
3	Multi objective taguchiâ€"grey relational analysis and krill herd algorithm approaches to investigate the parametric optimization in abrasive water jet drilling of stainless steel. Applied Soft Computing Journal, 2021, 102, 107075.	7.2	27
4	A new algorithm for minimizing surplus parts in selective assembly by using genetic algorithm. International Journal of Production Research, 2007, 45, 4793-4822.	7.5	21
5	Tolerance allocation of complex assembly with nominal dimension selection using Artificial Bee Colony algorithm. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 18-38.	2.1	15
6	Nd: YAG laser cutting of Hastelloy C276: ANFIS modeling and optimization through WOA. Materials and Manufacturing Processes, 2021, 36, 1746-1760.	4.7	15
7	Optimization of Process Parameters for Turning Hastelloy X under Different Machining Environments Using Evolutionary Algorithms: A Comparative Study. Applied Sciences (Switzerland), 2021, 11, 9725.	2.5	11
8	A Hybrid Approach of ANFISâ€"Artificial Bee Colony Algorithm for Intelligent Modeling and Optimization of Plasma Arc Cutting on Monelâ„¢ 400 Alloy. Materials, 2021, 14, 6373.	2.9	11
9	Meta-Heuristic Technique-Based Parametric Optimization for Electrochemical Machining of Monel 400 Alloys to Investigate the Material Removal Rate and the Sludge. Applied Sciences (Switzerland), 2022, 12, 2793.	2.5	11
10	A hybrid GA-ANFIS and F-Race tuned harmony search algorithm for Multi-Response optimization of Non-Traditional Machining process. Expert Systems With Applications, 2022, 199, 116965.	7.6	11
11	Construction of closed-form equations and graphical representation for optimal tolerance allocation. International Journal of Production Research, 2007, 45, 1449-1468.	7.5	9
12	Optimum tolerance synthesis of simple assemblies with nominal dimension selection using genetic algorithm. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 3488-3508.	2.1	7
13	Harmony Search Algorithm for Minimizing Assembly Variation in Non-linear Assembly. Applied Sciences (Switzerland), 2021, 11, 9213.	2.5	7
14	Harmony search algorithm for simultaneous minimization of bi-objectives in multi-row parallel machine layout problem. Evolutionary Intelligence, 2020, , 1.	3.6	6
15	Minimizing Cost of Assembly of an Interrelated Dimensional Chain Product Using ABC Algorithm. Mathematical Problems in Engineering, 2021, 2021, 1-23.	1.1	2
16	A novel approach in selective assembly with an arbitrary distribution to minimize clearance variation using evolutionary algorithms: a comparative study. Journal of Intelligent Manufacturing, 2022, 33, 1337-1354.	7.3	2
17	A Novel Methodology for Simultaneous Minimization of Manufacturing Objectives in Tolerance Allocation of Complex Assembly. Applied Sciences (Switzerland), 2021, 11, 9164.	2.5	2
18	RESEARCH AND REVIEW OF CLAY AND GLASS FIBER REINFORCED POLYESTER NANOCOMPOSITE MATERIALS USING OPTIMIZATION TECHNIQUES. Surface Review and Letters, 2022, 29, .	1.1	0

#	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