Bobby Oedy Pramoedyo Soepangkat

List of Publications by Year
in descending order

30 papers	177 citations	1307594 7 h-index	1281871 11 g-index
30 all docs	30 docs citations	30 times ranked	142 citing authors

#	Article	IF	Citations
1	Multi-response optimization of carbon fiber reinforced polymer (CFRP) drilling using back propagation neural network-particle swarm optimization (BPNN-PSO). Engineering Science and Technology, an International Journal, 2020, 23, 700-713.	3.2	28
2	Multi-objective Optimization in Drilling Kevlar Fiber Reinforced Polymer Using Grey Fuzzy Analysis and Backpropagation Neural Networkâ€“Genetic Algorithm (BPNNâ€“GA) Approaches. International Journal of Precision Engineering and Manufacturing, 2019, 20, 593-607.	2.2	23
3	Optimization of Recast Layer Thickness and Surface Roughness in the Wire EDM Process of AISI H13 Tool Steel Using Taguchi and Fuzzy Logic. Applied Mechanics and Materials, 0, 493, 529-534.	0.2	16
4	Optimization of Surface Roughness and Recast Layer Thickness in the Wire-EDM Process of AISI D2 Tool Steel Using Taguchi-Grey-Fuzzy. Applied Mechanics and Materials, 0, 393, 21-28.	0.2	12
5	Multi-objective optimization in wire-EDM process using grey relational analysis method (GRA) and backpropagation neural networkâ€“genetic algorithm (BPNNâ€“GA) methods. Multidiscipline Modeling in Materials and Structures, 2019, 15, 1016-1034.	1.3	12
6	Multi-objective optimization in face milling process with cryogenic cooling using grey fuzzy analysis and BPNN-GA methods. Engineering Computations, 2019, 36, 1542-1565.	1.4	10
7	Multi response optimization of thrust force and delamination in carbon fiber reinforced polymer (CFRP) drilling using backpropagation neural network-particle swarm optimization (BPNN-PSO). AIP Conference Proceedings, 2018, , .	0.4	9
8	Multi response prediction of cutting force and delamination in carbon fiber reinforced polymer using backpropagation neural network-genetic algorithm. AIP Conference Proceedings, 2019, , .	0.4	9
9	The Use of Taguchi-Grey-Fuzzy to Optimize Performance Characteristics in Turning of AISI D2. Applied Mechanics and Materials, 2013, 315, 211-215.	0.2	8
10	An investigation of force, surface roughness and chip in surface grinding of SKD 11 tool steel using minimum quantity lubrication-MQL technique. AIP Conference Proceedings, 2017, , .	0.4	5
11	Application of Taguchi-grey method to optimize drilling of EMS 45 steel using minimum quantity lubrication (MQL) with multiple performance characteristics. AIP Conference Proceedings, 2017, , .	0.4	5
12	Optimization of multi response in end milling process of ASSAB XW-42 tool steel with liquid nitrogen cooling using Taguchi-grey relational analysis. AIP Conference Proceedings, 2017, , .	0.4	5
13	Optimization of Tool Wear, Surface Roughness and Material Removal Rate in the Milling Process of Al 6061 Using Taguchi and Weighted Principal Component Analysis (WPCA). Applied Mechanics and Materials, 0, 493, 535-540.	0.2	4
14	Multi Response Optimization Using Taguchi-Grey-Fuzzy Method in Drilling of Kevlar Fiber Reinforced Polymer (KFRP) Stacked. Applied Mechanics and Materials, 0, 836, 179-184.	0.2	4
15	Multiple Performance Optimization in the Wire EDM Process of SKD61 Tool Steel Using Taguchi Grey Relational Analysis and Fuzzy Logic. Applied Mechanics and Materials, 0, 493, 523-528.	0.2	3
16	Minimization of the hole entry and hole exit delamination on drilling process of carbon fiber reinforced polymer using BPNN-PSO. AIP Conference Proceedings, 2019, , .	0.4	3
17	Multi response optimization in vulcanization process using backpropagation neural network-genetic algorithm method for reducing quality loss cost. AIP Conference Proceedings, 2019, , .	0.4	3
18	Multi response prediction of end-milling CFRP with backpropagation neural network. AIP Conference Proceedings, 2019, , .	0.4	3

#	Article	IF	Citations
19	Optimization of Multiple Performance Characteristics in the Wire EDM Process of AISI D2 Tool Steel Using Taguchi and Fuzzy Logic. Advanced Materials Research, 2013, 789, 320-323.	0.3	2
20	The Effects of Pulse on Time and Arc on Time on Surface Quality in Wire-EDM of ASSAB XW-42 and ASSAB 8407 2M Tool Steels. Applied Mechanics and Materials, 0, 836, 173-178.	0.2	2
21	Prediction of cutting force in end milling of glass fiber reinforced polymer (GFRP) composites using adaptive neuro fuzzy inference system (ANFIS). AIP Conference Proceedings, 2019, , .	0.4	2
22	Delamination factor and cutting force optimizations in end-milling of carbon fiber reinforced polymer composites using backpropagation neural network-ant colony optimization. AIP Conference Proceedings, 2019, , .	0.4	2
23	Optimization of Multiple Response Characteristics in the WEDM Process of Buderus 2379 ISO-B Tool Steel Using Taguchi-Grey-Fuzzy Logic Method. Applied Mechanics and Materials, 2016, 836, 185-190.	0.2	1
24	Artificial neural network and genetic algorithm for multi-objective optimization in drilling of glass fiber reinforce polymer-stainless steel stacks. AIP Conference Proceedings, 2018, , .	0.4	1
25	Assessments of forces, surface roughness and chip formation in surface grinding of SKD 61 tool steels using dry and minimum quantity lubrication(MQL) techniques. AIP Conference Proceedings, 2018, , .	0.4	1
26	Determination of optimum vulcanization process parameters using Taguchi GRA for reducing quality loss cost. AIP Conference Proceedings, 2019, , .	0.4	1
27	Multi objective optimization of vulcanization process parameters for reducing quality loss cost based on BPNN-PSO method. AIP Conference Proceedings, 2019, , .	0.4	1
28	The combined methodology of backpropagation neural network with genetic algorithm to optimize delamination factor and surface roughness in end-milling of carbon fiber reinforced polymer composites. AIP Conference Proceedings, 2019, , .	0.4	1
29	BPNN-ACO application on minimization of hole delamination during GFRP drilling process. IOP Conference Series: Materials Science and Engineering, 2021, 1034, 012103.	0.6	1
30	Multiple Performance Characteristics Optimization in the Turning Process of AISI H13 Tool Steel Using Taguchi and Fuzzy Logic. Applied Mechanics and Materials, 0, 493, 583-588.	0.2	0