Jaber E Abu Qudeiri

List of Publications by Year
in descending order

56 papers	867 citations	623734 14 h-index	501196 28 g-index
56 all docs	56 docs citations	56 times ranked	817 citing authors

#	Article	IF	Citations
1	A Review on AA 6061 Metal Matrix Composites Produced by Stir Casting. Materials, 2021, 14, 175.	2.9	107
2	Electric discharge machining of titanium and its alloys: review. International Journal of Advanced Manufacturing Technology, 2018, 96, 1319-1339.	3.0	89
3	Advanced Electric Discharge Machining of Stainless Steels: Assessment of the State of the Art, Gaps and Future Prospect. Materials, 2019, 12, 907.	2.9	75
4	Principles and Characteristics of Different EDM Processes in Machining Tool and Die Steels. Applied Sciences (Switzerland), 2020, 10, 2082.	2.5	59
5	Performance investigation of a salt gradient solar pond coupled with desalination facility near the Dead Sea. Energy, 2011, 36, 922-931.	8.8	58
6	Photocatalytic removal of methylene blue using titania- and silica-coated magnetic nanoparticles. Materials Research Express, 2018, 5, 065518.	1.6	57
7	Modeling machining of particle-reinforced aluminum-based metal matrix composites using cohesive zone elements. International Journal of Advanced Manufacturing Technology, 2015, 78, 1171-1179.	3.0	55
8	Recent Advances and Perceptive Insights into Powder-Mixed Dielectric Fluid of EDM. Micromachines, 2020, 11, 754.	2.9	49
9	Optimization of Operation Sequence in CNC Machine Tools Using Genetic Algorithm. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2007, 1, 272-282.	0.7	45
10	Genetic algorithm for buffer size and work station capacity in serial-parallel production lines. Artificial Life and Robotics, 2008, 12, 102-106.	1.2	25
11	Optimal Scheduling of Flexible Manufacturing System Using Improved Lion-Based Hybrid Machine Learning Approach. IEEE Access, 2020, 8, 96088-96114.	4.2	22
12	Friction Stir Welding of T-Joints: Experimental and Statistical Analysis. Journal of Manufacturing and Materials Processing, 2019, 3, 38.	2.2	20
13	Abrasive jet drilling of glass sheets: Effect and optimisation of process parameters on kerf taper. Advances in Mechanical Engineering, 2018, 10, 168781401774843.	1.6	17
14	Definition of FTL with bypass lines and its simulator for buffer size decision. International Journal of Production Economics, 2008, 112, 18-25.	8.9	16
15	Effect of Different Cooling Strategies on Surface Quality and Power Consumption in Finishing End Milling of Stainless Steel 316. Materials, 2021, 14, 903.	2.9	16
16	Second Order Sliding Mode Control of the Coupled Tanks System. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	15
17	Multi-objective optimization of oblique turning operations using finite element model and genetic algorithm. International Journal of Advanced Manufacturing Technology, 2014, 71, 593-603.	3.0	14
18	Wear behaviour of grey cast iron with the presence of copper addition. Advances in Mechanical Engineering, 2018, 10, 168781401880474.	1.6	14

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19	Dissimilar Non-Ferrous Metal Welding: An Insight on Experimental and Numerical Analysis. Metals, 2021, 11, 1486.	2.3	12
20	Chip morphology predictions while machining hardened tool steel using finite element and smoothed particles hydrodynamics methods. Journal of Zhejiang University: Science A, 2016, 17, 873-885.	2.4	8
21	Production simulator system for flexible routing optimization in flexible manufacturing systems. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2017, 231, 1237-1247.	2.4	8
22	Optimization Hole-Cutting Operations Sequence in CNC Machine Tools Using GA. , 2006, , .		7
23	Layout design optimization of dynamic environment flexible manufacturing systems. Advances in Mechanical Engineering, 2015, 7, 168781401558425.	1.6	6
24	Development of Production Simulator for Buffer Size Decisions in Complex Production Systems Using Genetic Algorithm. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2007, 1, 418-429.	0.7	5
25	Tool path of lathe machine in flexible transfer lines by using genetic algorithms. International Journal of Production Economics, 2009, 121, 72-80.	8.9	5
26	Assessment of finite element and smoothed particles hydrodynamics methods for modeling serrated chip formation in hardened steel. Advances in Mechanical Engineering, 2016, 8, 168781401665237.	1.6	5
27	Tool Performance Optimization While Machining Aluminium-Based Metal Matrix Composite. Metals, 2020, 10, 835.	2.3	5
28	Evaluation of Characteristics of A390 - SiC_p Squeeze Cast and Gravity Cast Composites. , 2020, , .		5
29	Grey-Based Taguchi Multiobjective Optimization and Artificial Intelligence-Based Prediction of Dissimilar Gas Metal Arc Welding Process Performance. Metals, 2021, 11, 1858.	2.3	5
30	Production layout design system by GA with one by one encoding method. Artificial Life and Robotics, 2008, 13, 234-237.	1.2	4
31	Buffer size decision for Flexible Transfer Line with Rework Paths using Genetic Algorithm. International Journal of Intelligent Systems Technologies and Applications, 2009, 7, 227.	0.2	4
32	A concurrent engineering system to integrate a production simulation and CAD system for FTL layout design. International Journal of Product Development, 2010, 10, 101.	0.2	4
33	GA Support System to Optimize the Sequence of Multi-level and Multi-tool Operations in CNC Machines. , 2013, , .		4
34	Concurrent Production Engineering System for buffer size and flexible transfer line layout design. Journal of Systems Science and Systems Engineering, 2008, 17, 187-203.	1.6	3
35	Optimization of P-GMAW parameters using Grey relational analysis and Taguchi method. , 2021, , .		3
36	Development of an Efficient Prediction Model for Optimal Design of Serial Production Lines. IEEE Access, 2021, 9, 61807-61818.	4.2	3

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37	Optimization of FTL Layout Design Through an Asymmetrical and Restricted Plant Using GA. Journal of Solid Mechanics and Materials Engineering, 2007, 1, 81-92.	0.5	2
38	Comparison between neural network and response surface metamodels based on D-optimal designs. International Journal of Computational Materials Science and Surface Engineering, 2013, 5, 85.	0.2	2
39	On multistage approach for flexible routing in flexible manufacturing systems. Advances in Mechanical Engineering, 2016, 8, 168781401665901.	1.6	2
40	Simulation Study of Deep Drawing Process. Materials Science Forum, 0, 977, 139-147.	0.3	2
41	Using Machine Learning Models to Predict Weld Sequence giving Minimum Distortion. , 2022, , .		2
42	Buffer Size Decision for the Flexible Transfer Line with Rework Paths Using Genetic Algorithms. , 2006, , .		1
43	Hypothetical reasoning approach for Automated Guided Vehicle action decision in Autonomous Decentralised Flexible Manufacturing Systems. International Journal of Intelligent Systems Technologies and Applications, 2009, 7, 171.	0.2	1
44	Modelling of parallel production system with rework paths and its GA based simulator for optimal design. International Journal of Manufacturing Technology and Management, 2011, 23, 69.	0.1	1
45	Prediction the Springback in Air-Bending Process Using Neural Network Metamodel. Applied Mechanics and Materials, 0, 619, 3-7.	0.2	1
46	TOOL PATH GENERATION OF CONTOUR PARALLEL BASED ON ANT COLONY OPTIMISATION. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	1
47	Optimization of the Parameters of RISE Feedback Controller Using Genetic Algorithm. Mathematical Problems in Engineering, 2016, 2016, 1-9.	1.1	1
48	Response Surface Metamodel to Predict Springback in Sheet Metal Air Bending Process. International Journal of Materials Mechanics and Manufacturing, 2015, 3, 266-269.	0.2	1
49	Optimization of Welding Dissimilar sheet metals using Taguchi and Grey based Taguchi Methods. , 2022, , .		1
50	Concurrent Production Engineering System for Buffer Size Decision and FTL Layout Design. , 2006, , .		0
51	Real Time Part Input Control of a Pull Production System by Finding IF-THEN Rules. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2007, 1, 227-237.	0.7	0
52	FTL with feed-forward optimal design by discrete event production simulator with GA. International Journal of Adaptive and Innovative Systems, 2009, 1, 60.	0.1	0
53	Computer Aided Design of the Die-Set for Sheet Metal Punching and Blanking Dies. Applied Mechanics and Materials, 2014, 619, 78-82.	0.2	0
54	If-Then Rules for Selection the Die-Set for Sheet Metal Punching and Blanking Dies. Advanced Materials Research, 0, 980, 208-213.	0.3	0

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55	Experimental investigation of springback in air bending process. IOP Conference Series: Materials Science and Engineering, 2018, 323, 012021.	0.6	0
56	Intelligent Sequence Optimization Method for Hole Making Operations in 2M Production Line. Lecture Notes in Electrical Engineering, 2020, , 339-355.	0.4	0