

Azlan Mohd Zain

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

3,483
citations

182225

30
h-index

182931

54
g-index

118
all docs

118
docs citations

118
times ranked

3021
citing authors

#	ARTICLE	IF	CITATIONS
1	The feasibility of friction stir spot extrusion-brazing of AA5083-H112 aluminum alloy to brass sheets with Zn interlayer. <i>Materials Letters</i> , 2022, 308, 131084.	1.3	5
2	The influence of the backing plate materials on microstructure and mechanical properties of friction spot extrusion brazing of AA2024-T3 aluminum alloy and Brass sheets. <i>Journal of Manufacturing Processes</i> , 2022, 74, 28-39.	2.8	14
3	An Improved Multi-Objective Cuckoo Search Approach by Exploring the Balance between Development and Exploration. <i>Electronics (Switzerland)</i> , 2022, 11, 704.	1.8	7
4	Modeling, reasoning, and application of fuzzy Petri net model: a survey. <i>Artificial Intelligence Review</i> , 2022, 55, 6567-6605.	9.7	9
5	Automatic COVID-19 Lung Infection Segmentation through Modified Unet Model. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-13.	1.1	31
6	Hybrid Knowledge Extraction Framework Using Modified Adaptive Genetic Algorithm and BPNN. <i>IEEE Access</i> , 2022, 10, 72037-72050.	2.6	2
7	Harmony search algorithm and related variants: A systematic review. <i>Swarm and Evolutionary Computation</i> , 2022, 74, 101126.	4.5	10
8	Optimization of cylindricity in deep hole drilling using Cuckoo search algorithm (CS). <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0
9	Optimization of roundness error in deep hole drilling using moth-flame optimization. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0
10	Social Media and Stock Market Prediction: A Big Data Approach. <i>Computers, Materials and Continua</i> , 2021, 67, 2569-2583.	1.5	60
11	Warping Optimisation on the Moulded Part with Straight Drilled and Conformal Cooling Channels Using Response Surface Methodology (RSM), Glowworm Swarm Optimisation (GSO) and Genetic Algorithm (GA) Optimisation Approaches. <i>Materials</i> , 2021, 14, 1326.	1.3	14
12	Suicide Bomb Attack Identification and Analytics through Data Mining Techniques. <i>Electronics (Switzerland)</i> , 2021, 10, 2398.	1.8	13
13	Detection of COVID-19 in Chest X-ray Images: A Big Data Enabled Deep Learning Approach. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10147.	1.2	36
14	Real-Time DDoS Attack Detection System Using Big Data Approach. <i>Sustainability</i> , 2021, 13, 10743.	1.6	86
15	Cricket Match Analytics Using the Big Data Approach. <i>Electronics (Switzerland)</i> , 2021, 10, 2350.	1.8	25
16	Fake News Data Exploration and Analytics. <i>Electronics (Switzerland)</i> , 2021, 10, 2326.	1.8	24
17	UFSW tool pin profile effects on properties of aluminium-steel joint. <i>Vacuum</i> , 2021, 192, 110460.	1.6	34
18	Image-Based Malware Classification Using VGG19 Network and Spatial Convolutional Attention. <i>Electronics (Switzerland)</i> , 2021, 10, 2444.	1.8	74

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19	An Improved Cuckoo Search Algorithm Utilizing Nonlinear Inertia Weight and Differential Evolution for Function Optimization Problem. IEEE Access, 2021, 9, 161352-161373.	2.6	9
20	Blockchain-Based IoT Devices in Supply Chain Management: A Systematic Literature Review. Sustainability, 2021, 13, 13646.	1.6	63
21	Wire Electrical Discharge Machining (WEDM) optimization process: A conceptual view. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012089.	0.3	0
22	Feature Selection of High Dimensional Data Using Hybrid FSA-IG. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012066.	0.3	0
23	Weighted Fuzzy Production Rule Extraction Using Modified Harmony Search Algorithm and BP Neural Network Framework. IEEE Access, 2020, 8, 186620-186637.	2.6	8
24	A New Hybrid Algorithm Based on ABC and PSO for Function Optimization. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012065.	0.3	1
25	Development of Tic-Tac-Toe Game Using Heuristic Search. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012090.	0.3	1
26	Study of Artificial Intelligence into Checkers Game using HTML and JavaScript. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012091.	0.3	1
27	Developing an Impartial Game by Mathematical Approach. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012092.	0.3	0
28	Recent studies on optimisation method of Grey Wolf Optimiser (GWO): a review (2014â€“2017). Artificial Intelligence Review, 2019, 52, 2651-2683.	9.7	64
29	A review of Harmony Search algorithm-based feature selection method for classification. Journal of Physics: Conference Series, 2019, 1192, 012038.	0.3	14
30	Overview Feature Selection using Fish Swarm Algorithm. Journal of Physics: Conference Series, 2019, 1192, 012068.	0.3	3
31	Parameter Optimization of Gradient Tree Boosting Using Dragonfly Algorithm in Crime Forecasting and Analysis. Journal of Computer Science, 2019, 15, 1085-1096.	0.5	0
32	A Brief Conceptual View on Classification Using Support Vector Machine. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012035.	0.3	0
33	AI for Heart Rate Measurements for Sport Performance: A review. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012041.	0.3	1
34	The Performance Review of mRMR for Gene Selection and Classification of DNA Microarrays. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012040.	0.3	0
35	Consideration of Canny Edge Detection for Eye Redness Image Processing: A Review. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012045.	0.3	14
36	Overview of Machine Vision on Digital Imaging Approach for Automatic Tuna Length Measurement. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012076.	0.3	1

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37	A Simultaneous Approach for Compression and Encryption Techniques Using Deoxyribonucleic Acid. , 2019, , .		13
38	Taguchi Method Used in Optimization of Plastic Injection Molding. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012078.	0.3	1
39	Comparative Study of Segmentation and Feature Extraction Method on Finger Movement. Advances in Intelligent Systems and Computing, 2019, , 117-127.	0.5	0
40	Review of modified and hybrid flower pollination algorithms for solving optimization problems. Artificial Intelligence Review, 2019, 52, 1547-1577.	9.7	11
41	An equivalent generating algorithm to model fuzzy Petri net for knowledge-based system. Journal of Intelligent Manufacturing, 2019, 30, 1831-1842.	4.4	22
42	Orthogonal based ANN and multiGA for optimization on WEDM of Ti-48Al intermetallic alloys. Artificial Intelligence Review, 2019, 52, 671-706.	9.7	15
43	A Grey Wolf Optimizer based Support Vector Machine for Classification of Finger Movement. International Journal of Advanced Trends in Computer Science and Engineering, 2019, 8, 124-129.	0.6	1
44	Application of Whale Optimisation Algorithm in Injection Moulding Process. International Journal of Advanced Trends in Computer Science and Engineering, 2019, 8, 130-134.	0.6	0
45	Potential ANN prediction model for multiperformances WEDM on Inconel 718. Neural Computing and Applications, 2018, 30, 2113-2127.	3.2	29
46	AI approaches: Recent studies on shrinkage optimisation in injection moulding process. AIP Conference Proceedings, 2018, , .	0.3	1
47	Non-conventional approaches for warpage minimization in injection molding process. AIP Conference Proceedings, 2018, , .	0.3	1
48	A Bidirectional Diagnosis Algorithm of Fuzzy Petri Net Using Inner-Reasoning-Path. Symmetry, 2018, 10, 192.	1.1	9
49	Analysis of the shrinkage at the thick plate part using response surface methodology. AIP Conference Proceedings, 2017, , .	0.3	2
50	Machining Parameters Optimization using Hybrid Firefly Algorithm and Particle Swarm Optimization. Journal of Physics: Conference Series, 2017, 892, 012005.	0.3	12
51	An integrated study of surface roughness in EDM process using regression analysis and GSO algorithm. Journal of Physics: Conference Series, 2017, 892, 012002.	0.3	4
52	Eye Redness Image Processing Techniques. Journal of Physics: Conference Series, 2017, 892, 012019.	0.3	1
53	Optimal injection process parameter analysis for front panel housing using response surface methodology. AIP Conference Proceedings, 2017, , .	0.3	10
54	A note of hybrid GR-SVM for prediction of surface roughness in abrasive water jet machining: a response. Meccanica, 2017, 52, 1993-1994.	1.2	7

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55	A Review On Missing Value Estimation Using Imputation Algorithm. Journal of Physics: Conference Series, 2017, 892, 012004.	0.3	32
56	Harmony search optimization in dimensional accuracy of die sinking EDM process using SS316L stainless steel. Journal of Physics: Conference Series, 2017, 892, 012003.	0.3	7
57	A Study of Dimensional Accuracy on Die Sinking Electrical Discharge Machining of Ti-6AL-4V. Indian Journal of Science and Technology, 2017, 10, 1-6.	0.5	4
58	Glowworm swarm optimization (GSO) for optimization of machining parameters. Journal of Intelligent Manufacturing, 2016, 27, 797-804.	4.4	51
59	AN IMPROVEMENT IN SUPPORT VECTOR MACHINE CLASSIFICATION MODEL USING GREY RELATIONAL ANALYSIS FOR CANCER DIAGNOSIS. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	0
60	Experimental study of surface roughness in Electric Discharge Machining (EDM) based on Grey Relational Analysis. MATEC Web of Conferences, 2016, 78, 01015.	0.1	0
61	Optimization of Machining Parameters for Minimization of Roundness Error in Deep Hole Drilling using Minimum Quantity Lubricant. MATEC Web of Conferences, 2016, 78, 01024.	0.1	2
62	An experimental result of surface roughness machining performance in deep hole drilling. MATEC Web of Conferences, 2016, 78, 01036.	0.1	0
63	A study of electrode wear ratio on EDM of Ti-6AL-4V with copper-tungsten electrode. MATEC Web of Conferences, 2016, 78, 01013.	0.1	2
64	Improving Warpage with Milled Groove Square Shape Conformal Cooling Channels. Key Engineering Materials, 2016, 700, 31-41.	0.4	2
65	Computational Approach for Multi Performances Optimization of EDM. MATEC Web of Conferences, 2016, 78, 01014.	0.1	2
66	Improving the Quality and Productivity of Molded Parts with a New Design of Conformal Cooling Channels for the Injection Molding Process. Advances in Polymer Technology, 2016, 35, .	0.8	38
67	Fuzzy Petri nets and industrial applications: a review. Artificial Intelligence Review, 2016, 45, 405-446.	9.7	68
68	MULTI OBJECTIVE MACHINING ESTIMATION MODEL USING ORTHOGONAL AND NEURAL NETWORK. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	0
69	Overview of Artificial Fish Swarm Algorithm and its Applications in Industrial Problems. Applied Mechanics and Materials, 2015, 815, 253-257.	0.2	11
70	Detecting SIM Box Fraud by Using Support Vector Machine and Artificial Neural Network. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.3	5
71	Robust optimization of ANFIS based on a new modified GA. Neurocomputing, 2015, 166, 357-366.	3.5	72
72	Optimization of Surface Roughness in Turning Operation Using Firefly Algorithm. Applied Mechanics and Materials, 2015, 815, 268-272.	0.2	3

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73	Dynamic properties of fuzzy Petri net model and related analysis. Journal of Central South University, 2015, 22, 4717-4723.	1.2	9
74	Gravitational Search Algorithm for Engineering: A Review. Applied Mechanics and Materials, 2015, 815, 417-420.	0.2	1
75	The role of basic, modified and hybrid shuffled frog leaping algorithm on optimization problems: a review. Soft Computing, 2015, 19, 2011-2038.	2.1	33
76	A decomposition algorithm of fuzzy Petri net using an index function and incidence matrix. Expert Systems With Applications, 2015, 42, 3980-3990.	4.4	35
77	A process prediction model based on Cuckoo algorithm for abrasive waterjet machining. Journal of Intelligent Manufacturing, 2015, 26, 1247-1252.	4.4	33
78	Fuzzy logic for modeling machining process: a review. Artificial Intelligence Review, 2015, 43, 345-379.	9.7	115
79	A multi-performance prediction model based on ANFIS and new modified-GA for machining processes. Journal of Intelligent Manufacturing, 2015, 26, 703-716.	4.4	34
80	Potential of Conformal Cooling Channels in Rapid Heat Cycle Molding: A Review. Advances in Polymer Technology, 2014, 33, .	0.8	72
81	Cuckoo Search Algorithm for Optimization Problemsâ€”A Literature Review and its Applications. Applied Artificial Intelligence, 2014, 28, 419-448.	2.0	90
82	Estimation of optimal machining control parameters using artificial bee colony. Journal of Intelligent Manufacturing, 2014, 25, 1463-1472.	4.4	57
83	Fuzzy Rule-Based to Predict the Minimum Surface Roughness in the Laser Assisted Machining (LAM). Lecture Notes in Electrical Engineering, 2014, , 627-632.	0.3	3
84	Hybrid GR-SVM for prediction of surface roughness in abrasive water jet machining. Meccanica, 2013, 48, 1937-1945.	1.2	43
85	Prediction of Surface Roughness in the End Milling Machining Using Fuzzy Rule-Based. Applied Mechanics and Materials, 2013, 421, 244-249.	0.2	1
86	Glowworm Swarm Optimization (GSO) Algorithm for Optimization Problems: A State-of-the-Art Review. Applied Mechanics and Materials, 2013, 421, 507-511.	0.2	20
87	Integrated ANNâ€”GA for estimating the minimum value for machining performance. International Journal of Production Research, 2012, 50, 191-213.	4.9	43
88	Fuzzy rule-based for predicting machining performance for SN<inf>TR</inf> carbide in milling titanium alloy (Ti-6Al-4v). , 2012, , .		0
89	Overview of PSO for Optimizing Process Parameters of Machining. Procedia Engineering, 2012, 29, 914-923.	1.2	66
90	Regression and ANN models for estimating minimum value of machining performance. Applied Mathematical Modelling, 2012, 36, 1477-1492.	2.2	55

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91	Evolutionary techniques in optimizing machining parameters: Review and recent applications (2007-2011). Expert Systems With Applications, 2012, 39, 9909-9927.	4.4	207
92	Multi-objective hybrid evolutionary algorithms for radial basis function neural network design. Knowledge-Based Systems, 2012, 27, 475-497.	4.0	68
93	Integration of simulated annealing and genetic algorithm to estimate optimal solutions for minimising surface roughness in end milling Ti-6AL-4V. International Journal of Computer Integrated Manufacturing, 2011, 24, 574-592.	2.9	36
94	Overview of NSGA-II for Optimizing Machining Process Parameters. Procedia Engineering, 2011, 15, 3978-3983.	1.2	283
95	Overview of Support Vector Machine in Modeling Machining Performances. Procedia Engineering, 2011, 24, 308-312.	1.2	75
96	Consideration of Fuzzy Components for Prediction of Machining Performance: A Review. Procedia Engineering, 2011, 24, 754-758.	1.2	6
97	Optimization of process parameters in the abrasive waterjet machining using integrated SA-GA. Applied Soft Computing Journal, 2011, 11, 5350-5359.	4.1	76
98	Genetic Algorithm and Simulated Annealing to estimate optimal process parameters of the abrasive waterjet machining. Engineering With Computers, 2011, 27, 251-259.	3.5	39
99	Estimation of the minimum machining performance in the abrasive waterjet machining using integrated ANN-SA. Expert Systems With Applications, 2011, 38, 8316-8326.	4.4	80
100	Estimating Minimum Processing Time of Liquid Crystal Display Monitor Hinge in 2D Contouring Machining. Communications in Computer and Information Science, 2011, , 239-249.	0.4	0
101	Communications in Computer and Information Science: Computational Approaches for Optimization of Sport Rim Parameters. Communications in Computer and Information Science, 2011, , 228-238.	0.4	0
102	Application of GA to optimize cutting conditions for minimizing surface roughness in end milling machining process. Expert Systems With Applications, 2010, 37, 4650-4659.	4.4	176
103	Prediction of surface roughness in the end milling machining using Artificial Neural Network. Expert Systems With Applications, 2010, 37, 1755-1768.	4.4	315
104	SIMULATED ANNEALING TO ESTIMATE THE OPTIMAL CUTTING CONDITIONS FOR MINIMIZING SURFACE ROUGHNESS IN END MILLING Ti-6Al-4V. Machining Science and Technology, 2010, 14, 43-62.	1.4	40
105	Artificial Neural Network for Predicting Machining Performance of Uncoated Carbide (WC-Co) in Milling Machining Operation. , 2009, , .		3
106	Review of ANN Technique for Modeling Surface Roughness Performance Measure in Machining Process. , 2009, , .		15
107	Genetic Algorithm for optimizing cutting conditions of uncoated carbide (WC-Co) in milling machining operation. , 2009, , .		0
108	Application of Regression and ANN Techniques for Modeling of the Surface Roughness in End Milling Machining Process. , 2009, , .		5

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109	An overview of GA technique for surface roughness optimization in milling process. , 2008, , .		15
110	Firefly Algorithm for Optimization Problem. Applied Mechanics and Materials, 0, 421, 512-517.	0.2	101
111	Milled Groove Square Shape Conformal Cooling Channels in Injection Moulding Process. Materials and Manufacturing Processes, 0, , 130122112458009.	2.7	8
112	Cuckoo Search Algorithm for Optimization Problems - A Literature Review. Applied Mechanics and Materials, 0, 421, 502-506.	0.2	26
113	Warping Analysis with Straight Drilled and Conformal Cooling Channels on Front Panel Housing by Using Taguchi Method. Key Engineering Materials, 0, 594-595, 593-603.	0.4	7
114	Levy Flight Algorithm for Optimization Problems - A Literature Review. Applied Mechanics and Materials, 0, 421, 496-501.	0.2	123
115	Overview of Fuzzy Logic Technique for Modeling Machining Process. Applied Mechanics and Materials, 0, 815, 264-267.	0.2	0
116	Overview of Harmony Search (HS) Algorithm for Green Manufacturing Industries. Applied Mechanics and Materials, 0, 815, 413-416.	0.2	0
117	Modeling and Optimization of Machining Parameters Using Regression and Cuckoo Search in Deep Hole Drilling Process. Applied Mechanics and Materials, 0, 892, 177-184.	0.2	6