

Ali Jamali

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

481
citations

12
h-index

20
g-index

44
ext. papers

593
ext. citations

3.4
avg, IF

4.3
L-index

#	Paper	IF	Citations
44	Performance and robustness of optimal fractional fuzzy PID controllers for pitch control of a wind turbine using chaotic optimization algorithms. <i>ISA Transactions</i> , 2018 , 79, 27-44	5.5	55
43	Evolutionary Pareto optimization of an ANFIS network for modeling scour at pile groups in clear water condition. <i>Fuzzy Sets and Systems</i> , 2017 , 319, 50-69	3.7	44
42	Sizing and topology optimization of truss structures using genetic programming. <i>Swarm and Evolutionary Computation</i> , 2017 , 37, 90-103	9.8	38
41	A methodological approach of predicting threshold channel bank profile by multi-objective evolutionary optimization of ANFIS. <i>Engineering Geology</i> , 2018 , 239, 298-309	6	36
40	Achieving maximum dimensional accuracy and surface quality at the shortest possible time in single-point incremental forming via multi-objective optimization. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2019 , 233, 900-913	2.4	23
39	Robust Pareto active suspension design for vehicle vibration model with probabilistic uncertain parameters. <i>Multibody System Dynamics</i> , 2013 , 30, 265-285	2.8	20
38	Probability of failure for uncertain control systems using neural networks and multi-objective uniform-diversity genetic algorithms (MUGA). <i>Engineering Applications of Artificial Intelligence</i> , 2013 , 26, 714-723	7.2	16
37	A hybrid algorithm coupling genetic programming and Nelder-Mead for topology and size optimization of trusses with static and dynamic constraints. <i>Expert Systems With Applications</i> , 2018 , 95, 127-141	7.8	15
36	Modeling friction factor in pipeline flow using a GMDH-type neural network. <i>Cogent Engineering</i> , 2015 , 2, 1056929	1.5	13
35	A Novel Hybrid Machine Learning Algorithm for Limited and Big Data Modeling With Application in Industry 4.0. <i>IEEE Access</i> , 2020 , 8, 111381-111393	3.5	13
34	Uncertainty quantification and robust modeling of selective laser melting process using stochastic multi-objective approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 86, 1425-1441	2.2	13
33	Multi-objective genetic programming approach for robust modeling of complex manufacturing processes having probabilistic uncertainty in experimental data. <i>Journal of Intelligent Manufacturing</i> , 2017 , 28, 149-163	6.7	13
32	Optimization of electrochemical machining process parameters: Combining response surface methodology and differential evolution algorithm. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2017 , 231, 1114-1126	1.5	12
31	Modelling and prediction of complex non-linear processes by using Pareto multi-objective genetic programming. <i>International Journal of Systems Science</i> , 2016 , 47, 1675-1688	2.3	12
30	Multi-objective sizing and topology optimization of truss structures using genetic programming based on a new adaptive mutant operator. <i>Neural Computing and Applications</i> , 2019 , 31, 5729-5749	4.8	12
29	Multi-objective reliability-based robust design optimization of robot gripper mechanism with probabilistically uncertain parameters. <i>Neural Computing and Applications</i> , 2017 , 28, 659-670	4.8	11
28	A pareto design of evolutionary hybrid optimization of ANFIS model in prediction abutment scour depth. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2019 , 44, 1	1	11

27	Path synthesis of four-bar mechanisms using synergy of polynomial neural network and Stackelberg game theory. <i>Engineering Optimization</i> , 2017 , 49, 932-947	2	11
26	Multi-objective Uniform-diversity Genetic Algorithm (MUGA) 2008 ,		11
25	Multi-Objective Optimization of Manufacturing Process in Carbon Fiber Industry Using Artificial Intelligence Techniques. <i>IEEE Access</i> , 2019 , 7, 67576-67588	3.5	10
24	A multi-objective differential evolution approach based on Elimination uniform-diversity for mechanism design. <i>Structural and Multidisciplinary Optimization</i> , 2015 , 52, 861-877	3.6	10
23	Crude oil direct fired furnace model. <i>Applied Thermal Engineering</i> , 2015 , 83, 57-70	5.8	10
22	Optimum Pareto design of non-linear predictive control with multi-design variables for PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 11244-11254	6.7	10
21	Analyzing bank profile shape of alluvial stable channels using robust optimization and evolutionary ANFIS methods. <i>Applied Water Science</i> , 2019 , 9, 1	5	6
20	Optimal design of symmetrical/asymmetrical sigma-point Kalman filter using genetic algorithms. <i>Transactions of the Institute of Measurement and Control</i> , 2015 , 37, 425-432	1.8	6
19	Automated synthesis of optimal controller using multi-objective genetic programming for two-mass-spring system 2014 ,		6
18	Genetic Programming Approaches in Design and Optimization of Mechanical Engineering Applications 2020 , 367-402		6
17	A Stackelberg game theoretic multi-objective synthesis of four-bar mechanisms. <i>Structural and Multidisciplinary Optimization</i> , 2019 , 60, 699-710	3.6	5
16	Providing a GIS-based framework for Run-Of-River hydropower site selection: a model based on sustainable development energy approach. <i>Civil Engineering and Environmental Systems</i> , 2021 , 38, 102-126	2.1	5
15	Reliability-based optimal controller design for systems with probabilistic uncertain parameters using fuzzy limit state function. <i>JVC/Journal of Vibration and Control</i> , 2015 , 21, 1413-1429	2	4
14	Multi-objective optimal design of online PID controllers using model predictive control based on the group method of data handling-type neural networks. <i>Connection Science</i> , 2014 , 26, 349-365	2.8	4
13	The archived-based genetic programming for optimal design of linear/non-linear controllers. <i>Transactions of the Institute of Measurement and Control</i> , 2020 , 42, 1475-1491	1.8	3
12	A New Fault Diagnosis Approach for Heavy-Duty Gas Turbines. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022 , 1-11	5.5	3
11	Constraint optimization of nonlinear McPherson suspension system using genetic algorithm and ADAMS software. <i>JVC/Journal of Vibration and Control</i> , 107754632110260	2	3
10	Neuro-Fuzzy System for Energy Management of Conventional Autonomous Vehicles. <i>Energies</i> , 2020 , 13, 1745	3.1	3

9	Inverse modelling of electrochemical machining process using a novel combination of soft computing methods. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020 , 234, 3436-3446	1.3	2
8	A new method for extracting the state equations from bond graph of dynamical systems (SEBG method). <i>International Journal of General Systems</i> , 2021 , 50, 703-723	2.1	2
7	Robust controller design for systems with probabilistic uncertain parameters using multi-objective genetic programming. <i>Soft Computing</i> , 2021 , 25, 233-249	3.5	1
6	Enhancing disturbance rejection performance for a class of networked cascade control systems: an H _∞ approach. <i>International Journal of Control</i> , 1-38	1.5	1
5	Multi-objective robust design approach usage in integration of bond graph and genetic programming. <i>International Journal of Modelling and Simulation</i> , 1-17	1.5	1
4	Pareto Multiobjective Bioinspired Optimization of Neuro-Fuzzy Technique for Predicting Sediment Transport in Sewer Pipe 2021 , 131-144		1
3	Flame Failures and Recovery in Industrial Furnaces: A Neural Network Steady-State Model for the Firing Rate Setpoint Rearrangement. <i>International Journal of Chemical Engineering</i> , 2018 , 2018, 1-15	2.2	0
2	Multi-objective parametric design of PI/PID controllers via multi-level game-theoretic optimization for systems with time delay. <i>Transactions of the Institute of Measurement and Control</i> , 014233122210868 ^{1.8}		
1	Estimation of Velocity Field in Narrow Open Channels by a Hybrid Metaheuristic ANFIS Network. <i>Lecture Notes in Networks and Systems</i> , 2022 , 1-24	0.5	