Ali Jamali

List of Publications by Year in Descending Order

44	481	12	20
papers	citations	h-index	g-index
44	593	3.4	4.3
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
44	A New Fault Diagnosis Approach for Heavy-Duty Gas Turbines. *IEEE/ASME Transactions on Mechatronics*, **2022**, 1-11	5.5	3
43	Estimation of Velocity Field in Narrow Open Channels by a Hybrid Metaheuristic ANFIS Network. *Lecture Notes in Networks and Systems*, **2022**, 1-24	0.5	
42	Providing a GIS-based framework for Run-Of-River hydropower site selection: a model based on sustainable development energy approach. *Civil Engineering and Environmental Systems*, **2021**, 38, 102-126	2.1	5
41	A new method for extracting the state equations from bond graph of dynamical systems (SEBG method). *International Journal of General Systems*, **2021**, 50, 703-723	2.1	2
40	Robust controller design for systems with probabilistic uncertain parameters using multi-objective genetic programming. *Soft Computing*, **2021**, 25, 233-249	3.5	1
39	Pareto Multiobjective Bioinspired Optimization of Neuro-Fuzzy Technique for Predicting Sediment Transport in Sewer Pipe **2021**, 131-144		1
38	Inverse modelling of electrochemical machining process using a novel combination of soft computing methods. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2020**, 234, 3436-3446	1.3	2
37	A Novel Hybrid Machine Learning Algorithm for Limited and Big Data Modeling With Application in Industry 4.0. *IEEE Access*, **2020**, 8, 111381-111393	3.5	13
36	The archived-based genetic programming for optimal design of linear/non-linear controllers. *Transactions of the Institute of Measurement and Control*, **2020**, 42, 1475-1491	1.8	3
35	Genetic Programming Approaches in Design and Optimization of Mechanical Engineering Applications **2020**, 367-402		6
34	Neuro-Fuzzy System for Energy Management of Conventional Autonomous Vehicles. *Energies*, **2020**, 13, 1745	3.1	3
33	A pareto design of evolutionary hybrid optimization of ANFIS model in prediction abutment scour depth. *Sadhana - Academy Proceedings in Engineering Sciences*, **2019**, 44, 1	1	11
32	Multi-Objective Optimization of Manufacturing Process in Carbon Fiber Industry Using Artificial Intelligence Techniques. *IEEE Access*, **2019**, 7, 67576-67588	3.5	10
31	A Stackelberg game theoretic multi-objective synthesis of four-bar mechanisms. *Structural and Multidisciplinary Optimization*, **2019**, 60, 699-710	3.6	5
30	Analyzing bank profile shape of alluvial stable channels using robust optimization and evolutionary ANFIS methods. *Applied Water Science*, **2019**, 9, 1	5	6
29	Achieving maximum dimensional accuracy and surface quality at the shortest possible time in single-point incremental forming via multi-objective optimization. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2019**, 233, 900-913	2.4	23
28	Multi-objective sizing and topology optimization of truss structures using genetic programming based on a new adaptive mutant operator. *Neural Computing and Applications*, **2019**, 31, 5729-5749	4.8	12

27	A methodological approach of predicting threshold channel bank profile by multi-objective evolutionary optimization of ANFIS. *Engineering Geology*, **2018**, 239, 298-309	6	36
26	Performance and robustness of optimal fractional fuzzy PID controllers for pitch control of a wind turbine using chaotic optimization algorithms. *ISA Transactions*, **2018**, 79, 27-44	5.5	55
25	A hybrid algorithm coupling genetic programming and Nelder–Mead for topology and size optimization of trusses with static and dynamic constraints. *Expert Systems With Applications*, **2018**, 95, 127-141	7.8	15
24	Flame Failures and Recovery in Industrial Furnaces: A Neural Network Steady-State Model for the Firing Rate Setpoint Rearrangement. *International Journal of Chemical Engineering*, **2018**, 2018, 1-15	2.2	0
23	Multi-objective reliability-based robust design optimization of robot gripper mechanism with probabilistically uncertain parameters. *Neural Computing and Applications*, **2017**, 28, 659-670	4.8	11
22	Optimization of electrochemical machining process parameters: Combining response surface methodology and differential evolution algorithm. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, **2017**, 231, 1114-1126	1.5	12
21	Sizing and topology optimization of truss structures using genetic programming. *Swarm and Evolutionary Computation*, **2017**, 37, 90-103	9.8	38
20	Evolutionary Pareto optimization of an ANFIS network for modeling scour at pile groups in clear water condition. *Fuzzy Sets and Systems*, **2017**, 319, 50-69	3.7	44
19	Path synthesis of four-bar mechanisms using synergy of polynomial neural network and Stackelberg game theory. *Engineering Optimization*, **2017**, 49, 932-947	2	11
18	Multi-objective genetic programming approach for robust modeling of complex manufacturing processes having probabilistic uncertainty in experimental data. *Journal of Intelligent Manufacturing*, **2017**, 28, 149-163	6.7	13
17	Modelling and prediction of complex non-linear processes by using Pareto multi-objective genetic programming. *International Journal of Systems Science*, **2016**, 47, 1675-1688	2.3	12
16	Uncertainty quantification and robust modeling of selective laser melting process using stochastic multi-objective approach. *International Journal of Advanced Manufacturing Technology*, **2016**, 86, 1425-1441	3.2	13
15	Reliability-based optimal controller design for systems with probabilistic uncertain parameters using fuzzy limit state function. *JVC/Journal of Vibration and Control*, **2015**, 21, 1413-1429	2	4
14	A multi-objective differential evolution approach based on ε-elimination uniform-diversity for mechanism design. *Structural and Multidisciplinary Optimization*, **2015**, 52, 861-877	3.6	10
13	Modeling friction factor in pipeline flow using a GMDH-type neural network. *Cogent Engineering*, **2015**, 2, 1056929	1.5	13
12	Crude oil direct fired furnace model. *Applied Thermal Engineering*, **2015**, 83, 57-70	5.8	10
11	Optimal design of symmetrical/asymmetrical sigma-point Kalman filter using genetic algorithms. *Transactions of the Institute of Measurement and Control*, **2015**, 37, 425-432	1.8	6
10	Multi-objective optimal design of online PID controllers using model predictive control based on the group method of data handling-type neural networks. *Connection Science*, **2014**, 26, 349-365	2.8	4

9	Automated synthesis of optimal controller using multi-objective genetic programming for two-mass-spring system **2014**,		6
8	Robust Pareto active suspension design for vehicle vibration model with probabilistic uncertain parameters. *Multibody System Dynamics*, **2013**, 30, 265-285	2.8	20
7	Probability of failure for uncertain control systems using neural networks and multi-objective uniform-diversity genetic algorithms (MUGA). *Engineering Applications of Artificial Intelligence*, **2013**, 26, 714-723	7.2	16
6	Optimum Pareto design of non-linear predictive control with multi-design variables for PEM fuel cell. *International Journal of Hydrogen Energy*, **2012**, 37, 11244-11254	6.7	10
5	Multi-objective Uniform-diversity Genetic Algorithm (MUGA) **2008**,		11
4	Constraint optimization of nonlinear McPherson suspension system using genetic algorithm and ADAMS software. *JVC/Journal of Vibration and Control*,107754632110260	2	3
3	Enhancing disturbance rejection performance for a class of networked cascade control systems: an H approach. *International Journal of Control*,1-38	1.5	1
2	Multi-objective robust design approach usage in integration of bond graph and genetic programming. *International Journal of Modelling and Simulation*,1-17	1.5	1
1	Multi-objective parametric design of PI/PID controllers via multi-level game-theoretic optimization for systems with time delay. *Transactions of the Institute of Measurement and Control*,014233122210868	1.8	