

Aneela Zameer

List of Publications by Year in Descending Order

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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.

49
papers

1,473
citations

21
h-index

37
g-index

52
ext. papers

2,013
ext. citations

5.1
avg, IF

5.74
L-index

#	Paper	IF	Citations
49	Dynamics of nonlinear cantilever piezoelectric-mechanical system: An intelligent computational approach. <i>Mathematics and Computers in Simulation</i> , 2022 , 196, 88-113	3.3	4
48	A two-stage intrusion detection system with auto-encoder and LSTMs. <i>Applied Soft Computing Journal</i> , 2022 , 121, 108768	7.5	3
47	A multi-phase deep CNN based mitosis detection framework for breast cancer histopathological images. <i>Scientific Reports</i> , 2021 , 11, 6215	4.9	15
46	Neuro-intelligent networks for Bouc-Wen hysteresis model for piezostage actuator. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	16
45	A novel genetic LSTM model for wind power forecast. <i>Energy</i> , 2021 , 223, 120069	7.9	52
44	Design of backtracking search heuristics for parameter estimation of power signals. <i>Neural Computing and Applications</i> , 2021 , 33, 1479-1496	4.8	9
43	Mitotic nuclei analysis in breast cancer histopathology images using deep ensemble classifier. <i>Medical Image Analysis</i> , 2021 , 72, 102121	15.4	7
42	Design of wideband tonpilz transducers for underwater SONAR applications with finite element model. <i>Applied Acoustics</i> , 2021 , 183, 108293	3.1	3
41	Weighted differential evolution heuristics for improved multilayer piezoelectric transducer design. <i>Applied Soft Computing Journal</i> , 2021 , 113, 107835	7.5	3
40	Wind power prediction using a three stage genetic ensemble and auxiliary predictor. <i>Applied Soft Computing Journal</i> , 2020 , 90, 106151	7.5	21
39	Design of meta-heuristic computing paradigms for Hammerstein identification systems in electrically stimulated muscle models. <i>Neural Computing and Applications</i> , 2020 , 32, 12469-12497	4.8	6
38	A novel wavenets long short term memory paradigm for wind power prediction. <i>Applied Energy</i> , 2020 , 269, 115098	10.7	48
37	Integrated computational intelligent paradigm for nonlinear electric circuit models using neural networks, genetic algorithms and sequential quadratic programming. <i>Neural Computing and Applications</i> , 2020 , 32, 10337-10357	4.8	49
36	Predictions for COVID-19 with deep learning models of LSTM, GRU and Bi-LSTM. <i>Chaos, Solitons and Fractals</i> , 2020 , 140, 110212	9.3	153
35	Design of nature-inspired heuristic paradigm for systems in nonlinear electrical circuits. <i>Neural Computing and Applications</i> , 2020 , 32, 7121-7137	4.8	36
34	Integrated intelligent computing for heat transfer and thermal radiation-based two-phase MHD nanofluid flow model. <i>Neural Computing and Applications</i> , 2020 , 32, 2845-2877	4.8	20
33	Novel computing paradigms for parameter estimation in power signal models. <i>Neural Computing and Applications</i> , 2020 , 32, 6253-6282	4.8	11

32	Fractional-order particle swarm based multi-objective PWR core loading pattern optimization. <i>Annals of Nuclear Energy</i> , 2020 , 135, 106982	1.7	27
31	Backtracking search heuristics for identification of electrical muscle stimulation models using Hammerstein structure. <i>Applied Soft Computing Journal</i> , 2019 , 84, 105705	7.5	17
30	Novel computing paradigms for parameter estimation in Hammerstein controlled auto regressive moving average systems. <i>Applied Soft Computing Journal</i> , 2019 , 80, 263-284	7.5	14
29	Integrated intelligent computing paradigm for the dynamics of micropolar fluid flow with heat transfer in a permeable walled channel. <i>Applied Soft Computing Journal</i> , 2019 , 79, 139-162	7.5	48
28	Backtracking search optimization heuristics for nonlinear Hammerstein controlled auto regressive systems. <i>ISA Transactions</i> , 2019 , 91, 99-113	5.5	17
27	Solution of Linear and Non-Linear Boundary Value Problems Using Population-Distributed Parallel Differential Evolution. <i>Journal of Artificial Intelligence and Soft Computing Research</i> , 2019 , 9, 205-218	5.1	5
26	Differential evolution based computation intelligence solver for elliptic partial differential equations. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2019 , 20, 1445-1456	2.2	9
25	Numerical treatment of nonlinear singular Flierl-Betviashvili systems using neural networks models. <i>Neural Computing and Applications</i> , 2019 , 31, 2371-2394	4.8	10
24	Nature-inspired heuristic paradigms for parameter estimation of control autoregressive moving average systems. <i>Neural Computing and Applications</i> , 2019 , 31, 5819-5842	4.8	21
23	Bio-inspired heuristics for layer thickness optimization in multilayer piezoelectric transducer for broadband structures. <i>Soft Computing</i> , 2019 , 23, 3449-3463	3.5	23
22	Bio-inspired heuristics hybrid with sequential quadratic programming and interior-point methods for reliable treatment of economic load dispatch problem. <i>Neural Computing and Applications</i> , 2019 , 31, 447-475	4.8	32
21	Fuel loading pattern optimization of a pressurized water reactor by varying internal weights-based particle swarm optimization. <i>Nuclear Science and Techniques/Hewuli</i> , 2018 , 29, 1	2.1	3
20	Intelligent computing to analyze the dynamics of Magnetohydrodynamic flow over stretchable rotating disk model. <i>Applied Soft Computing Journal</i> , 2018 , 67, 8-28	7.5	45
19	Nature-inspired computational intelligence integration with Nelder-Mead method to solve nonlinear benchmark models. <i>Neural Computing and Applications</i> , 2018 , 29, 1169-1193	4.8	26
18	Bio-inspired computational heuristics for Sisko fluid flow and heat transfer models. <i>Applied Soft Computing Journal</i> , 2018 , 71, 622-648	7.5	24
17	Parameter estimation for Hammerstein control autoregressive systems using differential evolution. <i>Signal, Image and Video Processing</i> , 2018 , 12, 1603-1610	1.6	14
16	Design of neuro-computing paradigms for nonlinear nanofluidic systems of MHD Jeffery-Hamel flow. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 91, 57-85	5.3	56
15	Biologically inspired computing framework for solving two-point boundary value problems using differential evolution. <i>Neural Computing and Applications</i> , 2017 , 28, 2165-2179	4.8	13

14	Wind power prediction using deep neural network based meta regression and transfer learning. <i>Applied Soft Computing Journal</i> , 2017 , 58, 742-755	7.5	193
13	Intelligent and robust prediction of short term wind power using genetic programming based ensemble of neural networks. <i>Energy Conversion and Management</i> , 2017 , 134, 361-372	10.6	133
12	A new numerical approach to solve Thomas-Fermi model of an atom using bio-inspired heuristics integrated with sequential quadratic programming. <i>SpringerPlus</i> , 2016 , 5, 1400		47
11	Memetic computing through bio-inspired heuristics integration with sequential quadratic programming for nonlinear systems arising in different physical models. <i>SpringerPlus</i> , 2016 , 5, 2063		19
10	Machine Learning based short term wind power prediction using a hybrid learning model. <i>Computers and Electrical Engineering</i> , 2015 , 45, 122-133	4.3	29
9	Core loading pattern optimization of a typical two-loop 300MWe PWR using Simulated Annealing (SA), novel crossover Genetic Algorithms (GA) and hybrid GA(SA) schemes. <i>Annals of Nuclear Energy</i> , 2014 , 65, 122-131	1.7	47
8	Wind Power Prediction Using Genetic Programming Based Ensemble of Artificial Neural Networks (GPeANN) 2014 ,		2
7	Mathematical optimization of multilayer piezoelectric devices with nonuniform layers by simulated annealing. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2007 , 54, 1920-9	3.2	11
6	Multilayer piezocomposite structures with piezoceramic volume fractions determined by mathematical optimisation. <i>Ultrasonics</i> , 2004 , 42, 259-65	3.5	6
5	Thick aluminium nitride films deposited by room-temperature sputtering for ultrasonic applications. <i>Ultrasonics</i> , 2004 , 42, 485-90	3.5	22
4	1-3 connectivity piezoelectric ceramic-polymer composite transducers made with viscous polymer processing for high frequency ultrasound. <i>Ultrasonics</i> , 2004 , 42, 479-84	3.5	66
3	Piezoelectric 1B Composites for High Frequency Ultrasonic Transducer Applications. <i>Ferroelectrics</i> , 2004 , 304, 201-205	0.6	15
2	Net-shape ceramic processing as a route to ultrafine scale 1-3 connectivity piezoelectric ceramic-polymer composite transducers		19
1	Intelligent forecast engine for short-term wind speed prediction based on stacked long short-term memory. <i>Neural Computing and Applications</i> , 1	4.8	4