Aneela Zameer

List of Publications by Citations

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	Wind power prediction using deep neural network based meta regression and transfer learning. *Applied Soft Computing Journal*, **2017**, 58, 742-755	7.5	193
48	Predictions for COVID-19 with deep learning models of LSTM, GRU and Bi-LSTM. *Chaos, Solitons and Fractals*, **2020**, 140, 110212	9.3	153
47	Intelligent and robust prediction of short term wind power using genetic programming based ensemble of neural networks. *Energy Conversion and Management*, **2017**, 134, 361-372	10.6	133
46	1-3 connectivity piezoelectric ceramic-polymer composite transducers made with viscous polymer processing for high frequency ultrasound. *Ultrasonics*, **2004**, 42, 479-84	3.5	66
45	Design of neuro-computing paradigms for nonlinear nanofluidic systems of MHD Jeffery–Hamel flow. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 91, 57-85	5.3	56
44	A novel genetic LSTM model for wind power forecast. *Energy*, **2021**, 223, 120069	7.9	52
43	Integrated computational intelligent paradigm for nonlinear electric circuit models using neural networks, genetic algorithms and sequential quadratic programming. *Neural Computing and Applications*, **2020**, 32, 10337-10357	4.8	49
42	Integrated intelligent computing paradigm for the dynamics of micropolar fluid flow with heat transfer in a permeable walled channel. *Applied Soft Computing Journal*, **2019**, 79, 139-162	7.5	48
41	A novel wavenets long short term memory paradigm for wind power prediction. *Applied Energy*, **2020**, 269, 115098	10.7	48
40	A new numerical approach to solve Thomas-Fermi model of an atom using bio-inspired heuristics integrated with sequential quadratic programming. *SpringerPlus*, **2016**, 5, 1400		47
39	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. *Annals of Nuclear Energy*, **2014**, 65, 122-131	1.7	47
38	Intelligent computing to analyze the dynamics of Magnetohydrodynamic flow over stretchable rotating disk model. *Applied Soft Computing Journal*, **2018**, 67, 8-28	7.5	45
37	Design of nature-inspired heuristic paradigm for systems in nonlinear electrical circuits. *Neural Computing and Applications*, **2020**, 32, 7121-7137	4.8	36
36	Bio-inspired heuristics hybrid with sequential quadratic programming and interior-point methods for reliable treatment of economic load dispatch problem. *Neural Computing and Applications*, **2019**, 31, 447-475	4.8	32
35	Machine Learning based short term wind power prediction using a hybrid learning model. *Computers and Electrical Engineering*, **2015**, 45, 122-133	4.3	29
34	Fractional-order particle swarm based multi-objective PWR core loading pattern optimization. *Annals of Nuclear Energy*, **2020**, 135, 106982	1.7	27
33	Nature-inspired computational intelligence integration with Nelder–Mead method to solve nonlinear benchmark models. *Neural Computing and Applications*, **2018**, 29, 1169-1193	4.8	26

32	Bio-inspired computational heuristics for Sisko fluid flow and heat transfer models. *Applied Soft Computing Journal*, **2018**, 71, 622-648	7.5	24
31	Bio-inspired heuristics for layer thickness optimization in multilayer piezoelectric transducer for broadband structures. *Soft Computing*, **2019**, 23, 3449-3463	3.5	23
30	Thick aluminium nitride films deposited by room-temperature sputtering for ultrasonic applications. *Ultrasonics*, **2004**, 42, 485-90	3.5	22
29	Wind power prediction using a three stage genetic ensemble and auxiliary predictor. *Applied Soft Computing Journal*, **2020**, 90, 106151	7.5	21
28	Nature-inspired heuristic paradigms for parameter estimation of control autoregressive moving average systems. *Neural Computing and Applications*, **2019**, 31, 5819-5842	4.8	21
27	Integrated intelligent computing for heat transfer and thermal radiation-based two-phase MHD nanofluid flow model. *Neural Computing and Applications*, **2020**, 32, 2845-2877	4.8	20
26	Net-shape ceramic processing as a route to ultrafine scale 1-3 connectivity piezoelectric ceramic-polymer composite transducers		19
25	Memetic computing through bio-inspired heuristics integration with sequential quadratic programming for nonlinear systems arising in different physical models. *SpringerPlus*, **2016**, 5, 2063		19
24	Backtracking search heuristics for identification of electrical muscle stimulation models using Hammerstein structure. *Applied Soft Computing Journal*, **2019**, 84, 105705	7.5	17
23	Backtracking search optimization heuristics for nonlinear Hammerstein controlled auto regressive auto regressive systems. *ISA Transactions*, **2019**, 91, 99-113	5.5	17
22	Neuro-intelligent networks for Bouc⬚Wen hysteresis model for piezostage actuator. *European Physical Journal Plus*, **2021**, 136, 1	3.1	16
21	Piezoelectric 1⬚3 Composites for High Frequency Ultrasonic Transducer Applications. *Ferroelectrics*, **2004**, 304, 201-205	0.6	15
20	A multi-phase deep CNN based mitosis detection framework for breast cancer histopathological images. *Scientific Reports*, **2021**, 11, 6215	4.9	15
19	Novel computing paradigms for parameter estimation in Hammerstein controlled auto regressive auto regressive moving average systems. *Applied Soft Computing Journal*, **2019**, 80, 263-284	7.5	14
18	Parameter estimation for Hammerstein control autoregressive systems using differential evolution. *Signal, Image and Video Processing*, **2018**, 12, 1603-1610	1.6	14
17	Biologically inspired computing framework for solving two-point boundary value problems using differential evolution. *Neural Computing and Applications*, **2017**, 28, 2165-2179	4.8	13
16	Mathematical optimization of multilayer piezoelectric devices with nonuniform layers by simulated annealing. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2007**, 54, 1920-9	3.2	11
15	Novel computing paradigms for parameter estimation in power signal models. *Neural Computing and Applications*, **2020**, 32, 6253-6282	4.8	11

14	Numerical treatment of nonlinear singular Flierl Petviashivili systems using neural networks models. *Neural Computing and Applications*, **2019**, 31, 2371-2394	4.8	10
13	Differential evolution based computation intelligence solver for elliptic partial differential equations. *Frontiers of Information Technology and Electronic Engineering*, **2019**, 20, 1445-1456	2.2	9
12	Design of backtracking search heuristics for parameter estimation of power signals. *Neural Computing and Applications*, **2021**, 33, 1479-1496	4.8	9
11	Mitotic nuclei analysis in breast cancer histopathology images using deep ensemble classifier. *Medical Image Analysis*, **2021**, 72, 102121	15.4	7
10	Design of meta-heuristic computing paradigms for Hammerstein identification systems in electrically stimulated muscle models. *Neural Computing and Applications*, **2020**, 32, 12469-12497	4.8	6
9	Multilayer piezocomposite structures with piezoceramic volume fractions determined by mathematical optimisation. *Ultrasonics*, **2004**, 42, 259-65	3.5	6
8	Solution of Linear and Non-Linear Boundary Value Problems Using Population-Distributed Parallel Differential Evolution. *Journal of Artificial Intelligence and Soft Computing Research*, **2019**, 9, 205-218	5.1	5
7	Dynamics of nonlinear cantilever piezoelectric mechanical system: An intelligent computational approach. *Mathematics and Computers in Simulation*, **2022**, 196, 88-113	3.3	4
6	Intelligent forecast engine for short-term wind speed prediction based on stacked long short-term memory. *Neural Computing and Applications*, 1	4.8	4
5	Fuel loading pattern optimization of a pressurized water reactor by varying internal weights-based particle swarm optimization. *Nuclear Science and Techniques/Hewuli*, **2018**, 29, 1	2.1	3
4	Design of wideband tonpilz transducers for underwater SONAR applications with finite element model. *Applied Acoustics*, **2021**, 183, 108293	3.1	3
3	Weighted differential evolution heuristics for improved multilayer piezoelectric transducer design. *Applied Soft Computing Journal*, **2021**, 113, 107835	7.5	3
2	A two-stage intrusion detection system with auto-encoder and LSTMs. *Applied Soft Computing Journal*, **2022**, 121, 108768	7.5	3
1	Wind Power Prediction Using Genetic Programming Based Ensemble of Artificial Neural Networks (GPeANN) **2014**,		2