Ammara Mehmood

List of Publications by Year
in descending order

28 papers	1,055 citations	394286 19 h-index	526166 27 g-index
28 all docs	28 docs citations	28 times ranked	417 citing authors

#	Article	IF	Citations
1	Novel design of weighted differential evolution for parameter estimation of Hammerstein-Wiener systems. Journal of Advanced Research, 2023, 43, 123-136.	4.4	6
2	Design of evolutionary finite difference solver for numerical treatment of computer virus propagation with countermeasures model. Mathematics and Computers in Simulation, 2022, 193, 409-430.	2.4	27
3	Design of backpropagated neurocomputing paradigm for Stuxnet virus dynamics in control infrastructure. Neural Computing and Applications, 2022, 34, 5771.	3.2	3
4	Dynamics of nonlinear cantilever piezoelectric–mechanical system: An intelligent computational approach. Mathematics and Computers in Simulation, 2022, 196, 88-113.	2.4	16
5	Design of fractional hierarchical gradient descent algorithm for parameter estimation of nonlinear control autoregressive systems. Chaos, Solitons and Fractals, 2022, 157, 111913.	2.5	43
6	Fuzzy-weighted differential evolution computing paradigm for fractional order nonlinear wiener systems. Chaos, Solitons and Fractals, 2022, 159, 112160.	2.5	10
7	Design of backtracking search heuristics for parameter estimation of power signals. Neural Computing and Applications, 2021, 33, 1479-1496.	3.2	12
8	Numerical Computing Paradigm for Investigation of Micropolar Nanofluid Flow Between Parallel Plates System with Impact of Electrical MHD and Hall Current. Arabian Journal for Science and Engineering, 2021, 46, 645-662.	1.7	84
9	Neuro-intelligent networks for Bouc–Wen hysteresis model for piezostage actuator. European Physical Journal Plus, 2021, 136, 1.	1.2	40
10	Design of nature-inspired heuristic paradigm for systems in nonlinear electrical circuits. Neural Computing and Applications, 2020, 32, 7121-7137.	3.2	48
11	Integrated intelligent computing for heat transfer and thermal radiation-based two-phase MHD nanofluid flow model. Neural Computing and Applications, 2020, 32, 2845-2877.	3.2	27
12	Novel computing paradigms for parameter estimation in power signal models. Neural Computing and Applications, 2020, 32, 6253-6282.	3.2	17
13	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.	3.2	82
14	Numerical Treatments to Analyze the Nonlinear Radiative Heat Transfer in MHD Nanofluid Flow with Solar Energy. Arabian Journal for Science and Engineering, 2020, 45, 4975-4994.	1.7	56
15	Design of meta-heuristic computing paradigms for Hammerstein identification systems in electrically stimulated muscle models. Neural Computing and Applications, 2020, 32, 12469-12497.	3.2	12
16	A novel wavenets long short term memory paradigm for wind power prediction. Applied Energy, 2020, 269, 115098.	5.1	115
17	Backtracking search heuristics for identification of electrical muscle stimulation models using Hammerstein structure. Applied Soft Computing Journal, 2019, 84, 105705.	4.1	32
18	Novel computing paradigms for parameter estimation in Hammerstein controlled auto regressive auto regressive moving average systems. Applied Soft Computing Journal, 2019, 80, 263-284.	4.1	24

#	ARTICLE	IF	CITATIONS
19	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.	4.1	62
20	Backtracking search optimization heuristics for nonlinear Hammerstein controlled auto regressive auto regressive systems. ISA Transactions, 2019, 91, 99-113.	3.1	24
21	Nature-inspired heuristic paradigms for parameter estimation of control autoregressive moving average systems. Neural Computing and Applications, 2019, 31, 5819-5842.	3.2	27
22	Intelligent computing to analyze the dynamics of Magnetohydrodynamic flow over stretchable rotating disk model. Applied Soft Computing Journal, 2018, 67, 8-28.	4.1	57
23	Bio-inspired computational heuristics for parameter estimation of nonlinear Hammerstein controlled autoregressive system. Neural Computing and Applications, 2018, 29, 1455-1474.	3.2	62
24	Computational intelligence methodology for the analysis of RC circuit modelled with nonlinear differential order system. Neural Computing and Applications, 2018, 30, 1905-1924.	3.2	44
25	Design of neuro-computing paradigms for nonlinear nanofluidic systems of MHD Jefferyâ€"Hamel flow. Journal of the Taiwan Institute of Chemical Engineers, 2018, 91, 57-85.	2.7	66
26	Bio-inspired computational heuristics for Sisko fluid flow and heat transfer models. Applied Soft Computing Journal, 2018, 71, 622-648.	4.1	28
27	Parameter estimation for Hammerstein control autoregressive systems using differential evolution. Signal, Image and Video Processing, 2018, 12, 1603-1610.	1.7	20
28	Weighted differential evolution-based heuristic computing for identification of Hammerstein systems in electrically stimulated muscle modeling. Soft Computing, 0, , 1.	2.1	11