

Ammara Mehmood

List of Publications by Year in descending order

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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	A novel wavenets long short term memory paradigm for wind power prediction. Applied Energy, 2020, 269, 115098.	5.1	115
2	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
3	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
4	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
5	Bio-inspired computational heuristics for parameter estimation of nonlinear Hammerstein controlled autoregressive system. Neural Computing and Applications, 2018, 29, 1455-1474.	3.2	62
6	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
7	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
8	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
9	Design of nature-inspired heuristic paradigm for systems in nonlinear electrical circuits. Neural Computing and Applications, 2020, 32, 7121-7137.	3.2	48
10	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
11	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
12	Neuro-intelligent networks for Boucâ€“Wen hysteresis model for piezostage actuator. European Physical Journal Plus, 2021, 136, 1.	1.2	40
13	Backtracking search heuristics for identification of electrical muscle stimulation models using Hammerstein structure. Applied Soft Computing Journal, 2019, 84, 105705.	4.1	32
14	Bio-inspired computational heuristics for Sisko fluid flow and heat transfer models. Applied Soft Computing Journal, 2018, 71, 622-648.	4.1	28
15	Nature-inspired heuristic paradigms for parameter estimation of control autoregressive moving average systems. Neural Computing and Applications, 2019, 31, 5819-5842.	3.2	27
16	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
17	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
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	Backtracking search optimization heuristics for nonlinear Hammerstein controlled auto regressive auto regressive systems. ISA Transactions, 2019, 91, 99-113.	3.1	24
20	Parameter estimation for Hammerstein control autoregressive systems using differential evolution. Signal, Image and Video Processing, 2018, 12, 1603-1610.	1.7	20
21	Novel computing paradigms for parameter estimation in power signal models. Neural Computing and Applications, 2020, 32, 6253-6282.	3.2	17
22	Dynamics of nonlinear cantilever piezoelectricâ€mechanical system: An intelligent computational approach. Mathematics and Computers in Simulation, 2022, 196, 88-113.	2.4	16
23	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
24	Design of backtracking search heuristics for parameter estimation of power signals. Neural Computing and Applications, 2021, 33, 1479-1496.	3.2	12
25	Weighted differential evolution-based heuristic computing for identification of Hammerstein systems in electrically stimulated muscle modeling. Soft Computing, 0, , 1.	2.1	11
26	Fuzzy-weighted differential evolution computing paradigm for fractional order nonlinear wiener systems. Chaos, Solitons and Fractals, 2022, 159, 112160.	2.5	10
27	Novel design of weighted differential evolution for parameter estimation of Hammerstein-Wiener systems. Journal of Advanced Research, 2023, 43, 123-136.	4.4	6
28	Design of backpropagated neurocomputing paradigm for Stuxnet virus dynamics in control infrastructure. Neural Computing and Applications, 2022, 34, 5771.	3.2	3