Rasoul Rahmani

List of Publications by Year
in descending order

22	874	840585 11	839398 18
papers	citations	h-index	g-index

22	22	22	1044
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A green energy research: forecasting of wind power for a cleaner environment using robust hybrid metaheuristic model. Environmental Science and Pollution Research, 2022, 29, 50998-51010.	2.7	3
2	Inter-continental Data Centre Power Load Balancing for Renewable Energy Maximisation. Electronics (Switzerland), 2022, 11, 1564.	1.8	1
3	Wind Power Forecasting Using a New and Robust Hybrid Metaheuristic Approach: A Case Study of Multiple Locations. , 2019, , .		5
4	Efficient Photovoltaic System Maximum Power Point Tracking Using a New Technique. Energies, 2016, 9, 147.	1.6	45
5	A hybrid metaheuritic technique developed for hourly load forecasting. Complexity, 2016, 21, 521-532.	0.9	8
6	An Analytical Approach to Calculate the Charge Density of Biofunctionalized Graphene Layer Enhanced by Artificial Neural Networks. Plasmonics, 2016, 11, 95-102.	1.8	29
7	Modelling Effective Charge Density in Graphene-Based DNA Sensor. Science of Advanced Materials, 2016, 8, 1187-1194.	0.1	1
8	Designing precision fuzzy controller for load swing of an overhead crane. Neural Computing and Applications, 2015, 26, 1555-1560.	3.2	19
9	Simulation and Hardware Implementation of New Maximum Power Point Tracking Technique for Partially Shaded PV System Using Hybrid DEPSO Method. IEEE Transactions on Sustainable Energy, 2015, 6, 850-862.	5.9	258
10	A precise fuzzy controller developed for overhead crane. , 2015, , .		4
11	Structure and Thickness Optimization of Active Layer in Nanoscale Organic Solar Cells. Plasmonics, 2015, 10, 495-502.	1.8	9
12	Analytical development and optimization of a grapheneâ€“solution interface capacitance model. Beilstein Journal of Nanotechnology, 2014, 5, 603-609.	1.5	9
13	Maximum power point tracking of partial shaded photovoltaic array using an evolutionary algorithm: A particle swarm optimization technique. Journal of Renewable and Sustainable Energy, 2014, 6, .	0.8	58
14	A review on the applications of driving data and traffic information for vehicles×3 energy conservation. Renewable and Sustainable Energy Reviews, 2014, 37, 822-833.	8.2	44
15	A new simple, fast and efficient algorithm for global optimization over continuous search-space problems: Radial Movement Optimization. Applied Mathematics and Computation, 2014, 248, 287-300.	1.4	59
16	Analytical prediction of liquid-gated graphene nanoscroll biosensor performance. RSC Advances, 2014, 4, 16153.	1.7	23
17	Oil Spill trajectory tracking using swarm intelligence and hybrid fuzzy system. , 2014, , .		2
18	Fuzzy logic controller and cascade inverter for direct torque control of IM. Neural Computing and Applications, 2014, 25, 879-888.	3.2	13

#	Article	IF	Citations
19	Hybrid technique of ant colony and particle swarm optimization for short term wind energy forecasting. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 123, 163-170.	1.7	109
20	Optimization of DNA Sensor Model Based Nanostructured Graphene Using Particle Swarm Optimization Technique. Journal of Nanomaterials, 2013, 2013, 1-9.	1.5	8
21	Analytical Modeling of Partially Shaded Photovoltaic Systems. Energies, 2013, 6, 128-144.	1.6	150
22	Fuzzy logic controller optimized by particle swarm optimization for DC motor speed control. , 2012, , .		17