

# Rasoul Rahmani

## List of Publications by Year in descending order

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22  
papers

874  
citations

840119

11  
h-index

839053

18  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1044  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Analytical Modeling of Partially Shaded Photovoltaic Systems. Energies, 2013, 6, 128-144.	1.6	150
3	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
4	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
5	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
6	Efficient Photovoltaic System Maximum Power Point Tracking Using a New Technique. Energies, 2016, 9, 147.	1.6	45
7	A review on the applications of driving data and traffic information for vehicles <sup>x3</sup> energy conservation. Renewable and Sustainable Energy Reviews, 2014, 37, 822-833.	8.2	44
8	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
9	Analytical prediction of liquid-gated graphene nanoscroll biosensor performance. RSC Advances, 2014, 4, 16153.	1.7	23
10	Designing precision fuzzy controller for load swing of an overhead crane. Neural Computing and Applications, 2015, 26, 1555-1560.	3.2	19
11	Fuzzy logic controller optimized by particle swarm optimization for DC motor speed control. , 2012, , .		17
12	Fuzzy logic controller and cascade inverter for direct torque control of IM. Neural Computing and Applications, 2014, 25, 879-888.	3.2	13
13	Analytical development and optimization of a graphene <sup>2</sup> solution interface capacitance model. Beilstein Journal of Nanotechnology, 2014, 5, 603-609.	1.5	9
14	Structure and Thickness Optimization of Active Layer in Nanoscale Organic Solar Cells. Plasmonics, 2015, 10, 495-502.	1.8	9
15	Optimization of DNA Sensor Model Based Nanostructured Graphene Using Particle Swarm Optimization Technique. Journal of Nanomaterials, 2013, 2013, 1-9.	1.5	8
16	A hybrid metaheuristic technique developed for hourly load forecasting. Complexity, 2016, 21, 521-532.	0.9	8
17	Wind Power Forecasting Using a New and Robust Hybrid Metaheuristic Approach: A Case Study of Multiple Locations. , 2019, , .		5
18	A precise fuzzy controller developed for overhead crane. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
19	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
20	Oil Spill trajectory tracking using swarm intelligence and hybrid fuzzy system. , 2014, , .		2
21	Modelling Effective Charge Density in Graphene-Based DNA Sensor. Science of Advanced Materials, 2016, 8, 1187-1194.	0.1	1
22	Inter-continental Data Centre Power Load Balancing for Renewable Energy Maximisation. Electronics (Switzerland), 2022, 11, 1564.	1.8	1