

Mohamed A Tolba

List of Publications by Year in descending order

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27
papers

578
citations

759233

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times ranked

520
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel statistical performance evaluation of most modern optimization-based global MPPT techniques for partially shaded PV system. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 115, 109372.	16.4	118
2	A Novel Robust Methodology Based Salp Swarm Algorithm for Allocation and Capacity of Renewable Distributed Generators on Distribution Grids. <i>Energies</i> , 2018, 11, 2556.	3.1	68
3	Fuel Cell Parameters Estimation via Marine Predators and Political Optimizers. <i>IEEE Access</i> , 2020, 8, 166998-167018.	4.2	46
4	Impact of Optimum Allocation of Renewable Distributed Generations on Distribution Networks Based on Different Optimization Algorithms. <i>Energies</i> , 2018, 11, 245.	3.1	42
5	Power system operation enhancement using a new hybrid methodology for optimal allocation of FACTS devices. <i>Energy Reports</i> , 2022, 8, 217-238.	5.1	36
6	An Efficient Chameleon Swarm Algorithm for Economic Load Dispatch Problem. <i>Mathematics</i> , 2021, 9, 2770.	2.2	31
7	Heuristic optimization techniques for connecting renewable distributed generators on distribution grids. <i>Neural Computing and Applications</i> , 2020, 32, 14195-14225.	5.6	25
8	LVCI approach for optimal allocation of distributed generations and capacitor banks in distribution grids based on mothâ€flame optimization algorithm. <i>Electrical Engineering</i> , 2018, 100, 2059-2084.	2.0	20
9	Comprehensive Modeling and Control of Grid-Connected Hybrid Energy Sources Using MPPT Controller. <i>Energies</i> , 2021, 14, 5142.	3.1	19
10	Optimal allocation and sizing of multiple distributed generators in distribution networks using a novel hybrid particle swarm optimization algorithm. , 2017, , .		18
11	Optimal sitting and sizing of renewable distributed generations in distribution networks using a hybrid PSO-GSA optimization algorithm. , 2017, , .		18
12	Study and analysis of power quality for an electric power distribution system - Case study: Moscow region. , 2016, , .		17
13	Comprehensive analysis of optimal allocation of capacitor banks in various distribution networks using different hybrid optimization algorithms. , 2017, , .		17
14	Performance Enhancement of Micro Grid System with SMES Storage System Based on Mine Blast Optimization Algorithm. <i>Energies</i> , 2019, 12, 3110.	3.1	17
15	Optimal Sizing of Stand-Alone Microgrids Based on Recent Metaheuristic Algorithms. <i>Mathematics</i> , 2022, 10, 140.	2.2	16
16	VLCI approach for optimal capacitors allocation in distribution networks based on hybrid PSO-GSA optimization algorithm. <i>Neural Computing and Applications</i> , 2019, 31, 3833-3850.	5.6	15
17	Study and analysis of power quality of electric power system. Case study: Republic of Tajikistan. , 2018, , .		12
18	Integration of Renewable Distributed Generation in Distribution Networks Including a Practical Case Study Based on a Hybrid PSO-GSA Optimization Algorithm. <i>Electric Power Components and Systems</i> , 2018, 46, 2103-2116.	1.8	10

#	ARTICLE	IF	CITATIONS
19	Efficient Utilization of the Power Grid using FACTS devices based on a new Metaheuristic Optimizer. , 2021, , .		7
20	Power Balance Management of an Autonomous Hybrid Energy System Based on the Dual-Energy Storage. Energies, 2019, 12, 4690.	3.1	6
21	Optimal shunt capacitors sittings and sizing in radial distribution systems using a novel hybrid optimization algorithm. , 2016, , .		5
22	Measurement and analysis of an electric power distribution system with optimal reactive power compensation for improving the power quality. Case study: Middle Egypt region. , 2017, , .		5
23	A new hybrid PSOCSA algorithm for optimal allocation and sizing of capacitor banks in RDS. , 2017, , .		4
24	Integration of DGs Optimally to Enhance the Voltage Profile and Stability Index of Distribution Grid. , 2021, , .		3
25	A Robust Methodology Approach Based Sparrow Search Algorithm for the Incorporation of Rdgs to Improve the Distribution Grid Performance. , 2021, , .		2
26	Optimum Size of Battery-less Energy Sources Autonomous Hybrid Power System for Water Pumping Applications. , 2020, , .		1
27	Performance Analysis of Solar PV System under Shading Condition. , 2020, , .		0