Partha P Biswas

List of Publications by Citations

23 papers	**805** citations	**11** h-index	**23** g-index
23 ext. papers	**1,129** ext. citations	**6.3** avg, IF	**5** L-index

#	Paper	IF	Citations
23	Optimal power flow solutions incorporating stochastic wind and solar power. *Energy Conversion and Management*, **2017**, 148, 1194-1207	10.6	175
22	Optimal power flow solutions using differential evolution algorithm integrated with effective constraint handling techniques. *Engineering Applications of Artificial Intelligence*, **2018**, 68, 81-100	7.2	115
21	Multiobjective economic-environmental power dispatch with stochastic wind-solar-small hydro power. *Energy*, **2018**, 150, 1039-1057	7.9	110
20	Parameter estimation of solar cells using datasheet information with the application of an adaptive differential evolution algorithm. *Renewable Energy*, **2019**, 132, 425-438	8.1	90
19	Optimal reactive power dispatch with uncertainties in load demand and renewable energy sources adopting scenario-based approach. *Applied Soft Computing Journal*, **2019**, 75, 616-632	7.5	80
18	A multiobjective approach for optimal placement and sizing of distributed generators and capacitors in distribution network. *Applied Soft Computing Journal*, **2017**, 60, 268-280	7.5	70
17	Minimizing harmonic distortion in power system with optimal design of hybrid active power filter using differential evolution. *Applied Soft Computing Journal*, **2017**, 61, 486-496	7.5	41
16	Multi-objective optimal power flow solutions using a constraint handling technique of evolutionary algorithms. *Soft Computing*, **2020**, 24, 2999-3023	3.5	30
15	Decomposition based multi-objective evolutionary algorithm for windfarm layout optimization. *Renewable Energy*, **2018**, 115, 326-337	8.1	25
14	Optimal placement and sizing of FACTS devices for optimal power flow in a wind power integrated electrical network. *Neural Computing and Applications*, **2021**, 33, 6753-6774	4.8	13
13	Electricity Theft Pinpointing Through Correlation Analysis of Master and Individual Meter Readings. *IEEE Transactions on Smart Grid*, **2020**, 11, 3031-3042	10.7	11
12	Optimal placement of wind turbines in a windfarm using L-SHADE algorithm **2017**,		8
11	Minimizing THD of multilevel inverters with optimal values of DC voltages and switching angles using LSHADE-EpSin algorithm **2017**,		7
10	Distribution Network Reconfiguration Together with Distributed Generator and Shunt Capacitor Allocation for Loss Minimization **2018**,		7
9	Large Initial Population and Neighborhood Search incorporated in LSHADE to solve CEC2020 Benchmark Problems **2020**,		6
8	Optimal reconfiguration and distributed generator allocation in distribution network using an advanced adaptive differential evolution **2017**,		5
7	Optimization of Wind Turbine Rotor Diameters and Hub Heights in a Windfarm Using Differential Evolution Algorithm. *Advances in Intelligent Systems and Computing*, **2017**, 131-141	0.4	3

LIST OF PUBLICATIONS

6	False Data Injection Cyber Range of Modernized Substation System **2020**,		3
5	Differential evolution with orthogonal array-based initialization and a novel selection strategy. *Swarm and Evolutionary Computation*, **2022**, 68, 101010	9.8	3
4	Optimal Power Flow Solutions Using Algorithm Success History Based Adaptive Differential Evolution with Linear Population Reduction **2018**,		2
3	Multiobjective Evolutionary Optimization **2018**, 1-15		1
2	PowerNet: a smart energy forecasting architecture based on neural networks. *IET Smart Cities*, **2020**, 2, 199-207	3.8	0
1	Cyber-Attack Case Studies on Dynamic Voltage Restorer in Smart Grid. *Lecture Notes in Computer Science*, **2021**, 191-208	0.9	