Akash Saxena

List of Publications by Citations

58 papers	483 citations	12 h-index	20 g-index
75 ext. papers	701 ext. citations	2.4 avg, IF	5.12 L-index

#	Paper	IF	Citations
58	Chaotic map enabled Grey Wolf Optimizer. *Applied Soft Computing Journal*, **2019**, 75, 84-105	7.5	61
57	Intelligent Grey Wolf Optimizer Development and application for strategic bidding in uniform price spot energy market. *Applied Soft Computing Journal*, **2018**, 69, 1-13	7.5	45
56	Grey wolf optimizer based regulator design for automatic generation control of interconnected power system. *Cogent Engineering*, **2016**, 3, 1151612	1.5	39
55	A comprehensive study of chaos embedded bridging mechanisms and crossover operators for grasshopper optimisation algorithm. *Expert Systems With Applications*, **2019**, 132, 166-188	7.8	34
54	Development and applications of an intelligent crow search algorithm based on opposition based learning. *ISA Transactions*, **2020**, 99, 210-230	5.5	32
53	Application and Development of Enhanced Chaotic Grasshopper Optimization Algorithms. *Modelling and Simulation in Engineering*, **2018**, 2018, 1-14	1.3	26
52	Ambient Air Quality Classification by Grey Wolf Optimizer Based Support Vector Machine. *Journal of Environmental and Public Health*, **2017**, 2017, 3131083	2.6	25
51	A harmonic estimator design with evolutionary operators equipped grey wolf optimizer. *Expert Systems With Applications*, **2020**, 145, 113125	7.8	23
50	Performance Evaluation of Antlion Optimizer Based Regulator in Automatic Generation Control of Interconnected Power System. *Journal of Engineering (United States)*, **2016**, 2016, 1-14	1.5	18
49	Optimal Placement Strategy of Distributed Generators based on Radial Basis Function Neural Network in Distribution Networks. *Procedia Computer Science*, **2015**, 57, 249-257	1.6	17
48	An opposition theory enabled moth flame optimizer for strategic bidding in uniform spot energy market **2019**, 22, 1047-1067		15
47	A demand side management control strategy using Whale optimization algorithm. *SN Applied Sciences*, **2019**, 1, 1	1.8	13
46	A least square support vector machine-based approach for contingency classification and ranking in a large power system. *Cogent Engineering*, **2016**, 3, 1137201	1.5	11
45	Short term forecasting based on hourly wind speed data using deep learning algorithms **2020**,		9
44	Grey forecasting models based on internal optimization for Novel Corona virus (COVID-19). *Applied Soft Computing Journal*, **2021**, 111, 107735	7.5	9
43	**2012**,		7
42	Toward Better Control of Inclusion Cleanliness in a Gas Stirred Ladle Using Multiscale Numerical Modeling. *Materials*, **2018**, 11,	3.5	6

41	Optimal Placement of SVC Incorporating Installation Cost. *International Journal of Hybrid Information Technology*, **2016**, 9, 289-302		6
40	Chaotic Variants of Grasshopper Optimization Algorithm and Their Application to Protein Structure Prediction. *Springer Tracts in Nature-inspired Computing*, **2020**, 151-175	1.8	6
39	Transient stability-oriented assessment and application of preventive control action for power system. *Journal of Engineering*, **2019**, 2019, 5345-5350	0.7	6
38	Parameter extraction of solar cell using intelligent grey wolf optimizer. *Evolutionary Intelligence*, **2020**, 1	1.7	6
37	Development and application of Quantum Entanglement inspired Particle Swarm Optimization. *Knowledge-Based Systems*, **2021**, 219, 106859	7.3	5
36	Electricity price forecasting by linear regression and SVM **2016**,		5
35	Chaotic step length artificial bee colony algorithms for protein structure prediction. *Journal of Interdisciplinary Mathematics*, **2020**, 23, 617-629	1.2	4
34	Identification of generator criticality and transient instability by supervising real-time rotor angle trajectories employing RBFNN. *ISA Transactions*, **2018**, 83, 66-88	5.5	4
33	Application of ANN for stability assessment of large power system by post-fault rotor angle measurements **2018**,		4
32	Support Vector Machine based approach for accurate contingency ranking in power system **2015**,		4
31	Online identification of coherent generators in power system by using SVM **2017**,		4
30	Optimal Bidding Strategy for Profit Maximization of Generation Companies under Step-Wise Bidding Protocol. *International Journal of Engineering and Technology*, **2017**, 9, 797-805	1	4
29	Voltage Stability Assessment using GVSM and Preventive Control using SVC. *International Journal of Computer Applications*, **2016**, 142, 23-31	1.1	4
28	Voltage stability assessment using artificial neural network **2018**,		3
27	An efficient harmonic estimator design based on Augmented Crow Search Algorithm in noisy environment. *Expert Systems With Applications*, **2022**, 194, 116470	7.8	3
26	Assessment of Global Voltage Stability Margin through Radial Basis Function Neural Network. *Advances in Electrical Engineering*, **2016**, 2016, 1-11		3
25	A new redefined model of Firefly Algorithm with application to strategic bidding problem in Power Sector. *International Transactions on Electrical Energy Systems*, **2020**, 30, e12279	2.2	2
24	Levy Flight Opposition Embedded BAT Algorithm for Model Order Reduction. *Springer Tracts in Nature-inspired Computing*, **2021**, 103-118	1.8	2

23	An intelligent energy bidding strategy based on opposition theory enabled grey wolf optimizer **2018**,		2
22	Assessment of Transient Stability through Coherent Machine Identification by Using Least-Square Support Vector Machine. *Modelling and Simulation in Engineering*, **2018**, 2018, 1-12	1.3	2
21	Critical investigations on performance of ANN and wavelet fault classifiers. *Cogent Engineering*, **2017**, 4, 1286730	1.5	1
20	Supervised Learning Paradigm Based on Least Square Support Vector Machine for Contingency Ranking in a Large Power System. *Advances in Intelligent Systems and Computing*, **2016**, 531-539	0.4	1
19	Minimax approximation synthesis in PSS design by embedding gravitational search algorithm **2014**,		1
18	Profit Maximization Bidding Strategy for a GENCO using Whale Optimization Algorithm **2019**,		1
17	Adaptive Inertia-Weighted Firefly Algorithm. *Lecture Notes in Electrical Engineering*, **2020**, 495-503	0.2	1
16	Opposition Theory Enabled Intelligent Whale Optimization Algorithm. *Lecture Notes in Electrical Engineering*, **2020**, 485-493	0.2	1
15	Solar Cell Parameter Extraction by Using Harris Hawks Optimization Algorithm. *Studies in Computational Intelligence*, **2021**, 349-379	0.8	1
14	An Improved Binary Grey Wolf Optimizer (IBGWO) for Unit Commitment Problem in Thermal Generation **2019**,		1
13	Process Optimization of Biodiesel Production Using the Laplacian Harris Hawk Optimization (LHHO) Algorithm. *Modelling and Simulation in Engineering*, **2022**, 2022, 1-13	1.3	1
12	Chaos Embed Marine Predator (CMPA) Algorithm for Feature Selection. *Mathematics*, **2022**, 10, 1411	2.3	1
11	An Optimal Demand Response Strategy Using Gray Wolf Optimization. *Algorithms for Intelligent Systems*, **2021**, 893-908	0.5	0
10	Numerical investigation of the respective roles of cohesive and hydrodynamic forces in aggregate restructuring under shear flow. *Journal of Colloid and Interface Science*, **2022**, 608, 355-365	9.3	0
9	Forecasting of PM10 Using Intelligent Crow Search Algorithm Tuned Feed-Forward Neural Network. *Advances in Intelligent Systems and Computing*, **2022**, 117-127	0.4	0
8	Aspects of Smart Grid in Indian Scenario **2011**, 2435-2440		
7	Harmonic Estimator Design Using Teaching Learning Based Optimization. *Algorithms for Intelligent Systems*, **2021**, 173-185	0.5	
6	Performance Evaluation of (beta) Chaotic Map Enabled Grey Wolf Optimizer on Protein Structure Prediction. *Algorithms for Intelligent Systems*, **2021**, 147-159	0.5	

List of Publications

5	Structured Clanning-Based Ensemble Optimization Algorithm: A Novel Approach for Solving Complex Numerical Problems. *Modelling and Simulation in Engineering*, **2018**, 2018, 1-19	1.3
4	Transmission expansion planning using composite teaching learning based optimisation algorithm. *Evolutionary Intelligence*,1	1.7
3	Application of Hybridized Whale Optimization for Protein Structure Prediction. *Advances in Intelligent Systems and Computing*, **2022**, 141-150	0.4
2	Bidding strategies of a power producer in power market: measurement indices and evaluation **2021** , 635-652	
1	An Application of OMFO for Optimal Bidding Strategy in Pay-as-Bid Auction Environment. *Algorithms for Intelligent Systems*, **2022**, 785-792	0.5