

# Nidul Sinha

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

941  
citations

471509

17  
h-index

501196

28  
g-index

50  
all docs

50  
docs citations

50  
times ranked

550  
citing authors

#	ARTICLE	IF	CITATIONS
1	Load frequency control of a hydro-thermal system under deregulated environment using biogeography-based optimised three-degree-of-freedom integral-derivative controller. IET Generation, Transmission and Distribution, 2015, 9, 2284-2293.	2.5	128
2	Solution to automatic generation control problem using firefly algorithm optimized $\mu$ controller. ISA Transactions, 2014, 53, 358-366.	5.7	87
3	AGC of dish-Stirling solar thermal integrated thermal system with biogeography based optimised three degree of freedom PID controller. IET Renewable Power Generation, 2016, 10, 1161-1170.	3.1	70
4	Maiden application of hybrid pattern search-biogeography based optimisation technique in automatic generation control of a multi-area system incorporating interline power flow controller. IET Generation, Transmission and Distribution, 2016, 10, 1654-1662.	2.5	57
5	Automatic Eyeblink Artifact Removal From EEG Signal Using Wavelet Transform With Heuristically Optimized Threshold. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 475-484.	6.3	56
6	Fuzzy logic based on-line fault detection and classification in transmission line. SpringerPlus, 2016, 5, 1002.	1.2	51
7	Automatic generation control of an unequal four-area thermal system using biogeography-based optimised 3DOF-PID controller. IET Generation, Transmission and Distribution, 2016, 10, 4118-4129.	2.5	42
8	Automated Feature Extraction on AsMap for Emotion Classification Using EEG. Sensors, 2022, 22, 2346.	3.8	39
9	Automated eye blink artefact removal from EEG using support vector machine and autoencoder. IET Signal Processing, 2019, 13, 141-148.	1.5	36
10	Load frequency control of a multi-area system incorporating distributed generation resources, gate controlled series capacitor along with high-voltage direct current link using hybrid ALO-pattern search optimised fractional order controller. IET Renewable Power Generation, 2019, 13, 330-341.	3.1	33
11	Maiden application of two degree of freedom cascade controller for multi-area automatic generation control. International Transactions on Electrical Energy Systems, 2018, 28, e2586.	1.9	27
12	Parabolic trough solar-thermal-wind-diesel isolated hybrid power system: active power/frequency control analysis. IET Renewable Power Generation, 2018, 12, 1893-1903.	3.1	26
13	Reactive power performance analysis of dish-Stirling solar thermal-diesel hybrid energy system. IET Renewable Power Generation, 2017, 11, 750-762.	3.1	24
14	Performance Assessment of an Islanded Hybrid Power System with Different Storage Combinations Using an FPA-Tuned Two-Degree-of-Freedom (2DOF) Controller. Energies, 2020, 13, 5610.	3.1	23
15	Automatic Muscle Artifacts Identification and Removal from Single-Channel EEG Using Wavelet Transform with Meta-Heuristically Optimized Non-Local Means Filter. Sensors, 2022, 22, 2948.	3.8	23
16	Application of antlion optimizer technique in restructured automatic generation control of two-area hydro-thermal system considering governor dead band. , 2017, , .		19
17	Automatic EEG eyeblink artefact identification and removal technique using independent component analysis in combination with support vector machines and denoising autoencoder. IET Signal Processing, 2020, 14, 396-405.	1.5	19
18	Optimal estimation of power system harmonics using a hybrid Firefly algorithm-based least square method. Soft Computing, 2017, 21, 1721-1734.	3.6	18

#	ARTICLE	IF	CITATIONS
19	Maiden Voltage Control Analysis of Hybrid Power System With Dynamic Voltage Restorer. IEEE Access, 2021, 9, 60531-60542.	4.2	18
20	Meta Heuristic Search Algorithms for Short-Term Hydrothermal Scheduling. , 2006, , .		16
21	Real Time Simulation for Load Frequency Control of Multisource Microgrid System Using Grey Wolf Optimization Based Modified Bias Coefficient Diagram Method (GWO-MBCDM) Controller. Journal of Electrical Engineering and Technology, 2021, 16, 205-221.	2.0	16
22	A triple layer intrusion detection system for SCADA security of electric utility. , 2015, , .		13
23	Harmonic parameter estimation of a power signal using FT-RLS algorithm. , 2014, , .		10
24	SAM 40: Dataset of 40 subject EEG recordings to monitor the induced-stress while performing Stroop color-word test, arithmetic task, and mirror image recognition task. Data in Brief, 2022, 40, 107772.	1.0	10
25	PSO embedded evolutionary programming technique for non-convex economic load dispatch. , 0, , .		8
26	AGC of a multi-area interconnected system with FACTS and firefly optimized 2DOF PID controller. , 2014, , .		8
27	Voltage stability of solar dish-Stirling based autonomous DC microgrid using grey wolf optimised FOPIID-controller. International Journal of Sustainable Energy, 2021, 40, 412-429.	2.4	7
28	Variable constrained based LMS algorithm for power system harmonic estimation. , 2014, , .		5
29	AGC of a multi - area system using firefly optimized two degree of freedom PID controller. , 2014, , .		5
30	Fuzzy logic controlled wind turbine emulator (WTE). , 2016, , .		5
31	EEG-based emotion classification using LSTM under new paradigm. Biomedical Physics and Engineering Express, 2021, 7, 065018.	1.2	5
32	Genetic Algorithms for non-convex combined heat and power dispatch problems. , 2008, , .		4
33	Optimal solution for non-convex combined heat and power dispatch problems using Differential Evolution. , 2010, , .		4
34	Modified DE Based ATC Enhancement Using FACTS Devices. , 2015, , .		4
35	Isolated and Interconnected Multi-Area Hybrid Power Systems: A Review on Control Strategies. Energies, 2021, 14, 8276.	3.1	4
36	Real Time Simulation of Modified Bias Based Load Disturbance Rejection Controller for Frequency Regulation of Islanded Micro-Grid. International Journal of Emerging Electric Power Systems, 2019, 20, .	0.8	3

#	ARTICLE	IF	CITATIONS
37	GA tuned differential evolution for economic load dispatch with non-convex cost function. , 2009, , .		2
38	Hybrid Bacteria Foraging-DE based algorithm for Economic Load Dispatch with non-convex loads. , 2010, , .		2
39	AGC of multi-area ST " thermal " hydro system incorporating redox flow batteries. , 2017, , .		2
40	Parallel ABC optimization algorithm for hydrothermal scheduling problems. AIP Conference Proceedings, 2018, , .	0.4	2
41	Investigation of multifarious power transferred through the transmission network for all associated generators in the system individually. IET Generation, Transmission and Distribution, 2018, 12, 1848-1855.	2.5	2
42	Correlation Based Road Pattern Search (CBRPS) for Motion Estimation in Video Processing. Journal of Intelligent and Fuzzy Systems, 2019, 36, 5989-5999.	1.4	2
43	Application of nature-inspired algorithms (NIA) for optimization of video compression. Journal of Intelligent and Fuzzy Systems, 2020, 38, 3419-3443.	1.4	2
44	Genetic Algorithms for Solving Optimal Power Flow Problems. , 0, , 471-500.		1
45	Application of Volterra-series algorithm for power system harmonic estimation. , 2014, , .		1
46	Emotion recognition from EEG signals using back propagation neural network. , 2019, , .		1
47	Optimized particle swarm optimization for faster and accurate video compression. Multimedia Tools and Applications, 0, , 1.	3.9	1
48	Damping of oscillations using TCPS with BF technique in a three-area thermal system. , 2014, , .		0
49	Design of a novel fuzzy logic based controller for maximum power point tracking of a grid connected solar PV system. , 2015, , .		0
50	Performance analysis of a novel hybrid boosting converter for renewable energy applications. , 2017, , .		0