

Nishant Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,868
citations

279701

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395590

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g-index

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docs citations

55
times ranked

1033
citing authors

#	ARTICLE	IF	CITATIONS
19	An MPC Based Algorithm for a Multipurpose Grid Integrated Solar PV System With Enhanced Power Quality and PCC Voltage Assist. IEEE Transactions on Energy Conversion, 2021, 36, 1469-1478.	3.7	34
20	ANOVA Kernel Kalman Filter for Multi-Objective Grid Integrated Solar Photovoltaic-Distribution Static Compensator. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4256-4264.	3.5	33
21	Command Authentication Using Multiagent System for Attacks on the Economic Dispatch Problem. IEEE Transactions on Industry Applications, 2022, 58, 4381-4393.	3.3	30
22	Grid synchronisation framework for partially shaded solar PV-based microgrid using intelligent control strategy. IET Generation, Transmission and Distribution, 2019, 13, 829-837.	1.4	29
23	A Rapid Circle Centre-Line Concept-Based MPPT Algorithm for Solar Photovoltaic Energy Conversion Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 940-949.	3.5	29
24	Peak power detection of PS solar PV panel by using WPSCO. IET Renewable Power Generation, 2017, 11, 480-489.	1.7	28
25	A Spontaneous Control for Grid Integrated Solar Photovoltaic Energy Conversion Systems With Voltage Profile Considerations. IEEE Transactions on Sustainable Energy, 2021, 12, 2159-2168.	5.9	28
26	A Framework of L-HC and AM-MKF for Accurate Harmonic Supportive Control Schemes. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 5246-5256.	3.5	26
27	Steepest Descent Laplacian Regression Based Neural Network Approach for Optimal Operation of Grid Supportive Solar PV Generation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1947-1951.	2.2	24
28	Application of computer and modern automation system for protection and optimum use of High voltage power transformer. , 2013, , .		19
29	Optimal linear phase fir high pass filter design using PSOCFIWA-WM. , 2012, , .		18
30	A solution to the ramp rate and prohibited operating zone constrained unit commitment by GHS-JGT evolutionary algorithm. International Journal of Electrical Power and Energy Systems, 2016, 81, 193-203.	3.3	18
31	Automatic control of tidal power plant. , 2012, , .		17
32	A Quadrature Oscillator-Based DT for Accurate Estimation of Fundamental Load Current for PV System in Distribution Network. IEEE Transactions on Industrial Informatics, 2019, 15, 3324-3333.	7.2	17
33	Modulated Perturb and Observe Maximum Power Point Tracking Algorithm for Solar PV Energy Conversion System. , 2019, , .		14
34	Intuitive control technique for grid connected partially shaded solar PV-based distributed generating system. IET Renewable Power Generation, 2020, 14, 600-607.	1.7	14
35	Normal harmonic search algorithm based MPPT of solar PV system. , 2016, , .		9
36	Control Scheme for Single Phase Single Stage Solar PV Energy Conversion System. , 2021, , .		9

#	ARTICLE	IF	CITATIONS
37	An Enhanced Multilayer GI Based Control for Grid Integrated Solar PV System. , 2020, , .		9
38	Maximum power peak detection of partially shaded PV panel by using intelligent monkey king evolution algorithm. , 2016, , .		8
39	Maximum power extraction from partially shaded PV panel in rainy season by using improved antlions optimization algorithm. , 2016, , .		8
40	Attack Detection and Mitigation using Multi-Agent System in the Deregulated Market. , 2021, , .		8
41	Harmony Search with Wavelet Mutation evolutionary approach for ramp rate constrained unit commitment. , 2015, , .		7
42	Double relay based sag, swell, over and under voltage protection and detection scheme. , 2013, , .		5
43	Discrete noise-eliminating second order generalized integrator based control strategy applied to grid-integrated solar PV synchronization converter. , 2018, , .		5
44	Wavelet Mutation based JAYA Optimization Algorithm for Global Maximum Power Peak Searching for Partially Shaded Solar PV Panel Condition. , 2019, , .		5
45	Framework of maximum power point tracking for solar PV panel using WSPS technique. IET Renewable Power Generation, 2020, 14, 1668-1676.	1.7	5
46	Current Controlled Charging Scheme for off Board Electric vehicle Batteries from Solar PV Array. , 2020, , .		5
47	Solar PV Array Powered ON Board Electric Vehicle Charging with Charging Current Protection Scheme. , 2020, , .		5
48	Unit commitment problem by using JayaDE optimization algorithm. , 2016, , .		4
49	Quick and oscillation free peak power estimation using SEHC algorithm for singleâ€sensorâ€based PVâ€fed battery charging. IET Renewable Power Generation, 2018, 12, 207-218.	1.7	4
50	Takagi-Sugeno-Kang fuzzy model-based self-adaptive maximum power harvesting technique for PV array: Tested on European standard EN50530. , 2017, , .		3
51	Integration of Solar PV Generation with Distribution Grid: Using Novel Adaptive Filter Based Control Technique. , 2018, , .		3
52	Centroid Analogy-Based MPPT Technique for Uniformly Shaded Solar Photovoltaic Array. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2019, 43, 929-939.	1.5	3
53	A solution of short term generation scheduling problem by using WODE algorithm. , 2016, , .		1
54	PI Controlled Synchronization Converter using SHO in Grid-Interactive Three-Phase Solar PV System. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
55	Fuzzy based load frequency control of power system incorporating nonlinearity. , 2022, , .		1