## Nishant Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

		279701	395590
55	1,868	23	33
papers	citations	h-index	g-index
EE	55	<b>E E</b>	1022
55	55	55	1033
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	MPPT in Dynamic Condition of Partially Shaded PV System by Using WODE Technique. IEEE Transactions on Sustainable Energy, 2017, 8, 1204-1214.	5.9	131
2	Single Sensor-Based MPPT of Partially Shaded PV System for Battery Charging by Using Cauchy and Gaussian Sine Cosine Optimization. IEEE Transactions on Energy Conversion, 2017, 32, 983-992.	3.7	126
3	Rapid MPPT for Uniformly and Partial Shaded PV System by Using JayaDE Algorithm in Highly Fluctuating Atmospheric Conditions. IEEE Transactions on Industrial Informatics, 2017, 13, 2406-2416.	7.2	126
4	Self-Adaptive Incremental Conductance Algorithm for Swift and Ripple-Free Maximum Power Harvesting From PV Array. IEEE Transactions on Industrial Informatics, 2018, 14, 2031-2041.	7.2	102
5	Framework of Maximum Power Extraction From Solar PV Panel Using Self Predictive Perturb and Observe Algorithm. IEEE Transactions on Sustainable Energy, 2018, 9, 895-903.	5.9	99
6	Cascade† <i> <sup>λ</sup> </i> D <i> <sup>μ</sup> </i> N controller design for AGC of thermal and hydro†thermal power systems integrated with renewable energy sources. IET Renewable Power Generation, 2021, 15, 504-520.	1.7	93
7	Leaky-Least-Logarithmic-Absolute-Difference-Based Control Algorithm and Learning-Based InC MPPT Technique for Grid-Integrated PV System. IEEE Transactions on Industrial Electronics, 2019, 66, 9003-9012.	5.2	77
8	PNKLMF-Based Neural Network Control and Learning-Based HC MPPT Technique for Multiobjective Grid Integrated Solar PV Based Distributed Generating System. IEEE Transactions on Industrial Informatics, 2019, 15, 3732-3742.	7.2	74
9	Implementation of Multilayer Fifth-Order Generalized Integrator-Based Adaptive Control for Grid-Tied Solar PV Energy Conversion System. IEEE Transactions on Industrial Informatics, 2018, 14, 2857-2868.	7.2	70
10	Integration of Solar PV With Low-Voltage Weak Grid System: Using Maximize-M Kalman Filter and Self-Tuned P&O Algorithm. IEEE Transactions on Industrial Electronics, 2019, 66, 9013-9022.	5.2	67
11	LLMLF-Based Control Approach and LPO MPPT Technique for Improving Performance of a Multifunctional Three-Phase Two-Stage Grid Integrated PV System. IEEE Transactions on Sustainable Energy, 2020, 11, 371-380.	5.9	64
12	Maximum Power Peak Detection of Partially Shaded PV Panel by Using Intelligent Monkey King Evolution Algorithm. IEEE Transactions on Industry Applications, 2017, 53, 5734-5743.	3.3	59
13	Normal Harmonic Search Algorithm-Based MPPT for Solar PV System and Integrated With Grid Using Reduced Sensor Approach and PNKLMS Algorithm. IEEE Transactions on Industry Applications, 2018, 54, 6343-6352.	3.3	59
14	Integration of Solar PV With Low-Voltage Weak Grid System: Using Normalized Laplacian Kernel Adaptive Kalman Filter and Learning Based InC Algorithm. IEEE Transactions on Power Electronics, 2019, 34, 10746-10758.	5.4	57
15	Single sensor based MPPT for partially shaded solar photovoltaic by using human psychology optimisation algorithm. IET Generation, Transmission and Distribution, 2017, 11, 2562-2574.	1.4	49
16	Framework of Gradient Descent Least Squares Regression-Based NN Structure for Power Quality Improvement in PV-Integrated Low-Voltage Weak Grid System. IEEE Transactions on Industrial Electronics, 2019, 66, 9724-9733.	5.2	45
17	Enhanced SOGI Controller for Weak Grid Integrated Solar PV System. IEEE Transactions on Energy Conversion, 2020, 35, 1208-1217.	3.7	45
18	A Voltage Support Control Strategy for Grid Integrated Solar PV System During Abnormal Grid Conditions Utilizing Interweaved Gl. IEEE Transactions on Industrial Electronics, 2021, 68, 8149-8157.	5.2	39

#	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 PVâ€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 PVâ€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

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#	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. , $2016, \ldots$		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