

Nirav Patel

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

110
citations

1478280

6
h-index

1588896

8
g-index

19
all docs

19
docs citations

19
times ranked

78
citing authors

#	ARTICLE	IF	CITATIONS
1	Photovoltaic system operation as DSTATCOM for power quality improvement employing active current control. IET Generation, Transmission and Distribution, 2020, 14, 3518-3529.	1.4	28
2	Design, development, and implementation of grid-connected solar photovoltaic power conversion system. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 2915-2934.	1.2	22
3	Optimised PI&VPI current controller for three-phase grid-integrated photovoltaic inverter under grid voltage distortions. IET Renewable Power Generation, 2020, 14, 779-792.	1.7	20
4	A novel autoscaling variable perturbation size maximum power point tracker applied to photovoltaic (PV) system. International Transactions on Electrical Energy Systems, 2020, 30, e12198.	1.2	9
5	Combined active power sharing and grid current distortion enhancement-based approach for grid-connected multifunctional photovoltaic inverter. International Transactions on Electrical Energy Systems, 2020, 30, e12236.	1.2	8
6	Design, analysis and implementation of electronically interfaced photovoltaic system using ARM Cortex-M4 microcontroller. Computers and Electrical Engineering, 2022, 98, 107701.	3.0	8
7	Three-Phase Single-Stage VSC Controlled Solar Photovoltaic System with Harmonic Filtering Capability Applied to DG. , 2019, , .		4
8	Pseudo affine projection assisted multitasking approach for power quality improvement in grid-interactive photovoltaic (PV) system. IET Power Electronics, 2020, 13, 2905-2916.	1.5	3
9	Improved robust-mixed-norm-based controller for grid-tied PV systems under voltage disturbances. IET Generation, Transmission and Distribution, 2020, 14, 2610-2619.	1.4	2
10	Experimental investigations on voltage sourced inverter interfaced photovoltaic based distributed generation system. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-23.	1.2	2
11	Multifunctional VSC Controlled Solar Photovoltaic System with Active Power Sharing and Power Quality (PQ) Improvement Features. , 2019, , .		1
12	Electronically coupled photovoltaic system with grey wolf optimizer enabled $\langle \text{DC} \rangle$ link voltage control loop. International Transactions on Electrical Energy Systems, 2020, 30, e12648.	1.2	1
13	A novel active current co-efficient extraction-based control for grid-tied solar photovoltaic system. IET Power Electronics, 2021, 14, 2099-2114.	1.5	1
14	Real-time Harmonic Filtering in Grid Interfaced Photovoltaic System Based on Adaptive NLMLS. , 2020, , .		1
15	Regularized NLMS Control for Power Quality Improvement in Grid-connected PV Systems. , 2020, , .		0
16	Present status, energy policies and future perspective of solar photovoltaic in India. International Journal of Energy Technology and Policy, 2020, 16, 449.	0.1	0
17	Performance enhancement of photovoltaic system under grid voltage distortion utilising total least-square control scheme. IET Power Electronics, 2020, 13, 3044-3055.	1.5	0
18	Design and Implementation of Modified MERS Based PFC Approach Applied to Multi-Port SMPS. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Weak Grid Interconnection of Solar Photovoltaic Unit with Power Quality Conditioner Functionality. , 2022, , .		0