

# Ajay Kumar

## List of Publications by Year in descending order

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20  
papers

111  
citations

1683354

5  
h-index

1588620

8  
g-index

20  
all docs

20  
docs citations

20  
times ranked

108  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comprehensive Review on Grid-Tied Solar Photovoltaic System. Journal of Green Engineering (discontinued), 2017, 7, 213-254.	0.7	34
2	A Novel Orthogonal Current Decomposition Control for Grid-Connected Voltage Source Converter. IEEE Transactions on Industry Applications, 2019, 55, 7628-7641.	3.3	21
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	Experimental prototype of a novel feed forward compensation for DC-link voltage stabilization in grid-tied PV system. International Transactions on Electrical Energy Systems, 2020, 30, e12172.	1.2	9
5	Design, analysis and implementation of electronically interfaced photovoltaic system using ARM Cortex-M4 microcontroller. Computers and Electrical Engineering, 2022, 98, 107701.	3.0	8
6	Three-Phase Single-Stage VSC Controlled Solar Photovoltaic System with Harmonic Filtering Capability Applied to DG. , 2019, , .		4
7	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
8	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
9	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
10	L2 Norm based Adaptive LMS Control for Grid Connected Converters. , 2020, , .		2
11	A synchronization of PV source by using bacterial foraging optimization based PI controller to reduce day-time grid dependency. , 2017, , .		1
12	Active Power Coefficient based Control for Grid-connected PV Systems. , 2019, , .		1
13	Electronically coupled photovoltaic system with grey wolf optimizer enabled <math>\langle \text{DC} \rangle</math> link voltage control loop. International Transactions on Electrical Energy Systems, 2020, 30, e12648.	1.2	1
14	Active power coefficient control for grid-tied photovoltaic system under voltage distortions. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-24.	1.2	1
15	A novel active current coefficient extraction based control for grid-tied solar photovoltaic system. IET Power Electronics, 2021, 14, 2099-2114.	1.5	1
16	Dynamic Performance Improvement of Grid Interfaced Solar Photovoltaic System using Feed-forward Compensation. Recent Advances in Electrical and Electronic Engineering, 2020, 13, 52-63.	0.2	1
17	Indirect Current Control of Single-stage Grid-tied Photovoltaic using PSO Assisted PI Controller. , 2018, , .		0
18	Regularized NLMS Control for Power Quality Improvement in Grid-connected PV Systems. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Performance enhancement of photovoltaic system under grid voltage distortion utilising total leastâ€square control scheme. IET Power Electronics, 2020, 13, 3044-3055.	1.5	0
20	Comparative Analysis of PI and PR Controller for Grid-tied Solar Photovoltaic System. , 2022, , .		0