

# Madhav D Manjrekar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5320095/publications.pdf>

Version: 2024-02-01

27  
papers

294  
citations

1307594

7  
h-index

1199594

12  
g-index

27  
all docs

27  
docs citations

27  
times ranked

365  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Surgeless Diode-Clamped Multilevel Solid-State Circuit Breaker for Medium-Voltage DC Distribution Systems. IEEE Transactions on Industrial Electronics, 2022, 69, 7329-7339.	7.9	3
2	A proposed wide-area stabilization system through a large-scale fleet of electric vehicles for grid. International Journal of Electrical Power and Energy Systems, 2022, 141, 108164.	5.5	3
3	Multi-Source Distributed Energy Resources Management System Based on Pattern Search Optimal Solution Using Nonlinearized Power Flow Constraints. IEEE Access, 2021, 9, 30374-30385.	4.2	7
4	A Multi-Site Networked Hardware-in-the-Loop Platform for Evaluation of Interoperability and Distributed Intelligence at Grid-Edge. IEEE Open Access Journal of Power and Energy, 2021, 8, 460-471.	3.4	5
5	Comparison of Power Control Methods for Renewable Energy Resources Operating in a Weak Grid. , 2021, , .		0
6	Modified Voltage Controlled-Virtual Synchronous Machine Controller in the application of Parallel Connected Grid-Forming Inverters. , 2021, , .		2
7	Technical feasibility of Japan-Taiwan-Philippines HVdc interconnector to the Asia Pacific Super Grid. Renewable and Sustainable Energy Reviews, 2020, 133, 110161.	16.4	16
8	Diode Clamped Solid-State Circuit Breaker: A Novel Solid-State Circuit Breaker without Dynamic Voltage Unbalancing Issues. , 2020, , .		3
9	A Ground Clamped Solid-State Circuit Breaker for DC Distribution Systems. , 2020, , .		4
10	Economic Analysis of High-Longevity Battery Capacity Fades for Electric Vehicles Supercharger Buffering Application. IEEE Transactions on Transportation Electrification, 2020, 6, 995-1002.	7.8	4
11	Controller Design and Implementation of Solar Panel Companion Inverters. IEEE Transactions on Industry Applications, 2020, 56, 2001-2011.	4.9	20
12	Modified Voltage and Frequency Control of Parallel-Connected Grid-Forming Inverters by Virtual Synchronous Machine Controller. , 2020, , .		0
13	Implementation of a Grid-Tied Secure Reconfigurable Power Converter. , 2020, , .		1
14	A Distributed Power System Control Architecture for Improved Distribution System Resiliency. IEEE Access, 2019, 7, 9957-9970.	4.2	52
15	A comprehensive review and proposed architecture for offshore power system. International Journal of Electrical Power and Energy Systems, 2019, 111, 79-92.	5.5	36
16	Coordinated Power and Energy Management Using Cluster of Microgrids to Improve Grid Availability and Resiliency. , 2019, , .		4
17	A Control Scheme for Panel Level Maximum Power Extraction of Solar Panel Companion Inverters. , 2018, , .		0
18	Interfacing Offshore Wind Farms with Onshore Utility Power Grids using MT-HVDC Link. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
19	A Critique of Little Box Challenge Inverter Designs: Breaking from Traditional Design Tradeoffs. IEEE Power Electronics Magazine, 2018, 5, 52-60.	0.7	12
20	Hardware Assisted Security Architecture for Smart Grid. , 2018, , .		6
21	HVDC transmission for access to offshore renewable energy: a review of technology and fault detection techniques. IET Renewable Power Generation, 2018, 12, 1563-1571.	3.1	46
22	Maximum power point tracking for solar panel companion inverters. , 2017, , .		1
23	An overview of advances in high reliability gate driving mechanisms for SiC MOSFETs. , 2017, , .		7
24	Fault analysis and hybrid protection scheme for multi-terminal HVDC using Wavelet transform. , 2016, , .		5
25	Model to quantify digital risks for power grids integrating electrical system and cyber data models. , 2015, , .		0
26	Dynamic analysis of an ePFC (enhanced Power Flow Controller) with conduction angle control. , 2014, , .		0
27	A Reconfigurable Uninterruptible Power Supply System for Multiple Power Quality Applications. IEEE Transactions on Power Electronics, 2007, 22, 1361-1372.	7.9	54