

Kuntal Satpathi

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

662
citations

759233

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38
all docs

38
docs citations

38
times ranked

519
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-Time Fourier Transform Based Transient Analysis of VSC Interfaced Point-to-Point DC System. IEEE Transactions on Industrial Electronics, 2018, 65, 4080-4091.	7.9	140
2	Short-Circuit Fault Management in DC Electric Ship Propulsion System: Protection Requirements, Review of Existing Technologies and Future Research Trends. IEEE Transactions on Transportation Electrification, 2018, 4, 272-291.	7.8	97
3	Time- and Frequency-Domain Fault Detection in a VSC-Interfaced Experimental DC Test System. IEEE Transactions on Industrial Informatics, 2018, 14, 4353-4364.	11.3	75
4	Modeling and Real-Time Scheduling of DC Platform Supply Vessel for Fuel Efficient Operation. IEEE Transactions on Transportation Electrification, 2017, 3, 762-778.	7.8	35
5	DC Marine Power System: Transient Behavior and Fault Management Aspects. IEEE Transactions on Industrial Informatics, 2019, 15, 1911-1925.	11.3	34
6	Improved S Transform-Based Fault Detection Method in Voltage Source Converter Interfaced DC System. IEEE Transactions on Industrial Electronics, 2021, 68, 5024-5035.	7.9	31
7	Cyber-Resilient Cooperative Control of Bidirectional Interlinking Converters in Networked AC/DC Microgrids. IEEE Transactions on Industrial Electronics, 2021, 68, 9707-9718.	7.9	31
8	A New High-Gain DC-DC Converter with Continuous Input Current for DC Microgrid Applications. Energies, 2021, 14, 2629.	3.1	28
9	Protection strategies for LVDC distribution system. , 2015, , .		19
10	Hilbert-Huang Transform Based Transient Analysis in Voltage Source Converter Interfaced Direct Current System. IEEE Transactions on Industrial Electronics, 2021, 68, 11014-11025.	7.9	19
11	Directional protection scheme for MVDC shipboard power system. , 2016, , .		17
12	Asymmetric Multilevel Inverter Topology and Its Fault Management Strategy for High-Reliability Applications. Energies, 2021, 14, 4302.	3.1	16
13	Design, Analysis, and Comparison of Automatic Flux Regulator With Automatic Voltage Regulator-Based Generation System for DC Marine Vessels. IEEE Transactions on Transportation Electrification, 2018, 4, 694-706.	7.8	14
14	Multiagent Distributed Power Management of DC Shipboard Power Systems for Optimal Fuel Efficiency. IEEE Transactions on Transportation Electrification, 2021, 7, 3050-3061.	7.8	14
15	Hybrid Modulation Strategy for the Vienna Rectifier. IEEE Transactions on Power Electronics, 2021, , 1-1.	7.9	11
16	Fault Analysis and Protection System Design for DC Grids. Power Systems, 2020, , .	0.5	10
17	Modelling of DC shipboard power system. , 2016, , .		9
18	Flux estimation based dc bus voltage control in marine dc power system. , 2016, , .		9

#	ARTICLE	IF	CITATIONS
19	SCR-Based Bidirectional Circuit Breaker for DC System Protection With Soft Reclosing Capability. IEEE Transactions on Industrial Electronics, 2023, 70, 4739-4750.	7.9	7
20	Power systems frequency estimation using amplitude tracking square wave for low-end protective relays. Measurement: Journal of the International Measurement Confederation, 2019, 141, 70-84.	5.0	6
21	Protection of MVDC shipboard power system using Rogowski coil. , 2016, , .		5
22	Suitability of Rogowski coil for DC shipboard protection. , 2016, , .		5
23	Fault identification in AC and DC systems using stft analysis of high frequency components. , 2017, , .		5
24	An isolated bipolar DC-DC converter for energy storage integration in marine vessels. , 2017, , .		5
25	Comparative Analysis of Si, SiC and GaN Field-Effect Transistors for DC Solid-State Power Controllers in More Electric Aircraft. , 2021, , .		5
26	Comparison of Current-Only Directional Protection in AC and DC Power Systems. , 2018, , .		4
27	Analysis of Brushless Wound Rotor Synchronous Generator with Unity Power Factor Rectifier for Series Offshore DC Wind Power Collection. , 2018, , .		3
28	Frequency-Domain Based Fault Detection: Application of Short-Time Fourier Transform. Power Systems, 2020, , 195-221.	0.5	3
29	Genetic Algorithm Based PI Control with 12-Band Hysteresis Current Control of an Asymmetrical 13-Level Inverter. Energies, 2021, 14, 6663.	3.1	2
30	Coupled-Inductor-Based Bidirectional Z-Source Breaker for DC System Protection. , 2020, , .		2
31	Design of Experiment and Fault Studies. Power Systems, 2020, , 325-354.	0.5	1
32	Non-unit Protection Strategies for DC Power Systems. Power Systems, 2020, , 243-270.	0.5	0
33	Modeling and Control of Generation System for DC Grid Applications. Power Systems, 2020, , 83-122.	0.5	0
34	Introduction to DC Grid. Power Systems, 2020, , 1-37.	0.5	0
35	Components and Architectures of DC Grid for Various Applications. Power Systems, 2020, , 39-81.	0.5	0
36	Introduction to Directional Protection and Communication Assisted Protection Systems. Power Systems, 2020, , 271-302.	0.5	0

#	ARTICLE	IF	CITATIONS
37	Fault Isolation in DC Grids. Power Systems, 2020, , 303-324.	0.5	0