

Satish Naik Banavath

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

213
citations

1307594

7
h-index

1372567

10
g-index

20
all docs

20
docs citations

20
times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	Modified Z-Source DC Circuit Breaker With Enhanced Performance During Commissioning and Reclosing. IEEE Transactions on Power Electronics, 2022, 37, 910-919.	7.9	22
2	A Modular Bidirectional Solid-State DC Circuit Breaker for LV and MVDC Grid Applications. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 7760-7771.	5.4	5
3	Modular Bidirectional Solid-State DC Circuit Breaker for Next-Generation Electric Aircrafts. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 5486-5497.	5.4	14
4	A Zero Current Switching Hybrid Circuit Breaker for DC Grid Applications. , 2022, , .		1
5	A Modified Hybrid DC Circuit Breaker With Reduced Arc for Low Voltage DC Grids. IEEE Access, 2021, 9, 132267-132277.	4.2	13
6	Modified Z-Source DC Circuit Breaker with Zero Negative Current in the Load. , 2021, , .		1
7	Enhancement of DC MCB Performance using Power Semiconductor Devices. , 2021, , .		1
8	Coupled Inductor-Based Zero Current Switching Hybrid DC Circuit Breaker Topologies. IEEE Transactions on Industry Applications, 2019, 55, 5360-5370.	4.9	53
9	Bidirectional Coupled Inductor Based Hybrid Circuit Breaker Topologies for DC System Protection. , 2019, , .		6
10	A Novel Wide Duty Cycle Range Wide Band High Frequency Isolated Gate Driver for Power Converters. IEEE Transactions on Industry Applications, 2018, 54, 437-446.	4.9	6
11	A Two-Phase Five-Level Converter With Least Number of Power Switches Requiring Only a Single DC Source. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1942-1952.	5.4	18
12	A New Two-Phase Five-Level Converter for Three-Phase Isolated Grid-Tied Systems With Inherent Capacitor Balancing and Reduced Component Count. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1325-1335.	5.4	15
13	Coupled Inductor Based Hybrid DC Circuit Breaker Topologies for DC Grid Application. , 2018, , .		4
14	A Novel Least Component Count Single DC-link Fed Generalized Multilevel Inverter Configuration for Three-phase High Power Isolated Grid Connected Systems. , 2018, , .		1
15	A Coupled Inductor Based Hybrid Circuit Breaker Topology for Subsea HVDC Transmission Systems. , 2018, , .		7
16	Electrification of Subsea Systems Requirements and Challenges in Power Distribution and Conversion. CPSS Transactions on Power Electronics and Applications, 2017, 2, 259-266.	4.4	29
17	A novel non-isolated bidirectional DC-DC converter for high voltage gain applications. , 2017, , .		7
18	A wide duty cycle range wide band high frequency isolated gate driver for power converters. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Performance Analysis of 1200kV Ceramic Disc Insulator String under Normal and Faulted Conditions. Energy Procedia, 2015, 75, 1114-1119.	1.8	3
20	Potential and electric field distribution in a ceramic disc insulator string with faulty insulators. , 2012, , .		6