

Xin Zan

List of Publications by Year in descending order

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16
papers

151
citations

1684188
5
h-index

1588992
8
g-index

16
all docs

16
docs citations

16
times ranked

56
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 100 MHz Symmetric Current-Mode Class D Wireless Power Transfer. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 4508-4525. | 5.4 | 4 |
| 2 | Medium Voltage Pulse Power Generator for Accurate Current Interruption. IEEE Transactions on Industrial Electronics, 2023, 70, 3604-3615. | 7.9 | 4 |
| 3 | A 4 kV/120 A SiC Solid-State DC Circuit Breaker Powered By a Load-Independent IPT System. IEEE Transactions on Industry Applications, 2022, 58, 1115-1125. | 4.9 | 17 |
| 4 | Transfer-Power Measurement Using a Non-Contact Method for Fair and Accurate Metering of Wireless Power Transfer in Electric Vehicles. IEEE Transactions on Power Electronics, 2022, 37, 1244-1271. | 7.9 | 24 |
| 5 | Electromagnetic Model-Based Foreign Object Detection for Wireless Power Transfer. IEEE Transactions on Power Electronics, 2022, 37, 100-113. | 7.9 | 21 |
| 6 | Capacitive Couple-Based Transient Current Commutation in Solid-State Circuit Breakers. IEEE Transactions on Power Electronics, 2022, 37, 4973-4978. | 7.9 | 10 |
| 7 | High-Frequency High Step-Up Inductive Power Transfer-Based Capacitor Charger in Active Injection DC Circuit Breakers. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2022, 3, 572-582. | 3.9 | 4 |
| 8 | A 4kV/100A DC Solid-State Circuit Breaker with Soft Turn-off Operation. , 2022, , . | | 2 |
| 9 | High Power, High Efficiency Wireless Power Transfer at 27.12 MHz Using CMCD Converters. , 2021, , . | | 1 |
| 10 | 100 MHz Wireless Power Transfer for Lightweight UAVs and Agile Robots. , 2020, , . | | 5 |
| 11 | Isolated Ultrafast Gate Driver with Variable Duty Cycle for Pulse and VHF Power Electronics. IEEE Transactions on Power Electronics, 2020, 35, 12678-12685. | 7.9 | 7 |
| 12 | Active Segmentation at 100 MHz for 12 W VHF Wireless Power Transfer. , 2019, , . | | 5 |
| 13 | Inductive Wireless Power Transfer at 100MHz with Wide Load Range and Constant Output Current. , 2019, , . | | 2 |
| 14 | Performance Comparisons of Synchronous and Uncontrolled Rectifiers for 27.12 MHz Wireless Power Transfer Using CMCD Converters. , 2018, , . | | 12 |
| 15 | 27.12 MHz Bi-Directional Wireless Power Transfer Using Current-Mode Class D Converters with Phase-Shift Power Modulation. , 2018, , . | | 15 |
| 16 | Wireless power transfer for implantable medical devices using piecewise resonance to achieve high peak-to-average power ratio. , 2017, , . | | 18 |