

# Xin Zan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8041846/publications.pdf>

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16  
papers

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citations

1684188

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56  
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#	ARTICLE	IF	CITATIONS
1	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
2	Electromagnetic Model-Based Foreign Object Detection for Wireless Power Transfer. IEEE Transactions on Power Electronics, 2022, 37, 100-113.	7.9	21
3	Wireless power transfer for implantable medical devices using piecewise resonance to achieve high peak-to-average power ratio. , 2017, , .		18
4	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
5	27.12 MHz Bi-Directional Wireless Power Transfer Using Current-Mode Class D Converters with Phase-Shift Power Modulation. , 2018, , .		15
6	Performance Comparisons of Synchronous and Uncontrolled Rectifiers for 27.12 MHz Wireless Power Transfer Using CMCD Converters. , 2018, , .		12
7	Capacitive Couple-Based Transient Current Commutation in Solid-State Circuit Breakers. IEEE Transactions on Power Electronics, 2022, 37, 4973-4978.	7.9	10
8	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
9	Active Segmentation at 100 MHz for 12 W VHF Wireless Power Transfer. , 2019, , .		5
10	100 MHz Wireless Power Transfer for Lightweight UAVs and Agile Robots. , 2020, , .		5
11	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
12	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
13	Medium Voltage Pulse Power Generator for Accurate Current Interruption. IEEE Transactions on Industrial Electronics, 2023, 70, 3604-3615.	7.9	4
14	Inductive Wireless Power Transfer at 100MHz with Wide Load Range and Constant Output Current. , 2019, , .		2
15	A 4kV/100A DC Solid-State Circuit Breaker with Soft Turn-off Operation. , 2022, , .		2
16	High Power, High Efficiency Wireless Power Transfer at 27.12 MHz Using CMCD Converters. , 2021, , .		1