Sheng Liu

List of Publications by Year
in descending order

10 papers	177 citations	1478505 6 h-index	1372567 10 g-index
10 all docs	10 docs citations	10 times ranked	162 citing authors

#	Article	IF	Citations
1	Analysis and Design of an LCCC/S-Compensated WPT System With Constant Output Characteristics for Battery Charging Applications. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1169-1180.	5.4	48
2	A Novel Long-Distance Wireless Power Transfer System With Constant Current Output Based on Domino-Resonator. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2343-2355.	5.4	35
3	Analysis and Design of Three-Coil Structure WPT System With Constant Output Current and Voltage for Battery Charging Applications. IEEE Access, 2019, 7, 87334-87344.	4.2	34
4	Threeâ€coil structureâ€based WPT system design for electric bike CC and CV charging without communication. IET Electric Power Applications, 2019, 13, 1318-1327.	1.8	21
5	A Novel All-Direction Antimisalignment Wireless Power Transfer System Designed by Truncated Region Eigenfunction Expansion Method. IEEE Transactions on Power Electronics, 2021, 36, 12456-12467.	7.9	16
6	Analysis and design of a S/PS compensated IPT system with constant current output. IET Electric Power Applications, 2020, 14, 2739-2749.	1.8	6
7	Analysis and design of a highâ€efficiency threeâ€coil WPT system with constant current output. IET Electric Power Applications, 2020, 14, 1933-1943.	1.8	5
8	A communication-free WPT system based on transmitter-side hybrid topology switching for battery charging applications. AIP Advances, 2020, 10, .	1.3	5
9	Metal Object and Vehicle Position Detections Integrated With Near-Field Communication for Wireless EV Charging. IEEE Transactions on Vehicular Technology, 2022, 71, 7134-7146.	6.3	5
10	Contactless Measurement of Current and Mutual Inductance in Wireless Power Transfer System Based on Sandwich Structure. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 6345-6357.	5.4	2