Dong-Hee Kim

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6651389/publications.pdf

Version: 2024-02-01

26	465	1163117 8	888059 17
papers	citations	h-index	g-index

26	26	26	342
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design and Control of Inductive Power Transfer System for Electric Vehicles Considering Wide Variation of Output Voltage and Coupling Coefficient. IEEE Transactions on Power Electronics, 2019, 34, 1197-1208.	7.9	128
2	A Switching Hybrid LCC-S Compensation Topology for Constant Current/Voltage EV Wireless Charging. IEEE Access, 2019, 7, 133924-133935.	4.2	78
3	An Efficiency Optimization-Based Asymmetric Tuning Method of Double-Sided LCC Compensated WPT System for Electric Vehicles. IEEE Transactions on Power Electronics, 2020, 35, 11475-11487.	7.9	56
4	DC-Link and Switched Capacitor Control for Varying Coupling Conditions in Inductive Power Transfer System for Unmanned Aerial Vehicles. IEEE Transactions on Power Electronics, 2021, 36, 5108-5120.	7.9	37
5	Analysis of Impedance Tuning Control and Synchronous Switching Technique for a Semibridgeless Active Rectifier in Inductive Power Transfer Systems for Electric Vehicles. IEEE Transactions on Power Electronics, 2021, 36, 8786-8798.	7.9	35
6	A Comparative Study of S-S and LCC-S Compensation Topology of Inductive Power Transfer Systems for EV Chargers. , 2019, , .		20
7	A Comparative Study of S-S and LCCL-S Compensation Topologies in Inductive Power Transfer Systems for Electric Vehicles. Energies, 2019, 12, 1913.	3.1	17
8	A Hybrid Compensation Topology With Single Switch for Battery Charging of Inductive Power Transfer Systems. IEEE Access, 2019, 7, 171095-171104.	4.2	12
9	Design and control of inductive power transfer system for electric vehicles considering wide variation of output voltage and coupling coefficient. , 2017, , .		11
10	Reconfigurable Hybrid Resonant Topology for Constant Current/Voltage Wireless Power Transfer of Electric Vehicles. Electronics (Switzerland), 2020, 9, 1323.	3.1	10
11	Analysis and Design of Flexible-Surface Induction-Heating Cooktop With GaN-HEMT-Based Multiple Inverter System. IEEE Transactions on Power Electronics, 2022, 37, 12865-12876.	7.9	9
12	A Wireless Power Transfer Charger with Hybrid Compensation Topology for Constant Current/Voltage Onboard Charging. Applied Sciences (Switzerland), 2021, 11, 7569.	2.5	8
13	Integrated Control Strategy for Inductive Power Transfer Systems with Primary-Side LCC Network for Load-Average Efficiency Improvement. Energies, 2019, 12, 312.	3.1	7
14	A Unipolar-Duty-Cycle Hybrid Control Strategy of Seriesâ€“Series Compensated IPT System for Constant-Current Output and Efficiency Optimization. IEEE Transactions on Power Electronics, 2022, 37, 13884-13901.	7.9	6
15	Adaptive loss reduction charging strategy considering variation of internal impedance of lithium-ion polymer batteries in electric vehicle charging systems. , 2016, , .		5
16	Investigation of Vibration and Acoustic Noise Emission of Powder Core Inductors. IEEE Transactions on Power Electronics, 2019, 34, 3633-3645.	7.9	5
17	Transformerless Bidirectional DC-DC Converter for Battery Storage System with High Voltage Gain. , 2019, , .		5
18	Performance Analysis of Magnetic Power Pads for Inductive Power Transfer Systems with Ferrite Structure Variation. Journal of Electrical Engineering and Technology, 2017, 12, 1211-1218.	2.0	4

#	Article	IF	Citations
19	Design of optimum self-inductances of magnetic pads in inductive power transfer system for electric vehicles. , 2016, , .		3
20	Impedance Tuning Control and Synchronization Technique for Semi-Bridgeless Active Rectifier of IPT System in EV Applications. , 2020, , .		3
21	Novel Compensation Parameter Design Methodology and Maximum Efficiency Tracking Control Strategy for Inductive Power Transfer System. IEEE Access, 2022, 10, 56133-56144.	4.2	3
22	Optimal Design Methodology on Compensation Parameters of Inductive Power Transfer Converter for Electric Vehicles. Energies, 2021, 14, 8269.	3.1	2
23	Study on the Capacity of an Active Phase Controller for Autonomous Grid Connection. Electronics (Switzerland), 2020, 9, 1252.	3.1	1
24	Formulation, measurement and analysis for the thrust force of HB-type Linear Pulse Motor. , 2007, , .		0
25	Manufacture and estimation of two phase driver for hybrid type linear pulse motor. , 2008, , .		0
26	Three Phase PWM Converter Operation Strategy to Improve Performance for Considering Magnetic Power Supply Characteristics. , 2019, , .		0