

Sunkyu Kong

List of Publications by Year in descending order

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666
citing authors

#	ARTICLE	IF	CITATIONS
1	Thin Hybrid Metamaterial Slab With Negative and Zero Permeability for High Efficiency and Low Electromagnetic Field in Wireless Power Transfer Systems. IEEE Transactions on Electromagnetic Compatibility, 2018, 60, 1001-1009.	2.2	87
2	Low EMI high-k tightly-coupled resonant magnetic field (TCR-HMF) charger with impedance design for a 3-wheeler vehicle. , 2017, , .		0
3	Hybrid metamaterial with zero and negative permeability to enhance efficiency in wireless power transfer system. , 2016, , .		12
4	Low EMF three phase resonant magnetic field charger for drone with high Q reactive loop shielding. , 2016, , .		6
5	Leakage magnetic field reduction method using high Q multiple resonant reactive loop shielding in three-phase resonant WPT charger for drone. , 2016, , .		2
6	Low EMF and EMI Design of a Tightly Coupled Handheld Resonant Magnetic Field (HH-RMF) Charger for Automotive Battery Charging. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 1194-1206.	2.2	30
7	Thin PCB-Type Metamaterials for Improved Efficiency and Reduced EMF Leakage in Wireless Power Transfer Systems. IEEE Transactions on Microwave Theory and Techniques, 2016, , 1-12.	4.6	54
8	An Investigation of Electromagnetic Radiated Emission and Interference From Multi-Coil Wireless Power Transfer Systems Using Resonant Magnetic Field Coupling. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 833-846.	4.6	49
9	Noise Coupling Effects on CMOS Analog-to-Digital Converter in Magnetic Field Wireless Power Transfer System Using Chip-PCB Comodeling and Simulation. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 329-338.	2.2	12
10	Three-phase magnetic field design for low EMI and EMF automated resonant wireless power transfer charger for UAV. , 2015, , .		19
11	Chip-Level Simultaneous Switching Current Measurement in Power Distribution Network Using Magnetically Coupled Embedded Current Probing Structure. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2014, 4, 1963-1972.	2.5	7
12	Structure of handheld resonant magnetic coupling charger (HH-RMCC) for electric vehicle considering electromagnetic field. , 2013, , .		8
13	Coil Design and Shielding Methods for a Magnetic Resonant Wireless Power Transfer System. Proceedings of the IEEE, 2013, 101, 1332-1342.	21.3	362
14	Magnetic field coupling on analog-to-digital converter from wireless power transfer system in automotive environment. , 2013, , .		1
15	Embedded toroidal magnetic coupling probe in multi-layer PCBs for current measurement. , 2012, , .		1
16	Resonance and EMI in vertical multi-coupled coils for wireless power transfer (WPT) system. , 2012, , .		3