

Conghui Lu

List of Publications by Year in descending order

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papers

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31
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299
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Optimization of the Low-Frequency Metasurface Shield for Wireless Power Transfer System. IEEE Transactions on Transportation Electrification, 2022, 8, 723-733.	7.8	5
2	Misalignment Insensitive Wireless Power Transfer System Using a Hybrid Transmitter for Autonomous Underwater Vehicles. IEEE Transactions on Industry Applications, 2022, 58, 1298-1306.	4.9	27
3	High-Efficiency Orientation Insensitive WPT Systems Using Magnetic Dipole Coil for Low-Power Devices. IEEE Transactions on Power Electronics, 2022, 37, 4985-4990.	7.9	13
4	Multi-DoF wireless power transfer systems based on magnetic dipole coils with multiple receivers. Journal of Power Electronics, 2022, 22, 534-546.	1.5	2
5	A Dual-Band Negative Permeability and Near-Zero Permeability Metamaterials for Wireless Power Transfer System. IEEE Transactions on Industrial Electronics, 2021, 68, 7072-7082.	7.9	29
6	Omnidirectional Free-Degree Wireless Power Transfer System Based on Magnetic Dipole Coils for Multiple Receivers. IEEE Access, 2021, 9, 81588-81600.	4.2	19
7	Analysis and Design of Asymmetric Mid-Range Wireless Power Transfer System with Metamaterials. Energies, 2021, 14, 1348.	3.1	8
8	Investigation of wireless power transfer with non-perfect planar metamaterial. AEU - International Journal of Electronics and Communications, 2021, 132, 153606.	2.9	5
9	A critical review of metamaterial in wireless power transfer system. IET Power Electronics, 2021, 14, 1541-1559.	2.1	20
10	Design and Analysis of an Omnidirectional Dual-Band Wireless Power Transfer System. IEEE Transactions on Antennas and Propagation, 2021, 69, 3493-3502.	5.1	18
11	Development and prospects of metamaterial in wireless power transfer. IET Power Electronics, 2021, 14, 2423-2440.	2.1	7
12	Optimization Design of Wireless Charging System with Uniform Magnetic Field for Multi-Drone. , 2021, , .		0
13	Design and Analysis of Segmented Dipole Coil for Scalable Wireless Power Transfer to Multiple Devices. , 2021, , .		0
14	Comprehensive Analysis of Side-Placed Metamaterials in Wireless Power Transfer System. IEEE Access, 2020, 8, 152900-152908.	4.2	12
15	Enhancing the Stability of Medium Range and Misalignment Wireless Power Transfer System by Negative Magnetic Metamaterials. Materials, 2020, 13, 5695.	2.9	8
16	Calculation and analysis of near-field magnetic spiral metamaterials for MCR-WPT application. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	7
17	Equivalent circuit method for μ -Negative Magnetic and μ -Near-Zero metamaterials in wireless power transfer system. IET Power Electronics, 2020, 13, 3056-3064.	2.1	8
18	Magnetic Shielding of Wireless Power Transfer Using Zero Permeability Metamaterial Slab. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Effective Permeability Retrieval of Near-field Metamaterial based on Equivalent-Circuit Model. , 2019, , .		3
20	Analysis and Optimized Design of Metamaterials for Mid-Range Wireless Power Transfer Using a Class-E RF Power Amplifier. Applied Sciences (Switzerland), 2019, 9, 26.	2.5	14
21	A Novel Approach to Reach Impedance Matching in Wireless Power Transfer Systems. Applied Sciences (Switzerland), 2019, 9, 976.	2.5	3
22	Analysis of wireless power transfer based on metamaterial using equivalent circuit. Journal of Engineering, 2019, 2019, 2032-2035.	1.1	7
23	Shielding the magnetic field of wireless power transfer system using zero- ϵ permeability metamaterial. Journal of Engineering, 2019, 2019, 1812-1815.	1.1	17
24	Investigation of Magnetically Near-Field Metamaterials in Wireless Power Transfer System. , 2019, , .		3
25	Investigation of Magnetic Field Shielding by Mesh Aluminum Sheet in Wireless Power Transfer System. , 2019, , .		4
26	Water-based Metamaterial Absorber Applied to Ships. , 2019, , .		2
27	Investigation of Negative and Near-Zero Permeability Metamaterials for Increased Efficiency and Reduced Electromagnetic Field Leakage in a Wireless Power Transfer System. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 1438-1446.	2.2	50
28	Planar Multiple-Antiparallel Square Transmitter for Position-Insensitive Wireless Power Transfer. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 188-192.	4.0	51
29	Multiband Ultrathin Polarization-Insensitive Terahertz Perfect Absorbers With Complementary Metamaterial and Resonator Based on High-Order Electric and Magnetic Resonances. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	20
30	All-Dielectric Wet Sandy Soil Broadband Tunable Absorber Based on Interference Theory. Journal of Electronic Materials, 2018, 47, 5572-5581.	2.2	3
31	Optimisation analysis of coil configuration and circuit model for asymmetric wireless power transfer system. IET Microwaves, Antennas and Propagation, 2018, 12, 1132-1139.	1.4	9