# Conghui Lu

List of Publications by Year
in descending order

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Version: 2024-02-01

| 31 | 374 | 840776 11 | 794594 19 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 31 | 31 | 31 | 299 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Planar Multiple-Antiparallel Square Transmitter for Position-Insensitive Wireless Power Transfer. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 188-192. | 4.0 | 51 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | A critical review of metamaterial in wireless power transfer system. IET Power Electronics, 2021, 14, 1541-1559. | 2.1 | 20 |
| 7 | Omnidirectional Free-Degree Wireless Power Transfer System Based on Magnetic Dipole Coils for Multiple Receivers. IEEE Access, 2021, 9, 81588-81600. | 4.2 | 19 |
| 8 | 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 |
| 9 | Shielding the magnetic field of wireless power transfer system using zeroâ€permeability metamaterial. Journal of Engineering, 2019, 2019, 1812-1815. | 1.1 | 17 |
| 10 | 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 |
| 11 | 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 |
| 12 | Comprehensive Analysis of Side-Placed Metamaterials in Wireless Power Transfer System. IEEE Access, 2020, 8, 152900-152908. | 4.2 | 12 |
| 13 | 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 |
| 14 | Enhancing the Stability of Medium Range and Misalignment Wireless Power Transfer System by Negative Magnetic Metamaterials. Materials, 2020, 13, 5695. | 2.9 | 8 |
| 15 | Analysis and Design of Asymmetric Mid-Range Wireless Power Transfer System with Metamaterials. Energies, 2021, 14, 1348. | 3.1 | 8 |
| 16 | Equivalent circuit method for Muâ€Negativeâ€Magnetic and Muâ€Nearâ€Zero metamaterials in wireless power transfer system. IET Power Electronics, 2020, 13, 3056-3064. | 2.1 | 8 |
| 17 | Analysis of wireless power transfer based on metamaterial using equivalent circuit. Journal of Engineering, 2019, 2019, 2032-2035. | 1.1 | 7 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Development and prospects of metamaterial in wireless power transfer. IET Power Electronics, 2021, 14, 2423-2440. | 2.1 | 7 |
| 20 | 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 |
| 21 | Investigation of wireless power transfer with non-perfect planar metamaterial. AEU - International Journal of Electronics and Communications, 2021, 132, 153606. | 2.9 | 5 |
| 22 | Investigation of Magnetic Field Shielding by Mesh Aluminum Sheet in Wireless Power Transfer System. , 2019, , . | | 4 |
| 23 | All-Dielectric Wet Sandy Soil Broadband Tunable Absorber Based on Interference Theory. Journal of Electronic Materials, 2018, 47, 5572-5581. | 2.2 | 3 |
| 24 | Effective Permeability Retrieval of Near-field Metamaterial based on Equivalent-Circuit Model. , 2019, , . | | 3 |
| 25 | A Novel Approach to Reach Impedance Matching in Wireless Power Transfer Systems. Applied Sciences (Switzerland), 2019, 9, 976. | 2.5 | 3 |
| 26 | Investigation of Magnetically Near-Field Metamaterials in Wireless Power Transfer System. , 2019, , . | | 3 |
| 27 | Water-based Metamaterial Absorber Applied to Ships. , 2019, , . | | 2 |
| 28 | 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 |
| 29 | Magnetic Shielding of Wireless Power Transfer Using Zero Permeability Metamaterial Slab. , 2020, , . | | 0 |
| 30 | Optimization Design of Wireless Charging System with Uniform Magnetic Field for Multi-Drone. , 2021, , . | | 0 |
| 31 | Design and Analysis of Segmented Dipole Coil for Scalable Wireless Power Transfer to Multiple Devices. , 2021, , . | | 0 |