

ashwani sharma

List of Publications by Year in descending order

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29
papers

197
citations

1307594

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h-index

1125743

13
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all docs

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docs citations

29
times ranked

180
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Non-Uniformly Distributed-Turns Coil Antenna for Enhanced H-Field in HF-RFID. IEEE Transactions on Antennas and Propagation, 2013, 61, 4900-4907. | 5.1 | 31 |
| 2 | Magnetic field forming Using Planar Multicoil Antenna to Generate Orthogonal H-Field Components. IEEE Transactions on Antennas and Propagation, 2017, 65, 2906-2915. | 5.1 | 19 |
| 3 | Interference aware power controlled forwarding for lifetime maximisation of wireless ad hoc networks. IET Wireless Sensor Systems, 2012, 2, 22. | 1.7 | 17 |
| 4 | A Novel Cluster-Based Energy Efficient Routing in Wireless Sensor Networks. , 2013, , . | | 16 |
| 5 | Enhanced H-field in HF RFID systems by optimizing the loop spacing of antenna coils. Microwave and Optical Technology Letters, 2013, 55, 944-948. | 1.4 | 15 |
| 6 | Dual-Purpose Planar Radial-Array of Rectenna Sensors for Orientation Estimation and RF-Energy Harvesting at IoT Nodes. IEEE Microwave and Wireless Components Letters, 2022, 32, 245-248. | 3.2 | 13 |
| 7 | Dual Purpose Near- and Far-Field UHF RFID Coil Antenna With Non-Uniformly Distributed-Turns. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1342-1345. | 4.0 | 12 |
| 8 | Bandpass filter-like antenna validation in an ultra-wideband in-car wireless channel. IET Communications, 2015, 9, 532-540. | 2.2 | 8 |
| 9 | Multipurpose Near- and Far-Field Switched Multiband Coil Antenna for 915-MHz/2.45/5.8-GHz RFIDs. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2562-2565. | 4.0 | 8 |
| 10 | Drone Assisted Network Coded Cooperation With Energy Harvesting: Strengthening the Lifespan of the Wireless Networks. IEEE Access, 2022, 10, 43055-43070. | 4.2 | 7 |
| 11 | Multiple description transform coded transmission over OFDM broadcast channels. Physical Communication, 2014, 12, 79-92. | 2.1 | 6 |
| 12 | A Switchable Multicoil Antenna With Booster Coil to Improve Coverage in WPT Systems. IEEE Transactions on Antennas and Propagation, 2022, 70, 2490-2498. | 5.1 | 6 |
| 13 | A Planar Distributed Multicoil Antenna to Generate 3-D Ellipsoidally Polarized H-Field for Angular Misalignment Tolerant WPT System. IEEE Transactions on Antennas and Propagation, 2022, 70, 2969-2978. | 5.1 | 6 |
| 14 | Optimal E-Field Vector Combination for a Highly Focused Antenna-Array. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 392-395. | 4.0 | 5 |
| 15 | Exploiting Fading Dynamics along with AMC for Energy-Efficient Transmission over Fading Channels. IEEE Communications Letters, 2011, 15, 1218-1220. | 4.1 | 4 |
| 16 | Channel adaptive stop-and-wait automatic repeat request protocols for short-range wireless links. IET Communications, 2012, 6, 2128. | 2.2 | 4 |
| 17 | Fabricated Non-uniformly Distributed-Turns Coil. , 2014, , . | | 4 |
| 18 | Energy-efficient transmission of DWT image over OFDM fading channel. , 2011, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Radio frequency Identification miniature interrogator antenna sprayed over an in-vehicle chassis. IET Microwaves, Antennas and Propagation, 2012, 6, 1674-1680. | 1.4 | 3 |
| 20 | A Novel Computationally Efficient Motion Compensation Method Based on Pixel by Pixel Prediction. , 2011, , . | | 2 |
| 21 | Impact of interference on nodal communication range in wireless ad hoc networks. , 2011, , . | | 2 |
| 22 | Sprayed antenna on cans for WLANâ€RFID tags. Microwave and Optical Technology Letters, 2013, 55, 773-775. | 1.4 | 2 |
| 23 | Source-Aware Adaptive Power Allocation in OFDM Systems for Rate Constrained Applications. IEEE Communications Letters, 2014, 18, 1855-1858. | 4.1 | 2 |
| 24 | Bendable ultraâ€high frequency radioâ€frequency identification tag antenna for retail garments using nonuniform meandered lines. Engineering Reports, 2021, 3, e12420. | 1.7 | 2 |
| 25 | A Novel Prediction Model for Lossless Video Compression. , 2011, , . | | 0 |
| 26 | Influence of substrate types and reflector proximities over a NDTC antenna. , 2014, , . | | 0 |
| 27 | Widespread near-field with robust H-field using NDTC antennas in multipurpose applications. , 2015, , . | | 0 |
| 28 | Optimizing MDTC over Feedback-less OFDM Channels. , 2011, , . | | 0 |
| 29 | A compact SWB MIMO antenna with 45Â° clock-wise square patch inclusions for polarization diversity applications. International Journal of Microwave and Wireless Technologies, 0, , 1-13. | 1.9 | 0 |