

Rong Zhang

List of Publications by Year in descending order

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47
papers

1,566
citations

279487

23
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301761

39
g-index

47
all docs

47
docs citations

47
times ranked

1645
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative Load Balancing in Hybrid Visible Light Communications and WiFi. IEEE Transactions on Communications, 2015, 63, 1319-1329.	4.9	200
2	Visible light communications in heterogeneous networks: Paving the way for user-centric design. IEEE Wireless Communications, 2015, 22, 8-16.	6.6	123
3	Multiuser MISO Transceiver Design for Indoor Downlink Visible Light Communication Under Per-LED Optical Power Constraints. IEEE Photonics Journal, 2015, 7, 1-15.	1.0	96
4	Error Probability and Capacity Analysis of Generalised Pre-Coding Aided Spatial Modulation. IEEE Transactions on Wireless Communications, 2015, 14, 364-375.	6.1	89
5	Transmitter Precoding-Aided Spatial Modulation for Secrecy Communications. IEEE Transactions on Vehicular Technology, 2016, 65, 467-471.	3.9	72
6	Energy Harvesting Aided Device-to-Device Communication Underlying the Cellular Downlink. IEEE Access, 2017, 5, 7405-7413.	2.6	63
7	Graph-Based Joint User-Centric Overlapped Clustering and Resource Allocation in Ultradense Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4440-4453.	3.9	53
8	Energy Efficient Visible Light Communications Relying on Amorphous Cells. IEEE Journal on Selected Areas in Communications, 2016, 34, 894-906.	9.7	52
9	Performance Analysis of Layered ACO-OFDM. IEEE Access, 2017, 5, 18366-18381.	2.6	48
10	Adaptive Coding and Modulation for Large-Scale Antenna Array-Based Aeronautical Communications in the Presence of Co-Channel Interference. IEEE Transactions on Wireless Communications, 2018, 17, 1343-1357.	6.1	48
11	Optimization of Visible-Light Optical Wireless Systems: Network-Centric Versus User-Centric Designs. IEEE Communications Surveys and Tutorials, 2018, 20, 1878-1904.	24.8	44
12	Optical Jamming Enhances the Secrecy Performance of the Generalized Space-Shift-Keying-Aided Visible-Light Downlink. IEEE Transactions on Communications, 2018, 66, 4087-4102.	4.9	38
13	Multiple Access Design for Ultra-Dense VLC Networks: Orthogonal vs Non-Orthogonal. IEEE Transactions on Communications, 2019, 67, 2218-2232.	4.9	38
14	Anticipatory Association for Indoor Visible Light Communications: Light, Follow Me!. IEEE Transactions on Wireless Communications, 2018, 17, 2499-2510.	6.1	36
15	Resource Allocation Under Delay-Guarantee Constraints for Visible-Light Communication. IEEE Access, 2016, 4, 7301-7312.	2.6	35
16	Iterative Multiuser Detection and Channel Decoding for DS-CDMA Using Harmony Search. IEEE Signal Processing Letters, 2009, 16, 917-920.	2.1	34
17	Secure User-Centric Clustering for Energy Efficient Ultra-Dense Networks: Design and Optimization. IEEE Journal on Selected Areas in Communications, 2018, 36, 1609-1621.	9.7	28
18	Hybrid Positioning Aided Amorphous-Cell Assisted User-Centric Visible Light Downlink Techniques. IEEE Access, 2016, 4, 2705-2713.	2.6	26

#	ARTICLE	IF	CITATIONS
19	Throughput Maximization for a Buffer-Aided Successive Relaying Network Employing Energy Harvesting. IEEE Transactions on Vehicular Technology, 2016, 65, 6758-6765.	3.9	26
20	Quantum-Assisted Indoor Localization for Uplink mm-Wave and Downlink Visible Light Communication Systems. IEEE Access, 2017, 5, 23327-23351.	2.6	25
21	Adaptive Coherent/Non-Coherent Single/Multiple-Antenna Aided Channel Coded Ground-to-Air Aeronautical Communication. IEEE Transactions on Communications, 2019, 67, 1099-1116.	4.9	25
22	Secrecy Analysis of Generalized Space-Shift Keying Aided Visible Light Communication. IEEE Access, 2018, 6, 18310-18324.	2.6	24
23	Wireless Cellular Networks. IEEE Vehicular Technology Magazine, 2010, 5, 31-39.	2.8	23
24	Regularized Zero-Forcing Precoding-Aided Adaptive Coding and Modulation for Large-Scale Antenna Array-Based Air-to-Air Communications. IEEE Journal on Selected Areas in Communications, 2018, 36, 2087-2103.	9.7	23
25	Superposition-Coding-Aided Multiplexed Hybrid ARQ Scheme for Improved End-to-End Transmission Efficiency. IEEE Transactions on Vehicular Technology, 2009, 58, 4681-4686.	3.9	22
26	Intrusion Detection Based on $\frac{1}{\sqrt{2}}$ Coverage in Mobile Sensor Networks With Empowered Intruders. IEEE Transactions on Vehicular Technology, 2018, 67, 12109-12123.	3.9	22
27	User-Centric Visible Light Communications for Energy-Efficient Scalable Video Streaming. IEEE Transactions on Green Communications and Networking, 2017, 1, 59-73.	3.5	21
28	Multi-Class Coded Layered Asymmetrically Clipped Optical OFDM. IEEE Transactions on Communications, 2019, 67, 578-589.	4.9	21
29	Modularity-Based User-Centric Clustering and Resource Allocation for Ultra Dense Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 12457-12461.	3.9	20
30	Performance Analysis of Non-Linear Generalized Pre-Coding Aided Spatial Modulation. IEEE Transactions on Wireless Communications, 2016, 15, 6731-6741.	6.1	18
31	Discrete Multi-Tone Digital Subscriber Loop Performance in the Face of Impulsive Noise. IEEE Access, 2017, 5, 10478-10495.	2.6	18
32	Resource Allocation for D2D Links in the FFR and SFR Aided Cellular Downlink. IEEE Transactions on Communications, 2016, , 1-1.	4.9	17
33	EXIT-Chart-Aided Hybrid Multiuser Detector for Multicarrier Interleave-Division Multiple Access. IEEE Transactions on Vehicular Technology, 2010, 59, 1563-1567.	3.9	14
34	Modularity-Based Dynamic Clustering for Energy Efficient UAVs-Aided Communications. IEEE Wireless Communications Letters, 2018, 7, 728-731.	3.2	14
35	User-Centric Clustering for Designing Ultradense Networks: Architecture, Objective Functions, and Design Guidelines. IEEE Vehicular Technology Magazine, 2019, 14, 107-114.	2.8	14
36	Guest Editorial Localisation, Communication and Networking With VLC. IEEE Journal on Selected Areas in Communications, 2018, 36, 1-7.	9.7	13

#	ARTICLE	IF	CITATIONS
37	Imperfect Digital-Fiber-Optic-Link-Based Cooperative Distributed Antennas With Fractional Frequency Reuse in Multicell Multiuser Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 4439-4449.	3.9	12
38	Hierarchical Colour-Shift-Keying Aided Layered Video Streaming for the Visible Light Downlink. IEEE Access, 2016, 4, 3127-3152.	2.6	12
39	Dynamic Throughput Maximization for the User-Centric Visible Light Downlink in the Face of Practical Considerations. IEEE Transactions on Wireless Communications, 2018, 17, 5001-5015.	6.1	11
40	Interleaved Random Space-Time Coding for Multisource Cooperation. IEEE Transactions on Vehicular Technology, 2009, 58, 2120-2125.	3.9	9
41	Superposition-Aided Delay-Constrained Hybrid Automatic Repeat ReQuest. IEEE Transactions on Vehicular Technology, 2010, 59, 2109-2115.	3.9	7
42	Differential Evolution Algorithm Aided Turbo Channel Estimation and Multi-User Detection for G.Fast Systems in the Presence of FEXT. IEEE Access, 2018, 6, 33111-33128.	2.6	7
43	Performance of HARQ-Assisted OFDM Systems Contaminated by Impulsive Noise: Finite-Length LDPC Code Analysis. IEEE Access, 2019, 7, 14112-14123.	2.6	7
44	Channel Code-Division Multiple Access and Its Multilevel-Structured LDPC-Based Instantiation. IEEE Transactions on Vehicular Technology, 2009, 58, 2549-2553.	3.9	5
45	Approximate Perturbation Aided Lattice Encoding (APPLE) for G.fast and Beyond. IEEE Access, 2018, 6, 53438-53451.	2.6	5
46	Joint Impulsive Noise Estimation and Data Detection Conceived for LDPC-Coded DMT-Based DSL Systems. IEEE Access, 2017, 5, 23133-23145.	2.6	5
47	Performance Analysis of Device-to-Device Communication Underlying Dense Networks (DenseNets). IEEE Transactions on Vehicular Technology, 2019, 68, 9257-9266.	3.9	3