

Wence Zhang

List of Publications by Year in descending order

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papers

570
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759055

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all docs

56
docs citations

56
times ranked

602
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-Scale Antenna Systems With UL/DL Hardware Mismatch: Achievable Rates Analysis and Calibration. IEEE Transactions on Communications, 2015, 63, 1216-1229.	4.9	96
2	Distributed Energy-Efficient Power Optimization for CoMP Systems With Max-Min Fairness. IEEE Communications Letters, 2014, 18, 999-1002.	2.5	49
3	Widely Linear Precoding for Large-Scale MIMO with IQI: Algorithms and Performance Analysis. IEEE Transactions on Wireless Communications, 2017, 16, 3298-3312.	6.1	42
4	Pricing-Based Distributed Energy-Efficient Beamforming for MISO Interference Channels. IEEE Journal on Selected Areas in Communications, 2016, 34, 710-722.	9.7	40
5	Weighted Sum Energy Efficiency Maximization in Ad Hoc Networks. IEEE Wireless Communications Letters, 2015, 4, 233-236.	3.2	31
6	Outage Analysis for Intelligent Reflecting Surface Assisted Vehicular Communication Networks. , 2020, , .		28
7	Totally Distributed Energy-Efficient Transmission in MIMO Interference Channels. IEEE Transactions on Wireless Communications, 2015, 14, 6325-6338.	6.1	27
8	Power Minimization in Multi-Band Multi-Antenna Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2014, 13, 5056-5069.	6.1	22
9	Symbol error rate analysis for colour-shift keying modulation in visible light communication system with RGB light-emitting diodes. IET Optoelectronics, 2015, 9, 199-206.	1.8	20
10	Performance Analysis for User-Centric Dense Networks With mmWave. IEEE Access, 2019, 7, 14537-14548.	2.6	17
11	A QoE-maximization-based vertical handover scheme for VLC heterogeneous networks. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	1.5	16
12	Joint TX/RX IQ imbalance parameter estimation using a generalized system model. , 2015, , .		14
13	Channel Modeling of Molecular Communication via Diffusion With Multiple Absorbing Receivers. IEEE Wireless Communications Letters, 2019, 8, 809-812.	3.2	14
14	Channel Characteristics for Molecular Communication via Diffusion With a Spherical Boundary. IEEE Wireless Communications Letters, 2019, 8, 957-960.	3.2	12
15	Channel adaptive dwell timing for handover decision in VLC-WiFi heterogeneous networks. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	1.5	11
16	Dynamic AP Clustering and Precoding for User-Centric Virtual Cell Networks. IEEE Transactions on Communications, 2019, 67, 2504-2516.	4.9	11
17	Bandwidth Extension of Three-Way Doherty Power Amplifier With Reactance Compensation Using Parallel Peaking Amplifiers. IEEE Access, 2021, 9, 91661-91669.	2.6	10
18	User-Centric Quality-of-Experience Optimization and Scheduling of Multicolor LEDs in VLC Systems. IEEE Systems Journal, 2019, 13, 2275-2284.	2.9	9

#	ARTICLE	IF	CITATIONS
19	LED adaptive deployment optimization in indoor VLC networks. China Communications, 2021, 18, 201-213.	2.0	9
20	Vertical Handover Scheme for Enhancing the QoE in VLC Heterogeneous Networks. , 2018, , .		8
21	Antenna subset selection in MU large-scale MIMO systems. , 2013, , .		6
22	Widely linear block-diagonalization type precoding in massive mimo systems with IQ imbalance. , 2015, , .		6
23	Relative Localization for Silent Absorbing Target in Diffusive Molecular Communication System. IEEE Internet of Things Journal, 2022, 9, 5009-5018.	5.5	6
24	Optimal beamforming for single group multicast systems based on weighted sum rate. , 2013, , .		5
25	Simplified matrix polynomial-aided block diagonalization precoding for massive MIMO systems. , 2016, , .		5
26	Inference in Turbulent Molecular Information Channels Using Support Vector Machine. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2020, 6, 25-35.	1.4	5
27	Optimization design of fragment-type filtering matching network for continuous inverse class-F power amplifier. IEICE Electronics Express, 2022, 19, 20220043-20220043.	0.3	5
28	Impact of Path Loss Exponents on Antenna Location Design for GDAS. , 2012, , .		3
29	Cell sites planning with minimized power consumption under cell load balancing constraint in LTE networks. , 2013, , .		3
30	Downlink SINR distribution in multiuser large scale antenna systems with conjugate beamforming. , 2013, , .		3
31	Uplink Performance Analysis of Mixed-ADC Massive MIMO Systems with MMSE Receivers. , 2018, , .		3
32	Cooperative Source Positioning for SIMO Molecular Communication via Diffusion. , 2019, , .		3
33	User-centric quality of experience optimized resource allocation algorithm in VLC network with multi-color LED. Optics Express, 2018, 26, 27826.	1.7	3
34	Levenbergâ€“Marquardt Method-Based Cooperative Source Localization in SIMO Molecular Communication via Diffusion Systems. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2022, 8, 229-238.	1.4	3
35	Energy-efficient joint beamforming and antenna selection for multicast systems. , 2013, , .		2
36	Downlink SINR Study in Multiuser Large Scale Antenna Systems. Wireless Personal Communications, 2014, 79, 1539-1556.	1.8	2

#	ARTICLE	IF	CITATIONS
37	Totally distributed energy-efficient transmission design in MIMO interference channels. , 2014, , .		2
38	Achievable rate analysis of large scale antenna systems with hardware mismatch in UL/DL. , 2014, , .		2
39	Correlation-driven optimized Taylor expansion precoding for massive MIMO systems with correlated channels. , 2017, , .		2
40	Precoder design in user-centric virtual cell networks. , 2017, , .		2
41	Low Complexity Angular-Domain Detection for the Uplink of Multi-User mmWave Massive MIMO Systems. Electronics (Switzerland), 2020, 9, 795.	1.8	2
42	Target Recognition in Turbulent Diffusion Channels. IEEE Communications Letters, 2021, 25, 3694-3698.	2.5	2
43	Low-Complexity Detection Based on Landweber Method in the Uplink of Massive MIMO Systems. IEICE Transactions on Communications, 2018, E101.B, 2340-2347.	0.4	2
44	A Hybrid Application-Aware VHO Scheme for Coexisting VLC and WLAN Indoor Networks. Journal of Network and Systems Management, 2022, 30, .	3.3	2
45	Low-complexity detection based on landweber method in the uplink of Massive MIMO systems. , 2017, , .		1
46	Optimal Design of Subconnected Hybrid Structure for mmWave Massive MIMO Systems. , 2019, , .		1
47	Achievable Rate Analysis on the Uplink of Massive MIMO with Superimposed Pilots and Arbitrary-Bit ADCs. , 2019, , .		1
48	Performance Analysis in the High SNR Region for MF in the Downlink of Massive MIMO Systems. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 1865-1870.	0.2	1
49	Performance Analysis on the Uplink of Massive MIMO Systems with Superimposed Pilots and Arbitrary-Bit ADCs. IEICE Transactions on Communications, 2022, E105.B, 629-637.	0.4	1
50	Chernoff upper bound of PEP for distributed space-time coding relay systems in Nakagami-m fading channels. , 2011, , .		0
51	Downlink interference mitigation for OFDMA femtocell networks. , 2013, , .		0
52	Beamforming for single group multicast systems to maximize the access rate. , 2013, , .		0
53	Energy efficient and interference management with MISO beamforming in femtocells. , 2013, , .		0
54	Energy-Efficient Cooperative Transmission in Heterogeneous Wireless Networks with QoS Constraint. Wireless Personal Communications, 2014, 76, 77-98.	1.8	0

#	ARTICLE	IF	CITATIONS
55	Pricing-based distributed beamforming for weighted sum energy-efficiency in MISO ad hoc networks. , 2015, , .		0
56	Efficient Compressed Landweber Detector for Massive MIMO. , 2018, , .		0