

Zhaocheng Wang

List of Publications by Year in descending order

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270
papers

13,091
citations

31976

53
h-index

25787

108
g-index

275
all docs

275
docs citations

275
times ranked

8072
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary Game Based Strategy Selection for Hybrid V2V Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 2128-2133.	6.3	8
2	Deep Learning-Assisted Demodulation for TeraHertz Communications Under Hybrid Distortions. IEEE Communications Letters, 2022, 26, 325-329.	4.1	3
3	Improving Deep Learning-Based Cloud Detection for Satellite Images With Attention Mechanism. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
4	Secure Routing in Multihop Ad-Hoc Networks With SRR-Based Reinforcement Learning. IEEE Wireless Communications Letters, 2022, 11, 362-366.	5.0	3
5	Reconfigurable Intelligent Surface Deployment for Blind Zone Improvement in mmWave Wireless Networks. IEEE Communications Letters, 2022, 26, 1423-1427.	4.1	7
6	Low-Complexity Hybrid Precoding Based on PAST for Millimeter Wave Massive MIMO System. IEICE Transactions on Communications, 2022, E105.B, 1192-1201.	0.7	1
7	DeepAntijam: Stackelberg Game-Oriented Secure Transmission via Deep Reinforcement Learning. IEEE Communications Letters, 2022, 26, 1984-1988.	4.1	1
8	Simultaneous Multi-Beam Training for Millimeter-Wave Communication System. IEEE Transactions on Vehicular Technology, 2022, 71, 10631-10645.	6.3	0
9	Joint Transmit Precoding and Reconfigurable Intelligent Surface Phase Adjustment: A Decomposition-Aided Channel Estimation Approach. IEEE Transactions on Communications, 2021, 69, 1228-1243.	7.8	76
10	Deep Learning Assisted Calibrated Beam Training for Millimeter-Wave Communication Systems. IEEE Transactions on Communications, 2021, 69, 6706-6721.	7.8	34
11	SVM-based online learning for interference-aware multi-cell mmWave vehicular communications. IET Communications, 2021, 15, 1015-1027.	2.2	2
12	Fairness-aware power allocation in downlink MIMO-NOMA systems. IET Communications, 2021, 15, 1143-1157.	2.2	0
13	Joint User-Subcarrier Pairing and Power Allocation for Uplink ACO-OFDM-NOMA Underwater Visible Light Communication Systems. Journal of Lightwave Technology, 2021, 39, 1997-2007.	4.6	20
14	Learning-Assisted Secure Relay Selection with Outdated CSI for Finite-State Markov Channel. , 2021, , .		2
15	Improved Beam Training with Finite Slots in Millimeter Wave Wireless Communications. , 2021, , .		0
16	Channel Estimation and Equalization for Terahertz Receiver With RF Impairments. IEEE Journal on Selected Areas in Communications, 2021, 39, 1621-1635.	14.0	18
17	Terahertz Wireless Communications With Flexible Index Modulation Aided Pilot Design. IEEE Journal on Selected Areas in Communications, 2021, 39, 1651-1662.	14.0	16
18	Space-, Time- and Frequency-Domain Index Modulation for Next-Generation Wireless: A Unified Single-/Multi-Carrier and Single-/Multi-RF MIMO Framework. IEEE Transactions on Wireless Communications, 2021, 20, 3847-3864.	9.2	7

#	ARTICLE	IF	CITATIONS
19	Deep Learning Assisted mmWave Beam Prediction with Prior Low-frequency Information. , 2021, , .		8
20	Coordination Game Theory-Based Adaptive Topology Control for Hybrid VLC/RF VANET. IEEE Transactions on Communications, 2021, 69, 5312-5324.	7.8	5
21	Petahertz communication: Harmonizing optical spectra for wireless communications. Digital Communications and Networks, 2021, 7, 605-614.	5.0	13
22	Two-Timescale Beam Selection and Power Allocation for Maritime Offshore Communications. IEEE Communications Letters, 2021, 25, 3060-3064.	4.1	2
23	Joint User Association and Passive Beamforming in Heterogeneous Networks With Reconfigurable Intelligent Surfaces. IEEE Communications Letters, 2021, 25, 3041-3045.	4.1	9
24	Deep Learning-Assisted TeraHertz QPSK Detection Relying on Single-Bit Quantization. IEEE Transactions on Communications, 2021, 69, 8175-8187.	7.8	10
25	Feedback Interval Optimization for MISO LiFi Systems. IEEE Access, 2021, 9, 136811-136818.	4.2	5
26	Pricing for Using Operator Platforms with Sharing Edge Services. , 2021, , .		0
27	Algebraic Construction of Optimal Frequency Hopping Patterns Based on Welch Costas Arrays. IEEE Transactions on Vehicular Technology, 2020, 69, 1841-1854.	6.3	3
28	Topology Control in Hybrid VLC/RF Vehicular Ad-Hoc Network. IEEE Transactions on Wireless Communications, 2020, 19, 1965-1976.	9.2	35
29	Receiver Design for the Low-Cost TeraHertz Communication System with Hardware Impairment. , 2020, , .		4
30	Machine Learning Predicts Lymph Node Metastasis in Early-Stage Oral Tongue Squamous Cell Carcinoma. Journal of Oral and Maxillofacial Surgery, 2020, 78, 2208-2218.	1.2	30
31	RIS-Aided Offshore Communications with Adaptive Beamforming and Service Time Allocation. , 2020, , .		5
32	The Movement-Rotation (MR) Correlation Function and Coherence Distance of VLC Channels. Journal of Lightwave Technology, 2020, 38, 6759-6770.	4.6	7
33	Resource Management for Hybrid RF/VLC V2I Wireless Communication System. IEEE Communications Letters, 2020, 24, 868-871.	4.1	8
34	Networked multiple-input-multiple-output for optical wireless communication systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190189.	3.4	3
35	User Association for Load Balance in Heterogeneous Networks With Limited CSI Feedback. IEEE Communications Letters, 2020, 24, 1095-1099.	4.1	10
36	Reordering ART-based detector and Geo-PAM constellation design for SPAD VLC systems under nonlinear distortions. Optics Communications, 2020, 474, 126180.	2.1	0

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37	Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. IEEE Transactions on Vehicular Technology, 2020, 69, 4553-4557.	6.3	21
38	Secure Single-Input-Multiple-Output Media-Based Modulation. IEEE Transactions on Vehicular Technology, 2020, 69, 4105-4117.	6.3	11
39	Graph Theory Based Beam Scheduling for Inter-Cell Interference Avoidance in MmWave Cellular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 3929-3942.	6.3	25
40	Low-Complexity Beam Selection Scheme for High Speed Railway Communications. IEEE Access, 2020, 8, 16022-16032.	4.2	4
41	Virtual Angular-Domain Channel Estimation for FDD Based Massive MIMO Systems with Partial Orthogonal Pilot Design. IEEE Transactions on Vehicular Technology, 2020, , 1-1.	6.3	15
42	Chromaticity-domain index modulation for visible light communication. , 2020, , .		0
43	Adaptive SVM-based Beam Allocation for MmWave Small Cell Networks. , 2020, , .		2
44	Multi-dimensional Data-driven Mobile Edge Caching with Dynamic User Preference. , 2020, , .		2
45	Novel Index Modulation Techniques: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 315-348.	39.4	229
46	Least Pair-Wise Collision Beam Schedule for mmWave Inter-Cell Interference Suppression. IEEE Transactions on Wireless Communications, 2019, 18, 4436-4449.	9.2	9
47	Adaptive Coherent/Non-Coherent Spatial Modulation Aided Unmanned Aircraft Systems. IEEE Wireless Communications, 2019, 26, 170-177.	9.0	34
48	“Near-Perfect” Finite-Cardinality Generalized Space-Time Shift Keying. IEEE Journal on Selected Areas in Communications, 2019, 37, 2146-2164.	14.0	14
49	Statistics-Assisted Beam Training for MmWave Massive MIMO Systems. IEEE Communications Letters, 2019, 23, 1401-1404.	4.1	5
50	Constant-Envelope Space-Time Shift Keying. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1387-1402.	10.8	11
51	Non-Uniform Beam Design for Multi-User mmWave Systems. , 2019, , .		0
52	Efficient Channel Estimation for mmWave MIMO With Transceiver Hardware Impairments. IEEE Transactions on Vehicular Technology, 2019, 68, 9883-9895.	6.3	25
53	Downlink Interference Management in Cell-Free VLC Network. IEEE Transactions on Vehicular Technology, 2019, 68, 9007-9017.	6.3	13
54	EKF-Based Beam Tracking for mmWave MIMO Systems. IEEE Communications Letters, 2019, 23, 2390-2393.	4.1	27

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55	Harmonic Retrieval Based Baseband Channel Estimation for Millimeter Wave OFDM Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 2668-2681.	6.3	3
56	Non-Uniform Full-Dimension MIMO: New Topologies and Opportunities. IEEE Wireless Communications, 2019, 26, 124-132.	9.0	13
57	SVM-Based Network Access Type Decision in Hybrid LiFi and WiFi Networks. , 2019, , .		4
58	Hierarchical Sparse Reconstruction Based Multi-feature Saliency for Target Detection in SAR Images. , 2019, , .		0
59	Joint Design of User Scheduling and Precoding for Interference Management in Cell-Free VLC Network. , 2019, , .		3
60	Sixty Years of Coherent Versus Non-Coherent Tradeoffs and the Road From 5G to Wireless Futures. IEEE Access, 2019, 7, 178246-178299.	4.2	49
61	Calibrated Beam Training for Millimeter-Wave Massive MIMO Systems. , 2019, , .		7
62	SAR Target Detection Based on SSD With Data Augmentation and Transfer Learning. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 150-154.	3.1	112
63	Visual Attention-Based Target Detection and Discrimination for High-Resolution SAR Images in Complex Scenes. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1855-1872.	6.3	41
64	Interference-Free LED Allocation for Visible Light Communications With Fisheye Lens. Journal of Lightwave Technology, 2018, 36, 626-636.	4.6	6
65	Compressive Sensing Techniques for Next-Generation Wireless Communications. IEEE Wireless Communications, 2018, 25, 144-153.	9.0	190
66	Joint User Association and Power Allocation for Cell-Free Visible Light Communication Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 136-148.	14.0	61
67	Hardware-Efficient Hybrid Precoding for Millimeter Wave Systems With Multi-Feed Reflectarrays. IEEE Access, 2018, 6, 6795-6806.	4.2	27
68	Channel Feedback Codebook Design for Millimeter-Wave Massive MIMO Systems Relying on Lens Antenna Array. IEEE Wireless Communications Letters, 2018, 7, 736-739.	5.0	14
69	Channel Estimation for mmWave MIMO With Transmitter Hardware Impairments. IEEE Communications Letters, 2018, 22, 320-323.	4.1	35
70	Joint User Scheduling and Hybrid Precoding for Multi-User mmWave Systems with Two-Layer PS Network. , 2018, , .		5
71	Partially-Activated Conjugate Beamforming for LoS Massive MIMO Communications. IEEE Access, 2018, 6, 56504-56513.	4.2	3
72	Target Detection Based on Dual-Domain Sparse Reconstruction Saliency in SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4230-4243.	4.9	19

#	ARTICLE	IF	CITATIONS
73	Localization Algorithm Based on Iterative Centroid Estimation for Wireless Sensor Networks. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-11.	1.1	7
74	Channel Feedback Based on AoD-Adaptive Subspace Codebook in FDD Massive MIMO Systems. <i>IEEE Transactions on Communications</i> , 2018, 66, 5235-5248.	7.8	77
75	Hybrid Precoding for Millimeter Wave Communications With Fully Connected Subarrays. <i>IEEE Communications Letters</i> , 2018, 22, 2160-2163.	4.1	14
76	High-Accuracy Three-Dimensional Visible Light Positioning Systems Using Image Sensor. , 2018, , .		2
77	A Survey of Non-Orthogonal Multiple Access for 5G. <i>IEEE Communications Surveys and Tutorials</i> , 2018, 20, 2294-2323.	39.4	887
78	Interleaved DFT-Spread Layered/Enhanced ACO-OFDM for Intensity-Modulated Direct-Detection Systems. <i>Journal of Lightwave Technology</i> , 2018, 36, 4713-4722.	4.6	17
79	Outage Probability Region and Optimal Power Allocation for Uplink SCMA Systems. <i>IEEE Transactions on Communications</i> , 2018, , 1-1.	7.8	6
80	Weighted-Graph-Coloring-Based Pilot Decontamination for Multicell Massive MIMO Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 2829-2834.	6.3	54
81	Near-Optimal Signal Detector Based on Structured Compressive Sensing for Massive SM-MIMO. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 1860-1865.	6.3	33
82	On the Performance of Channel-Statistics-Based Codebook for Massive MIMO Channel Feedback. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 7553-7557.	6.3	28
83	Optical dual-mode index modulation aided OFDM for visible light communications. <i>Optics Communications</i> , 2017, 391, 37-41.	2.1	28
84	Target Detection via Bayesian-Morphological Saliency in High-Resolution SAR Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 5455-5466.	6.3	30
85	Asymmetrically Clipped Absolute Value Optical OFDM for Intensity-Modulated Direct-Detection Systems. <i>Journal of Lightwave Technology</i> , 2017, 35, 3680-3691.	4.6	33
86	NOMA-Based Spatial Modulation. <i>IEEE Access</i> , 2017, 5, 3790-3800.	4.2	52
87	Structured Non-Uniformly Spaced Rectangular Antenna Array Design for FD-MIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , 2017, 16, 3252-3266.	9.2	21
88	Iterative receiver for ADO-OFDM with near-optimal optical power allocation. <i>Optics Communications</i> , 2017, 387, 350-356.	2.1	14
89	Generalized Dual-Mode Index Modulation Aided OFDM. <i>IEEE Communications Letters</i> , 2017, 21, 761-764.	4.1	99
90	Optical OFDM for visible light communications. , 2017, , .		31

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91	Interference-free LED allocation for the fisheye lens based visible light communications. , 2017, , .		3
92	Angular domain pilot design and channel estimation for FDD massive MIMO networks. , 2017, , .		10
93	AoD-adaptive subspace codebook for channel feedback in FDD massive MIMO systems. , 2017, , .		14
94	Spectrum and Energy-Efficient Beamspace MIMO-NOMA for Millimeter-Wave Communications Using Lens Antenna Array. IEEE Journal on Selected Areas in Communications, 2017, 35, 2370-2382.	14.0	275
95	Two-Dimensional Precoding for 3-D Massive MIMO. IEEE Transactions on Vehicular Technology, 2017, 66, 5485-5490.	6.3	28
96	Fast Channel Tracking for Terahertz Beamspace Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 5689-5696.	6.3	154
97	Dual-Mode Index Modulation Aided OFDM. IEEE Access, 2017, 5, 50-60.	4.2	231
98	Leakage-based precoding for MU-MIMO VLC systems under optical power constraint. Optics Communications, 2017, 382, 348-353.	2.1	9
99	Enhanced asymmetrically clipped DC biased optical OFDM for intensity-modulated direct-detection systems. Journal of Communications and Information Networks, 2017, 2, 36-46.	5.2	8
100	A segmentation modulation based spectral allocation scheme for elastic optical networks. , 2017, , .		3
101	Zero-Padded Orthogonal Frequency Division Multiplexing with Index Modulation Using Multiple Constellation Alphabets. IEEE Access, 2017, 5, 21168-21178.	4.2	17
102	Data-Aided Spatial Modulation. IEEE Access, 2017, 5, 7285-7293.	4.2	0
103	Efficient and reliable slice allocation for multi-€services in DVB-€2 networks. IET Communications, 2017, 11, 837-845.	2.2	0
104	Receiver design for SPAD-based VLC systems under Poisson-€Gaussian mixed noise model. Optics Express, 2017, 25, 799.	3.4	21
105	Near-Optimal Beam Selection for Beamspace MmWave Massive MIMO Systems. IEEE Communications Letters, 2016, 20, 1054-1057.	4.1	230
106	Channel Estimation for Millimeter-Wave Massive MIMO With Hybrid Precoding Over Frequency-Selective Fading Channels. IEEE Communications Letters, 2016, 20, 1259-1262.	4.1	251
107	BICM-ID scheme for clipped DCO-OFDM in visible light communications. Optics Express, 2016, 24, 4573.	3.4	15
108	Multi-User Sum-Rate Optimization for Visible Light Communications With Lighting Constraints. Journal of Lightwave Technology, 2016, 34, 3943-3952.	4.6	44

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109	Channel estimation for mmWave massive MIMO based access and backhaul in ultra-dense network. , 2016, , .		38
110	Location-Aware Channel Estimation Enhanced TDD Based Massive MIMO. IEEE Access, 2016, 4, 7828-7840.	4.2	18
111	Two-stage beamforming training for multi-user millimetre wave systems. Electronics Letters, 2016, 52, 1351-1353.	1.0	1
112	Massive MIMO channel estimation based on block iterative support detection. , 2016, , .		8
113	Enhanced beam selection for multi-user mm-wave massive MIMO systems. Electronics Letters, 2016, 52, 1268-1270.	1.0	6
114	A Modified CFAR Algorithm Based on Object Proposals for Ship Target Detection in SAR Images. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1925-1929.	3.1	104
115	Low-density spatial RS design and channel estimation for FDD massive full-dimensional MIMO systems. , 2016, , .		1
116	Contact duration aware cache refreshing for mobile opportunistic networks. IET Networks, 2016, 5, 93-103.	1.8	3
117	Construction of Multiple-Rate QC-LDPC Codes Using Hierarchical Row-Splitting. IEEE Communications Letters, 2016, 20, 1068-1071.	4.1	5
118	Dimmable Visible Light Communications Based on Multilayer ACO-OFDM. IEEE Photonics Journal, 2016, 8, 1-11.	2.0	36
119	Joint User Activity and Data Detection Based on Structured Compressive Sensing for NOMA. IEEE Communications Letters, 2016, , 1-1.	4.1	110
120	Location-Aware Pilot Assignment for Massive MIMO Systems in Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 6815-6821.	6.3	31
121	Ellipse-based DCO-OFDM for visible light communications. Optics Communications, 2016, 360, 1-6.	2.1	12
122	Joint Channel Training and Feedback for FDD Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 8762-8767.	6.3	59
123	Achievable Rate of Rician Large-Scale MIMO Channels With Transceiver Hardware Impairments. IEEE Transactions on Vehicular Technology, 2016, 65, 8800-8806.	6.3	80
124	Compressive-Sensing-Based Multiuser Detector for the Large-Scale SM-MIMO Uplink. IEEE Transactions on Vehicular Technology, 2016, 65, 8725-8730.	6.3	44
125	Adaptive Hybrid Precoding for Multiuser Massive MIMO. IEEE Communications Letters, 2016, 20, 776-779.	4.1	69
126	On the Spectral Efficiency of Massive MIMO Systems With Low-Resolution ADCs. IEEE Communications Letters, 2016, 20, 842-845.	4.1	207

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127	Improved Receiver Design for Layered ACO-OFDM in Optical Wireless Communications. IEEE Photonics Technology Letters, 2016, 28, 319-322.	2.5	32
128	Near-Optimal Low-Complexity Sequence Detection for Clipped DCO-OFDM. IEEE Photonics Technology Letters, 2016, 28, 233-236.	2.5	23
129	Structured Compressive Sensing-Based Spatio-Temporal Joint Channel Estimation for FDD Massive MIMO. IEEE Transactions on Communications, 2016, 64, 601-617.	7.8	173
130	A Tight Upper Bound on Channel Capacity for Visible Light Communications. IEEE Communications Letters, 2016, 20, 97-100.	4.1	46
131	Turbo-Like Beamforming Based on Tabu Search Algorithm for Millimeter-Wave Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 5731-5737.	6.3	71
132	Social-Community-Aware Resource Allocation for D2D Communications Underlying Cellular Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 3628-3640.	6.3	83
133	Soft Pilot Reuse and Multicell Block Diagonalization Precoding for Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 3285-3298.	6.3	122
134	Joint channel estimation and feedback with low overhead for FDD massive MIMO systems. , 2015, , .		10
135	Effective Rate Analysis of MISO Systems over $\hat{\Gamma} \pm \hat{\Delta} \mu$ Fading Channels. , 2015, , .		10
136	Spatially correlated channel estimation based on block iterative support detection for massive MIMO systems. Electronics Letters, 2015, 51, 587-588.	1.0	14
137	Compressive Sensing Based Multi-User Detection for Uplink Grant-Free Non-Orthogonal Multiple Access. , 2015, , .		52
138	PM-DCO-OFDM for PAPR reduction in visible light communications. , 2015, , .		0
139	MDP-based vertical handover scheme for indoor VLC-WiFi systems. , 2015, , .		7
140	Joint CSIT Acquisition Based on Low-Rank Matrix Completion for FDD Massive MIMO Systems. IEEE Communications Letters, 2015, 19, 2178-2181.	4.1	78
141	Tracking a dynamic sparse channel via differential orthogonal matching pursuit. , 2015, , .		17
142	Multi-user MIMO-OFDM for indoor visible light communication systems. , 2015, , .		3
143	Location-based channel estimation and pilot assignment for massive MIMO systems. , 2015, , .		43
144	Effective capacity of communication systems over $\hat{\Gamma} \pm \hat{\Delta} \mu$ shadowed fading channels. Electronics Letters, 2015, 51, 1540-1542.	1.0	60

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145	Fast variational Bayesian learning for channel estimation with prior statistical information. , 2015, , .		4
146	Temporal correlation based sparse channel estimation for TDS-OFDM in high-speed scenarios. , 2015, , .		2
147	Modified PTS-based PAPR reduction for ACO-OFDM in visible light communications. Science China Information Sciences, 2015, 58, 1-3.	4.3	2
148	Video Streaming in the Multiuser Indoor Visible Light Downlink. IEEE Access, 2015, 3, 2959-2986.	4.2	17
149	Multiuser MIMO-OFDM for Visible Light Communications. IEEE Photonics Journal, 2015, 7, 1-11.	2.0	97
150	Efficient Vertical Handover Scheme for Heterogeneous VLC-RF Systems. Journal of Optical Communications and Networking, 2015, 7, 1172.	4.8	88
151	Priori-Information Aided Iterative Hard Threshold: A Low-Complexity High-Accuracy Compressive Sensing Based Channel Estimation for TDS-OFDM. IEEE Transactions on Wireless Communications, 2015, 14, 242-251.	9.2	45
152	Asymmetrical Hybrid Optical OFDM for Visible Light Communications With Dimming Control. IEEE Photonics Technology Letters, 2015, 27, 974-977.	2.5	104
153	Unified Performance Analysis of Mixed Radio Frequency/Free-Space Optical Dual-Hop Transmission Systems. Journal of Lightwave Technology, 2015, 33, 2286-2293.	4.6	112
154	Robust Preamble Design for Synchronization, Signaling Transmission, and Channel Estimation. IEEE Transactions on Broadcasting, 2015, 61, 98-104.	3.2	41
155	On the Ergodic Capacity of MIMO Free-Space Optical Systems Over Turbulence Channels. IEEE Journal on Selected Areas in Communications, 2015, 33, 1925-1934.	14.0	55
156	Visible light communications in heterogeneous networks: Paving the way for user-centric design. IEEE Wireless Communications, 2015, 22, 8-16.	9.0	123
157	Smart Pilot Assignment for Massive MIMO. IEEE Communications Letters, 2015, 19, 1644-1647.	4.1	178
158	Sparsity-Aware Adaptive Channel Estimation Based on SNR Detection. IEEE Transactions on Broadcasting, 2015, 61, 119-126.	3.2	7
159	Layered ACO-OFDM for intensity-modulated direct-detection optical wireless transmission. Optics Express, 2015, 23, 12382.	3.4	184
160	Performance optimisation for bit-interleaved coded modulation with iterative demapping with maximum a posteriori detection. IET Communications, 2015, 9, 1746-1753.	2.2	0
161	Non-orthogonal multiple access for 5G: solutions, challenges, opportunities, and future research trends. IEEE Communications Magazine, 2015, 53, 74-81.	6.1	2,277
162	Spatially Common Sparsity Based Adaptive Channel Estimation and Feedback for FDD Massive MIMO. IEEE Transactions on Signal Processing, 2015, 63, 6169-6183.	5.3	496

#	ARTICLE	IF	CITATIONS
163	Coded MIMO With Asymmetric Constellation Sizes. IEEE Transactions on Vehicular Technology, 2015, 64, 4338-4344.	6.3	0
164	Compressive sensing-based differential channel feedback for massive MIMO. Electronics Letters, 2015, 51, 1824-1826.	1.0	10
165	MmWave massive-MIMO-based wireless backhaul for the 5G ultra-dense network. IEEE Wireless Communications, 2015, 22, 13-21.	9.0	339
166	Downlink training scheme for massive MIMO systems. Electronics Letters, 2015, 51, 2059-2060.	1.0	1
167	Block compressive channel estimation and feedback for FDD massive MIMO. , 2015, , .		11
168	An optimal scaling scheme for DCO-OFDM based visible light communications. Optics Communications, 2015, 356, 136-140.	2.1	21
169	Low-Complexity Soft-Output Signal Detection Based on Gauss-Seidel Method for Uplink Multiuser Large-Scale MIMO Systems. IEEE Transactions on Vehicular Technology, 2015, 64, 4839-4845.	6.3	239
170	Low-Complexity Signal Detection for Large-Scale MIMO in Optical Wireless Communications. IEEE Journal on Selected Areas in Communications, 2015, 33, 1903-1912.	14.0	37
171	Asymptotic Orthogonality Analysis of Time-Domain Sparse Massive MIMO Channels. IEEE Communications Letters, 2015, 19, 1826-1829.	4.1	39
172	Graph Coloring Based Pilot Allocation to Mitigate Pilot Contamination for Multi-Cell Massive MIMO Systems. IEEE Communications Letters, 2015, 19, 1842-1845.	4.1	95
173	A reduced-complexity demapping algorithm for BICM-ID systems. IEEE Transactions on Vehicular Technology, 2015, 64, 4350-4356.	6.3	9
174	Joint CSIT acquisition based on low-rank matrix recovery for FDD massive MIMO systems. , 2015, , .		1
175	Limits of Predictability for Large-Scale Urban Vehicular Mobility. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 2671-2682.	8.0	29
176	Iterative Receiver for Hybrid Asymmetrically Clipped Optical OFDM. Journal of Lightwave Technology, 2014, 32, 4471-4477.	4.6	29
177	Structured compressive sensing based superimposed pilot design in downlink large-scale MIMO systems. Electronics Letters, 2014, 50, 896-898.	1.0	100
178	Simplified fault-tolerant FIR filter architecture based on redundant residue number system. Electronics Letters, 2014, 50, 1768-1770.	1.0	9
179	Signaling-Embedded Preamble Design for Flexible Optical Transport Networks. , 2014, , .		0
180	An adaptive scaling and biasing scheme for OFDM-based visible light communication systems. Optics Express, 2014, 22, 12707.	3.4	44

#	ARTICLE	IF	CITATIONS
181	Low complexity detection algorithm for under-determined MIMO systems. , 2014, , .		4
182	Low-complexity near-optimal signal detection for uplink large-scale MIMO systems. Electronics Letters, 2014, 50, 1326-1328.	1.0	113
183	Matrix inversion-less signal detection using SOR method for uplink large-scale MIMO systems. , 2014, , .		66
184	A Universal Low-Complexity Symbol-to-Bit Soft Demapper. IEEE Transactions on Vehicular Technology, 2014, 63, 119-130.	6.3	55
185	Polar Decomposition of Mutual Information Over Complex-Valued Channels. IEEE Transactions on Information Theory, 2014, 60, 3163-3171.	2.4	4
186	Simplified Parallel Interference Cancellation for Underdetermined MIMO Systems. IEEE Transactions on Vehicular Technology, 2014, 63, 3196-3208.	6.3	4
187	Low-Complexity Signaling-Embedded Preamble Design Based on Relative Subcarrier Position. IEEE Communications Letters, 2014, 18, 1657-1660.	4.1	2
188	A Markov Jump Process Model for Urban Vehicular Mobility: Modeling and Applications. IEEE Transactions on Mobile Computing, 2014, 13, 1911-1926.	5.8	25
189	Optimal Mobile Content Downloading in Device-to-Device Communication Underlying Cellular Networks. IEEE Transactions on Wireless Communications, 2014, 13, 3596-3608.	9.2	66
190	Coding or Not: Optimal Mobile Data Offloading in Opportunistic Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 318-333.	8.0	41
191	Super-Resolution Sparse MIMO-OFDM Channel Estimation Based on Spatial and Temporal Correlations. IEEE Communications Letters, 2014, 18, 1266-1269.	4.1	71
192	Multihop Free-Space Optical Communications Over Turbulence Channels with Pointing Errors using Heterodyne Detection. Journal of Lightwave Technology, 2014, 32, 2597-2604.	4.6	99
193	Multiple Mobile Data Offloading Through Disruption Tolerant Networks. IEEE Transactions on Mobile Computing, 2014, 13, 1579-1596.	5.8	99
194	Reliable and energy-efficient OFDM based on structured compressive sensing. , 2014, , .		2
195	Efficient Multi-Service Allocation for Digital Terrestrial Broadcasting Systems. IEICE Transactions on Communications, 2014, E97.B, 1977-1983.	0.7	2
196	Multi-Service MIMO Broadcasting with Different Receive Antennas. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 1994-1997.	0.3	1
197	Spectrally Efficient Time-Frequency Training OFDM for Mobile Large-Scale MIMO Systems. IEEE Journal on Selected Areas in Communications, 2013, 31, 251-263.	14.0	189
198	An Optimal Relaying Scheme for Delay-Tolerant Networks With Heterogeneous Mobile Nodes. IEEE Transactions on Vehicular Technology, 2013, 62, 2239-2252.	6.3	11

#	ARTICLE	IF	CITATIONS
199	Compressive Sensing Based Time Domain Synchronous OFDM Transmission for Vehicular Communications. IEEE Journal on Selected Areas in Communications, 2013, 31, 460-469.	14.0	82
200	Low complexity LDPC decoder with modified Sum-Product algorithm. Tsinghua Science and Technology, 2013, 18, 57-61.	6.1	8
201	Flexible Multi-Block OFDM Transmission for High-Speed Fiber-Wireless Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 788-796.	14.0	7
202	Improving physical-layer security using APSK constellations with finite-alphabet inputs. , 2013, , .		4
203	QoS-guaranteed resource allocation supporting multi-services in OFDM systems. , 2013, , .		1
204	Two-Stage List Sphere Decoding for Under-Determined Multiple-Input Multiple-Output Systems. IEEE Transactions on Wireless Communications, 2013, 12, 6476-6487.	9.2	9
205	Spectrum-Efficient Coherent Optical OFDM for Transport Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 62-74.	14.0	12
206	A novel peak-to-average power ratio reduction method for amplitude phase shift keying. , 2013, , .		0
207	Spectrum- and Energy-Efficient OFDM Based on Simultaneous Multi-Channel Reconstruction. IEEE Transactions on Signal Processing, 2013, 61, 6047-6059.	5.3	106
208	Enhancing the decoding performance of optical wireless communication systems using receiver-side predistortion. Optics Express, 2013, 21, 30295.	3.4	18
209	Joint Time-Frequency Channel Estimation for Time Domain Synchronous OFDM Systems. IEEE Transactions on Broadcasting, 2013, 59, 168-173.	3.2	15
210	Exponential and Power Law Distribution of Contact Duration in Urban Vehicular Ad Hoc Networks. IEEE Signal Processing Letters, 2013, 20, 110-113.	3.6	32
211	Spectrally efficient time-frequency training OFDM for MIMO systems. , 2013, , .		0
212	Adaptive compressive sensing based channel estimation for TDS-OFDM systems. , 2013, , .		4
213	Fast Antijamming Timing Acquisition Using Multilayer Synchronization Sequence. IEEE Transactions on Vehicular Technology, 2013, 62, 3497-3503.	6.3	5
214	Time domain synchronous OFDM based on simultaneous multi-channel reconstruction. , 2013, , .		7
215	An improved preamble design for broadcasting signalling with enhanced robustness. , 2013, , .		4
216	Online Content Dissemination in Hybrid Broadcast-Unicast Networks. IEICE Transactions on Communications, 2013, E96.B, 1551-1558.	0.7	0

#	ARTICLE	IF	CITATIONS
217	Improved frame structure for TDS-OFDM systems. Electronics Letters, 2012, 48, 1024-1026.	1.0	2
218	Rate-compatible QC-LDPC codes design based on EXIT chart analysis. , 2012, , .		4
219	A modified fixed sphere decoding algorithm for under-determined MIMO systems. , 2012, , .		2
220	Physical layer signalling transmission using Walsh sequences for OFDM systems. , 2012, , .		0
221	Collaborative Vehicular Content Dissemination with Directional Antennas. IEEE Transactions on Wireless Communications, 2012, 11, 1301-1306.	9.2	32
222	Spectrum-efficient coherent optical zero padding OFDM for future high-speed transport networks. , 2012, , .		0
223	Markov Decision Process based content dissemination in hybrid wireless networks. , 2012, , .		3
224	Efficient mobile content dissemination through broadcast and opportunistic networks. , 2012, , .		0
225	A Flexible Superframe Structure Supporting Localization for TDS-OFDM. IEICE Transactions on Communications, 2012, E95.B, 3922-3924.	0.7	0
226	Priori information aided compressive sensing for time domain synchronous OFDM. Electronics Letters, 2012, 48, 800.	1.0	8
227	Simplified Soft Demapper for APSK with Product Constellation Labeling. IEEE Transactions on Wireless Communications, 2012, 11, 2649-2657.	9.2	40
228	Decision-directed tracking for burst-mode OFDM with frequency selective channel. , 2012, , .		0
229	Next-generation digital television terrestrial broadcasting systems: Key technologies and research trends. , 2012, 50, 150-158.		141
230	Evaluating the effects of node cooperation on DTN routing. AEU - International Journal of Electronics and Communications, 2012, 66, 62-67.	2.9	19
231	Optimal Beaconing Control for Epidemic Routing in Delay-Tolerant Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 311-320.	6.3	40
232	Time-Frequency Training OFDM with High Spectral Efficiency and Reliable Performance in High Speed Environments. IEEE Journal on Selected Areas in Communications, 2012, 30, 695-707.	14.0	93
233	Wireless Positioning Using TDS-OFDM Signals in Single-Frequency Networks. IEEE Transactions on Broadcasting, 2012, 58, 236-246.	3.2	32
234	A Novel Uplink Multiple Access Scheme Based on TDS-FDMA. IEEE Transactions on Wireless Communications, 2011, 10, 757-761.	9.2	31

#	ARTICLE	IF	CITATIONS
235	Improve initial ranging for uplink OFDMA systems by partial frequency sequence detection. , 2011, , .		0
236	Time-Frequency Training OFDM with High Spectral Efficiency and Improved Performance over Fast Fading Channels. , 2011, , .		1
237	Terahertz Terabit Wireless Communication. IEEE Microwave Magazine, 2011, 12, 108-116.	0.8	175
238	Reliable Multi-Path Routing With Bandwidth and Delay Constraints. Intelligent Automation and Soft Computing, 2011, 17, 1125-1137.	2.1	0
239	Pilot Design and Channel Estimation for TDS-OFDM System with Transmit Diversity. IEICE Transactions on Communications, 2011, E94-B, 852-855.	0.7	3
240	Low-Complexity Iterative Frequency Domain Decision Feedback Equalization. IEEE Transactions on Vehicular Technology, 2011, 60, 1295-1301.	6.3	39
241	Preamble Design Using Embedded Signaling for OFDM Broadcast Systems Based on Reduced-Complexity Distance Detection. IEEE Transactions on Vehicular Technology, 2011, 60, 1217-1222.	6.3	56
242	Irregular Mapping and its Application in Bit-Interleaved LDPC Coded Modulation With Iterative Demapping and Decoding. IEEE Transactions on Broadcasting, 2011, 57, 707-712.	3.2	19
243	TDS-OFDMA: a novel multiple access system based on TDS-OFDM. IEEE Transactions on Consumer Electronics, 2011, 57, 1528-1534.	3.6	2
244	Transmit Diversity for TDS-OFDM Broadcasting System Over Doubly Selective Fading Channels. IEEE Transactions on Broadcasting, 2011, 57, 135-142.	3.2	34
245	Positioning in Chinese Digital Television Network Using TDS-OFDM Signals. , 2011, , .		2
246	Coded Modulation with Signal Space Diversity. IEEE Transactions on Wireless Communications, 2011, 10, 660-669.	9.2	43
247	Complexity Reduced Transmit Diversity Scheme for Time Domain Synchronous OFDM Systems. IEICE Transactions on Communications, 2011, E94-B, 3116-3124.	0.7	0
248	A Novel BICM-ID System Approaching Shannon-Limit at High Spectrum Efficiency. IEICE Transactions on Communications, 2011, E94-B, 793-795.	0.7	26
249	Robust Physical Layer Signaling Transmission over OFDM Systems. IEICE Transactions on Communications, 2011, E94-B, 2900-2902.	0.7	4
250	BICM-ID with 3-Dimensional BPSK and Signal Space Diversity over Rayleigh Channel. IEICE Transactions on Communications, 2011, E94-B, 282-284.	0.7	1
251	Training Sequence Aided MC-CDMA Scheme with High Spectrum Efficiency. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 1857-1860.	0.3	2
252	Frequency Domain Decision Feedback Equalization for Uplink SC-FDMA. IEEE Transactions on Broadcasting, 2010, 56, 253-257.	3.2	45

#	ARTICLE	IF	CITATIONS
253	Improved Channel Estimation for TDS-OFDM Based on Flexible Frequency-Binary Padding. IEEE Transactions on Broadcasting, 2010, 56, 418-424.	3.2	23
254	BICM-ID Systems with Signal Space Diversity over Rayleigh Fading Channels. , 2010, , .		3
255	A Layered Modulation OFDM Scheme Using Differential Symbols as Pilots. , 2010, , .		1
256	A Novel TDS-FDMA Scheme for Multi-User Uplink Scenarios. , 2010, , .		1
257	TDS-OFDM Transmit Diversity Based on Space-Time Shifted CAZAC Sequence. , 2010, , .		2
258	Accurate position location in TDS-OFDM based digital television broadcasting networks. , 2010, , .		0
259	Capacity Study of Virtual MIMO Uplink OFDMA Cellular System with Cochannel Interference. , 2010, , .		1
260	A novel time-domain synchronous block transmission frame structure for broadcasting return channel. IEEE Transactions on Consumer Electronics, 2010, 56, 366-373.	3.6	1
261	Positioning with OFDM signals for the next- generation GNSS. IEEE Transactions on Consumer Electronics, 2010, 56, 374-379.	3.6	55
262	Joint channel estimation and time-frequency synchronization for uplink TDS-OFDMA systems. IEEE Transactions on Consumer Electronics, 2010, 56, 494-500.	3.6	25
263	Secure communication in TDS-OFDM system using constellation rotation and noise insertion. IEEE Transactions on Consumer Electronics, 2010, 56, 1328-1332.	3.6	70
264	Synchronization for TDS-OFDM over multipath fading channels. IEEE Transactions on Consumer Electronics, 2010, 56, 2141-2147.	3.6	25
265	Joint Code Acquisition and Doppler Frequency Shift Estimation for GPS Signals. , 2010, , .		10
266	Technical Review for Chinese Future DTTB System. , 2010, , .		4
267	Millimeter-Wave Circular Polarized Beam-Steering Antenna Array for Gigabit Wireless Communications. IEEE Transactions on Antennas and Propagation, 2006, 54, 743-746.	5.1	55
268	V-Band Patch-Fed Rod Antennas for High Data-Rate Wireless Communications. IEEE Transactions on Antennas and Propagation, 2006, 54, 297-300.	5.1	24
269	Frequency reuse scheme for cellular OFDM systems. Electronics Letters, 2002, 38, 387.	1.0	53
270	Index Modulation-Aided OFDM for Visible Light Communications. , 0, , .		3