# Zhaocheng Wang

## List of Publications by Year in Descending Order



| | | | |
|---|---|---|---|
| 245 papers | 9,071 citations | 46 h-index | 90 g-index |
| 275 ext. papers | 11,497 ext. citations | 5 avg, IF | 6.8 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 245 | Secure Routing in Multihop Ad-Hoc Networks With SRR-Based Reinforcement Learning. *IEEE Wireless Communications Letters*, **2022**, 11, 362-366 | 5.9 | 0 |
| 244 | Improving Deep Learning-Based Cloud Detection for Satellite Images With Attention Mechanism. *IEEE Geoscience and Remote Sensing Letters*, **2022**, 19, 1-5 | 4.1 | 1 |
| 243 | Reconfigurable Intelligent Surface Deployment for Blind Zone Improvement in MmWave Wireless Networks. *IEEE Communications Letters*, **2022**, 1-1 | 3.8 | 2 |
| 242 | Evolutionary Game Based Strategy Selection for Hybrid V2V Communications. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1 | 6.8 | 1 |
| 241 | Deep Learning-assisted Demodulation for TeraHertz Communications under Hybrid Distortions. *IEEE Communications Letters*, **2021**, 1-1 | 3.8 | |
| 240 | Feedback Interval Optimization for MISO LiFi Systems. *IEEE Access*, **2021**, 9, 136811-136818 | 3.5 | 2 |
| 239 | SVM-based online learning for interference-aware multi-cell mmWave vehicular communications. *IET Communications*, **2021**, 15, 1015-1027 | 1.3 | |
| 238 | Fairness-aware power allocation in downlink MIMO-NOMA systems. *IET Communications*, **2021**, 15, 1143-1157 | | |
| 237 | 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 | 7 |
| 236 | Channel Estimation and Equalization for Terahertz Receiver With RF Impairments. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 1621-1635 | 14.2 | 5 |
| 235 | Terahertz Wireless Communications With Flexible Index Modulation Aided Pilot Design. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 1651-1662 | 14.2 | 8 |
| 234 | . *IEEE Transactions on Wireless Communications*, **2021**, 20, 3847-3864 | 9.6 | 1 |
| 233 | Joint Transmit Precoding and Reconfigurable Intelligent Surface Phase Adjustment: A Decomposition-Aided Channel Estimation Approach. *IEEE Transactions on Communications*, **2021**, 69, 1228-1243 | 6.9 | 31 |
| 232 | Deep Learning Assisted Calibrated Beam Training for Millimeter-Wave Communication Systems. *IEEE Transactions on Communications*, **2021**, 1-1 | 6.9 | 9 |
| 231 | Coordination Game Theory-Based Adaptive Topology Control for Hybrid VLC/RF VANET. *IEEE Transactions on Communications*, **2021**, 69, 5312-5324 | 6.9 | 2 |
| 230 | Petahertz communication: Harmonizing optical spectra for wireless communications. *Digital Communications and Networks*, **2021**, 7, 605-605 | 5.9 | 4 |
| 229 | Two-Timescale Beam Selection and Power Allocation for Maritime Offshore Communications. *IEEE Communications Letters*, **2021**, 25, 3060-3064 | 3.8 | 1 |

| | | | |
|---|---|---|---|
| 228 | Joint User Association and Passive Beamforming in Heterogeneous Networks With Reconfigurable Intelligent Surfaces. *IEEE Communications Letters*, **2021**, 25, 3041-3045 | 3.8 | 2 |
| 227 | Deep Learning-Assisted TeraHertz QPSK Detection Relying on Single-Bit Quantization. *IEEE Transactions on Communications*, **2021**, 1-1 | 6.9 | 2 |
| 226 | Resource Management for Hybrid RF/VLC V2I Wireless Communication System. *IEEE Communications Letters*, **2020**, 24, 868-871 | 3.8 | 4 |
| 225 | Networked multiple-input-multiple-output for optical wireless communication systems. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2020**, 378, 20190189 | 3 | 3 |
| 224 | User Association for Load Balance in Heterogeneous Networks With Limited CSI Feedback. *IEEE Communications Letters*, **2020**, 24, 1095-1099 | 3.8 | 4 |
| 223 | Reordering ART-based detector and Geo-PAM constellation design for SPAD VLC systems under nonlinear distortions. *Optics Communications*, **2020**, 474, 126180 | 2 | |
| 222 | Spatial Modulation for Terahertz Communication Systems With Hardware Impairments. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 4553-4557 | 6.8 | 15 |
| 221 | . *IEEE Transactions on Vehicular Technology*, **2020**, 69, 4105-4117 | 6.8 | 4 |
| 220 | Graph Theory Based Beam Scheduling for Inter-Cell Interference Avoidance in MmWave Cellular Networks. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 3929-3942 | 6.8 | 9 |
| 219 | Low-Complexity Beam Selection Scheme for High Speed Railway Communications. *IEEE Access*, **2020**, 8, 16022-16032 | 3.5 | 4 |
| 218 | Algebraic Construction of Optimal Frequency Hopping Patterns Based on Welch Costas Arrays. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 1841-1854 | 6.8 | 0 |
| 217 | Topology Control in Hybrid VLC/RF Vehicular Ad-Hoc Network. *IEEE Transactions on Wireless Communications*, **2020**, 19, 1965-1976 | 9.6 | 15 |
| 216 | Receiver Design for the Low-Cost TeraHertz Communication System with Hardware Impairment **2020**, | | 3 |
| 215 | Machine Learning Predicts Lymph Node Metastasis in Early-Stage Oral Tongue Squamous Cell Carcinoma. *Journal of Oral and Maxillofacial Surgery*, **2020**, 78, 2208-2218 | 1.8 | 11 |
| 214 | RIS-Aided Offshore Communications with Adaptive Beamforming and Service Time Allocation **2020**, | | 4 |
| 213 | The Movement-Rotation (MR) Correlation Function and Coherence Distance of VLC Channels. *Journal of Lightwave Technology*, **2020**, 38, 6759-6770 | 4 | 1 |
| 212 | Virtual Angular-Domain Channel Estimation for FDD Based Massive MIMO Systems With Partial Orthogonal Pilot Design. *IEEE Transactions on Vehicular Technology*, **2020**, 1-1 | 6.8 | 4 |
| 211 | Statistics-Assisted Beam Training for MmWave Massive MIMO Systems. *IEEE Communications Letters*, **2019**, 23, 1401-1404 | 3.8 | 2 |

| | | | |
|---|---|---|---|
| 210 | Constant-Envelope Space-Time Shift Keying. *IEEE Journal on Selected Topics in Signal Processing*, **2019**, 13, 1387-1402 | 7.5 | 9 |
| 209 | Efficient Channel Estimation for mmWave MIMO With Transceiver Hardware Impairments. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 9883-9895 | 6.8 | 11 |
| 208 | Downlink Interference Management in Cell-Free VLC Network. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 9007-9017 | 6.8 | 7 |
| 207 | EKF-Based Beam Tracking for mmWave MIMO Systems. *IEEE Communications Letters*, **2019**, 23, 2390-2393 | 3.8 | 13 |
| 206 | Harmonic Retrieval Based Baseband Channel Estimation for Millimeter Wave OFDM Systems. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 2668-2681 | 6.8 | 2 |
| 205 | Non-Uniform Full-Dimension MIMO: New Topologies and Opportunities. *IEEE Wireless Communications*, **2019**, 26, 124-132 | 13.4 | 7 |
| 204 | Novel Index Modulation Techniques: A Survey. *IEEE Communications Surveys and Tutorials*, **2019**, 21, 315-348 | 37.8 | 134 |
| 203 | Least Pair-Wise Collision Beam Schedule for mmWave Inter-Cell Interference Suppression. *IEEE Transactions on Wireless Communications*, **2019**, 18, 4436-4449 | 9.6 | 1 |
| 202 | Adaptive Coherent/Non-Coherent Spatial Modulation Aided Unmanned Aircraft Systems. *IEEE Wireless Communications*, **2019**, 26, 170-177 | 13.4 | 24 |
| 201 | Near-Perfect Finite-Cardinality Generalized Space-Time Shift Keying. *IEEE Journal on Selected Areas in Communications*, **2019**, 37, 2146-2164 | 14.2 | 10 |
| 200 | SVM-Based Network Access Type Decision in Hybrid LiFi and WiFi Networks **2019**, | | 3 |
| 199 | Joint Design of User Scheduling and Precoding for Interference Management in Cell-Free VLC Network **2019**, | | 2 |
| 198 | Sixty Years of Coherent Versus Non-Coherent Tradeoffs and the Road From 5G to Wireless Futures. *IEEE Access*, **2019**, 7, 178246-178299 | 3.5 | 29 |
| 197 | Calibrated Beam Training for Millimeter-Wave Massive MIMO Systems **2019**, | | 1 |
| 196 | . *IEEE Geoscience and Remote Sensing Letters*, **2019**, 16, 150-154 | 4.1 | 59 |
| 195 | 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 | 8.1 | 29 |
| 194 | Interference-Free LED Allocation for Visible Light Communications With Fisheye Lens. *Journal of Lightwave Technology*, **2018**, 36, 626-636 | 4 | 3 |
| 193 | . *IEEE Wireless Communications*, **2018**, 25, 144-153 | 13.4 | 122 |

| | | | |
|---|---|---|---|
| 192 | Joint User Association and Power Allocation for Cell-Free Visible Light Communication Networks. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 136-148 | 14.2 | 40 |
| 191 | Hardware-Efficient Hybrid Precoding for Millimeter Wave Systems With Multi-Feed Reflectarrays. *IEEE Access*, **2018**, 6, 6795-6806 | 3.5 | 17 |
| 190 | Channel Feedback Codebook Design for Millimeter-Wave Massive MIMO Systems Relying on Lens Antenna Array. *IEEE Wireless Communications Letters*, **2018**, 7, 736-739 | 5.9 | 9 |
| 189 | Channel Feedback Based on AoD-Adaptive Subspace Codebook in FDD Massive MIMO Systems. *IEEE Transactions on Communications*, **2018**, 66, 5235-5248 | 6.9 | 51 |
| 188 | Hybrid Precoding for Millimeter Wave Communications With Fully Connected Subarrays. *IEEE Communications Letters*, **2018**, 22, 2160-2163 | 3.8 | 12 |
| 187 | A Survey of Non-Orthogonal Multiple Access for 5G. *IEEE Communications Surveys and Tutorials*, **2018**, 20, 2294-2323 | 37.1 | 501 |
| 186 | . *Journal of Lightwave Technology*, **2018**, 36, 4713-4722 | 4 | 12 |
| 185 | Outage Probability Region and Optimal Power Allocation for Uplink SCMA Systems. *IEEE Transactions on Communications*, **2018**, 1-1 | 6.9 | 4 |
| 184 | Channel Estimation for mmWave MIMO With Transmitter Hardware Impairments. *IEEE Communications Letters*, **2018**, 22, 320-323 | 3.8 | 23 |
| 183 | Joint User Scheduling and Hybrid Precoding for Multi-User mmWave Systems with Two-Layer PS Network **2018**, | | 4 |
| 182 | Partially-Activated Conjugate Beamforming for LoS Massive MIMO Communications. *IEEE Access*, **2018**, 6, 56504-56513 | 3.5 | 2 |
| 181 | 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 | 4.7 | 12 |
| 180 | Localization Algorithm Based on Iterative Centroid Estimation for Wireless Sensor Networks. *Mathematical Problems in Engineering*, **2018**, 2018, 1-11 | 1.1 | 4 |
| 179 | Weighted-Graph-Coloring-Based Pilot Decontamination for Multicell Massive MIMO Systems. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 2829-2834 | 6.8 | 45 |
| 178 | Near-Optimal Signal Detector Based on Structured Compressive Sensing for Massive SM-MIMO. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 1860-1865 | 6.8 | 25 |
| 177 | On the Performance of Channel-Statistics-Based Codebook for Massive MIMO Channel Feedback. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 7553-7557 | 6.8 | 19 |
| 176 | Optical dual-mode index modulation aided OFDM for visible light communications. *Optics Communications*, **2017**, 391, 37-41 | 2 | 20 |
| 175 | Target Detection via Bayesian-Morphological Saliency in High-Resolution SAR Images. *IEEE Transactions on Geoscience and Remote Sensing*, **2017**, 55, 5455-5466 | 8.1 | 24 |

| | | | |
|---|---|---|---|
| 174 | Asymmetrically Clipped Absolute Value Optical OFDM for Intensity-Modulated Direct-Detection Systems. *Journal of Lightwave Technology*, **2017**, 35, 3680-3691 | 4 | 25 |
| 173 | NOMA-Based Spatial Modulation. *IEEE Access*, **2017**, 5, 3790-3800 | 3.5 | 34 |
| 172 | Structured Non-Uniformly Spaced Rectangular Antenna Array Design for FD-MIMO Systems. *IEEE Transactions on Wireless Communications*, **2017**, 16, 3252-3266 | 9.6 | 15 |
| 171 | Iterative receiver for ADO-OFDM with near-optimal optical power allocation. *Optics Communications*, **2017**, 387, 350-356 | 2 | 8 |
| 170 | Generalized Dual-Mode Index Modulation Aided OFDM. *IEEE Communications Letters*, **2017**, 21, 761-764 | 3.8 | 73 |
| 169 | Optical OFDM for visible light communications **2017**, | | 15 |
| 168 | Interference-free LED allocation for the fisheye lens based visible light communications **2017**, | | 3 |
| 167 | Angular domain pilot design and channel estimation for FDD massive MIMO networks **2017**, | | 8 |
| 166 | AoD-adaptive subspace codebook for channel feedback in FDD massive MIMO systems **2017**, | | 11 |
| 165 | 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 | 14.2 | 197 |
| 164 | Two-Dimensional Precoding for 3-D Massive MIMO. *IEEE Transactions on Vehicular Technology*, **2017** , 66, 5485-5490 | 6.8 | 20 |
| 163 | . *IEEE Transactions on Vehicular Technology*, **2017**, 66, 5689-5696 | 6.8 | 101 |
| 162 | Dual-Mode Index Modulation Aided OFDM. *IEEE Access*, **2017**, 5, 50-60 | 3.5 | 156 |
| 161 | Leakage-based precoding for MU-MIMO VLC systems under optical power constraint. *Optics Communications*, **2017**, 382, 348-353 | 2 | 8 |
| 160 | Enhanced asymmetrically clipped DC biased optical OFDM for intensity-modulated direct-detection systems. *Journal of Communications and Information Networks*, **2017**, 2, 36-46 | | 5 |
| 159 | A segmentation modulation based spectral allocation scheme for elastic optical networks **2017**, | | 2 |
| 158 | Zero-Padded Orthogonal Frequency Division Multiplexing with Index Modulation Using Multiple Constellation Alphabets. *IEEE Access*, **2017**, 5, 21168-21178 | 3.5 | 13 |
| 157 | . *IEEE Access*, **2017**, 5, 7285-7293 | 3.5 | |

| | | | |
|---|---|---|---|
| 156 | Multicarrier Modulation **2017**, 89-145 | | |
| 155 | Multicolor Modulation **2017**, 147-168 | | 0 |
| 154 | Optical MIMO **2017**, 169-200 | | |
| 153 | Signal Processing and Optimization **2017**, 201-238 | | |
| 152 | Introduction to Visible Light Communications **2017**, 1-16 | | 0 |
| 151 | Efficient and reliable slice allocation for multi-services in DVB-T2 networks. *IET Communications*, **2017**, 11, 837-845 | 1.3 | |
| 150 | Index Modulation-Aided OFDM for Visible Light Communications **2017**, | | 2 |
| 149 | Receiver design for SPAD-based VLC systems under Poisson-Gaussian mixed noise model. *Optics Express*, **2017**, 25, 799-809 | 3.3 | 16 |
| 148 | Social-Community-Aware Resource Allocation for D2D Communications Underlaying Cellular Networks. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 3628-3640 | 6.8 | 65 |
| 147 | . *IEEE Transactions on Vehicular Technology*, **2016**, 65, 3285-3298 | 6.8 | 99 |
| 146 | Channel estimation for mmWave massive MIMO based access and backhaul in ultra-dense network **2016**, | | 35 |
| 145 | Location-Aware Channel Estimation Enhanced TDD Based Massive MIMO. *IEEE Access*, **2016**, 4, 7828-7840 | 3.5 | 16 |
| 144 | Two-stage beamforming training for multi-user millimetre wave systems. *Electronics Letters*, **2016**, 52, 1351-1353 | 1.1 | 0 |
| 143 | Massive MIMO channel estimation based on block iterative support detection **2016**, | | 2 |
| 142 | Enhanced beam selection for multi-user mm-wave massive MIMO systems. *Electronics Letters*, **2016**, 52, 1268-1270 | 1.1 | 6 |
| 141 | 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 | 4.1 | 63 |
| 140 | Contact duration aware cache refreshing for mobile opportunistic networks. *IET Networks*, **2016**, 5, 93-103 | 2.3 | 3 |
| 139 | Construction of Multiple-Rate QC-LDPC Codes Using Hierarchical Row-Splitting. *IEEE Communications Letters*, **2016**, 20, 1068-1071 | 3.8 | 2 |

| | | | |
|---|---|---|---|
| 138 | Dimmable Visible Light Communications Based on Multilayer ACO-OFDM. *IEEE Photonics Journal*, **2016**, 8, 1-11 | 1.8 | 27 |
| 137 | Joint User Activity and Data Detection Based on Structured Compressive Sensing for NOMA. *IEEE Communications Letters*, **2016**, 1-1 | 3.8 | 76 |
| 136 | Location-Aware Pilot Assignment for Massive MIMO Systems in Heterogeneous Networks. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 6815-6821 | 6.8 | 24 |
| 135 | Ellipse-based DCO-OFDM for visible light communications. *Optics Communications*, **2016**, 360, 1-6 | 2 | 11 |
| 134 | Joint Channel Training and Feedback for FDD Massive MIMO Systems. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 8762-8767 | 6.8 | 36 |
| 133 | Achievable Rate of Rician Large-Scale MIMO Channels With Transceiver Hardware Impairments. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 8800-8806 | 6.8 | 63 |
| 132 | Compressive-Sensing-Based Multiuser Detector for the Large-Scale SM-MIMO Uplink. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 8725-8730 | 6.8 | 33 |
| 131 | Adaptive Hybrid Precoding for Multiuser Massive MIMO. *IEEE Communications Letters*, **2016**, 20, 776-779 | 3.8 | 50 |
| 130 | On the Spectral Efficiency of Massive MIMO Systems With Low-Resolution ADCs. *IEEE Communications Letters*, **2016**, 20, 842-845 | 3.8 | 163 |
| 129 | Improved Receiver Design for Layered ACO-OFDM in Optical Wireless Communications. *IEEE Photonics Technology Letters*, **2016**, 28, 319-322 | 2.2 | 25 |
| 128 | Near-Optimal Low-Complexity Sequence Detection for Clipped DCO-OFDM. *IEEE Photonics Technology Letters*, **2016**, 28, 233-236 | 2.2 | 18 |
| 127 | Structured Compressive Sensing-Based Spatio-Temporal Joint Channel Estimation for FDD Massive MIMO. *IEEE Transactions on Communications*, **2016**, 64, 601-617 | 6.9 | 123 |
| 126 | A Tight Upper Bound on Channel Capacity for Visible Light Communications. *IEEE Communications Letters*, **2016**, 20, 97-100 | 3.8 | 34 |
| 125 | . *IEEE Transactions on Vehicular Technology*, **2016**, 65, 5731-5737 | 6.8 | 58 |
| 124 | Near-Optimal Beam Selection for Beamspace MmWave Massive MIMO Systems. *IEEE Communications Letters*, **2016**, 20, 1054-1057 | 3.8 | 154 |
| 123 | Channel Estimation for Millimeter-Wave Massive MIMO With Hybrid Precoding Over Frequency-Selective Fading Channels. *IEEE Communications Letters*, **2016**, 20, 1259-1262 | 3.8 | 171 |
| 122 | BICM-ID scheme for clipped DCO-OFDM in visible light communications. *Optics Express*, **2016**, 24, 4573-4581 | 3.8 | 11 |
| 121 | Multi-User Sum-Rate Optimization for Visible Light Communications With Lighting Constraints. *Journal of Lightwave Technology*, **2016**, 34, 3943-3952 | 4 | 35 |

| | | | |
|---|---|---|---|
| 120 | Asymmetrical Hybrid Optical OFDM for Visible Light Communications With Dimming Control. *IEEE Photonics Technology Letters*, **2015**, 27, 974-977 | 2.2 | 85 |
| 119 | Unified Performance Analysis of Mixed Radio Frequency/Free-Space Optical Dual-Hop Transmission Systems. *Journal of Lightwave Technology*, **2015**, 33, 2286-2293 | 4 | 92 |
| 118 | Robust Preamble Design for Synchronization, Signaling Transmission, and Channel Estimation. *IEEE Transactions on Broadcasting*, **2015**, 61, 98-104 | 4.7 | 27 |
| 117 | On the Ergodic Capacity of MIMO Free-Space Optical Systems Over Turbulence Channels. *IEEE Journal on Selected Areas in Communications*, **2015**, 33, 1925-1934 | 14.2 | 43 |
| 116 | Visible light communications in heterogeneous networks: Paving the way for user-centric design. *IEEE Wireless Communications*, **2015**, 22, 8-16 | 13.4 | 109 |
| 115 | Smart Pilot Assignment for Massive MIMO. *IEEE Communications Letters*, **2015**, 19, 1644-1647 | 3.8 | 134 |
| 114 | Sparsity-Aware Adaptive Channel Estimation Based on SNR Detection. *IEEE Transactions on Broadcasting*, **2015**, 61, 119-126 | 4.7 | 7 |
| 113 | Layered ACO-OFDM for intensity-modulated direct-detection optical wireless transmission. *Optics Express*, **2015**, 23, 12382-93 | 3.3 | 135 |
| 112 | Performance optimisation for bit-interleaved coded modulation with iterative demapping with max-log- maximum a posterior detection. *IET Communications*, **2015**, 9, 1746-1753 | 1.3 | |
| 111 | . *IEEE Communications Magazine*, **2015**, 53, 74-81 | 9.1 | 1616 |
| 110 | . *IEEE Transactions on Signal Processing*, **2015**, 63, 6169-6183 | 4.8 | 330 |
| 109 | Coded MIMO With Asymmetric Constellation Sizes. *IEEE Transactions on Vehicular Technology*, **2015**, 64, 4338-4344 | 6.8 | |
| 108 | Compressive sensing-based differential channel feedback for massive MIMO. *Electronics Letters*, **2015**, 51, 1824-1826 | 1.1 | 9 |
| 107 | MmWave massive-MIMO-based wireless backhaul for the 5G ultra-dense network. *IEEE Wireless Communications*, **2015**, 22, 13-21 | 13.4 | 256 |
| 106 | Downlink training scheme for massive MIMO systems. *Electronics Letters*, **2015**, 51, 2059-2060 | 1.1 | 0 |
| 105 | Block compressive channel estimation and feedback for FDD massive MIMO **2015**, | | 6 |
| 104 | An optimal scaling scheme for DCO-OFDM based visible light communications. *Optics Communications*, **2015**, 356, 136-140 | 2 | 16 |
| 103 | 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 | 6.8 | 167 |

| | | | |
|---|---|---|---|
| 102 | . *IEEE Journal on Selected Areas in Communications*, **2015**, 33, 1903-1912 | 14.2 | 27 |
| 101 | Asymptotic Orthogonality Analysis of Time-Domain Sparse Massive MIMO Channels. *IEEE Communications Letters*, **2015**, 19, 1826-1829 | 3.8 | 34 |
| 100 | Graph Coloring Based Pilot Allocation to Mitigate Pilot Contamination for Multi-Cell Massive MIMO Systems. *IEEE Communications Letters*, **2015**, 19, 1842-1845 | 3.8 | 75 |
| 99 | A reduced-complexity demapping algorithm for BICM-ID systems. *IEEE Transactions on Vehicular Technology*, **2015**, 64, 4350-4356 | 6.8 | 8 |
| 98 | Joint CSIT acquisition based on low-rank matrix recovery for FDD massive MIMO systems **2015**, | | 1 |
| 97 | Joint channel estimation and feedback with low overhead for FDD massive MIMO systems **2015**, | | 8 |
| 96 | Effective Rate Analysis of MISO Systems over □ Fading Channels **2015**, | | 6 |
| 95 | Spatially correlated channel estimation based on block iterative support detection for massive MIMO systems. *Electronics Letters*, **2015**, 51, 587-588 | 1.1 | 11 |
| 94 | Compressive Sensing Based Multi-User Detection for Uplink Grant-Free Non-Orthogonal Multiple Access **2015**, | | 39 |
| 93 | MDP-based vertical handover scheme for indoor VLC-WiFi systems **2015**, | | 3 |
| 92 | Joint CSIT Acquisition Based on Low-Rank Matrix Completion for FDD Massive MIMO Systems. *IEEE Communications Letters*, **2015**, 19, 2178-2181 | 3.8 | 59 |
| 91 | Tracking a dynamic sparse channel via differential orthogonal matching pursuit **2015**, | | 13 |
| 90 | Multi-user MIMO-OFDM for indoor visible light communication systems **2015**, | | 2 |
| 89 | Location-based channel estimation and pilot assignment for massive MIMO systems **2015**, | | 30 |
| 88 | Effective capacity of communication systems over □shadowed fading channels. *Electronics Letters*, **2015**, 51, 1540-1542 | 1.1 | 49 |
| 87 | Fast variational Bayesian learning for channel estimation with prior statistical information **2015**, | | 4 |
| 86 | Temporal correlation based sparse channel estimation for TDS-OFDM in high-speed scenarios **2015**, | | 2 |
| 85 | Modified PTS-based PAPR reduction for ACO-OFDM in visible light communications. *Science China Information Sciences*, **2015**, 58, 1-3 | 3.4 | 1 |

| | | | |
|---|---|---|---|
| 84 | Video Streaming in the Multiuser Indoor Visible Light Downlink. *IEEE Access*, **2015**, 3, 2959-2986 | 3.5 | 12 |
| 83 | Multiuser MIMO-OFDM for Visible Light Communications. *IEEE Photonics Journal*, **2015**, 7, 1-11 | 1.8 | 75 |
| 82 | Efficient Vertical Handover Scheme for Heterogeneous VLC-RF Systems. *Journal of Optical Communications and Networking*, **2015**, 7, 1172 | 4.1 | 56 |
| 81 | 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 | 9.6 | 27 |
| 80 | . *IEEE Transactions on Vehicular Technology*, **2014**, 63, 119-130 | 6.8 | 33 |
| 79 | . *IEEE Transactions on Information Theory*, **2014**, 60, 3163-3171 | 2.8 | 3 |
| 78 | . *IEEE Transactions on Vehicular Technology*, **2014**, 63, 3196-3208 | 6.8 | 4 |
| 77 | . *IEEE Communications Letters*, **2014**, 18, 1657-1660 | 3.8 | 2 |
| 76 | A Markov Jump Process Model for Urban Vehicular Mobility: Modeling and Applications. *IEEE Transactions on Mobile Computing*, **2014**, 13, 1911-1926 | 4.6 | 13 |
| 75 | . *IEEE Transactions on Wireless Communications*, **2014**, 13, 3596-3608 | 9.6 | 55 |
| 74 | . *IEEE Transactions on Intelligent Transportation Systems*, **2014**, 15, 318-333 | 6.1 | 33 |
| 73 | Super-Resolution Sparse MIMO-OFDM Channel Estimation Based on Spatial and Temporal Correlations. *IEEE Communications Letters*, **2014**, 18, 1266-1269 | 3.8 | 54 |
| 72 | Multihop Free-Space Optical Communications Over Turbulence Channels with Pointing Errors using Heterodyne Detection. *Journal of Lightwave Technology*, **2014**, 32, 2597-2604 | 4 | 80 |
| 71 | . *IEEE Transactions on Mobile Computing*, **2014**, 13, 1579-1596 | 4.6 | 81 |
| 70 | Reliable and energy-efficient OFDM based on structured compressive sensing **2014**, | | 1 |
| 69 | Limits of Predictability for Large-Scale Urban Vehicular Mobility. *IEEE Transactions on Intelligent Transportation Systems*, **2014**, 15, 2671-2682 | 6.1 | 24 |
| 68 | Iterative Receiver for Hybrid Asymmetrically Clipped Optical OFDM. *Journal of Lightwave Technology*, **2014**, 32, 4471-4477 | 4 | 21 |
| 67 | Structured compressive sensing based superimposed pilot design in downlink large-scale MIMO systems. *Electronics Letters*, **2014**, 50, 896-898 | 1.1 | 75 |

| | | | |
|---|---|---|---|
| 66 | Simplified fault-tolerant FIR filter architecture based on redundant residue number system. *Electronics Letters*, **2014**, 50, 1768-1770 | 1.1 | 8 |
| 65 | An adaptive scaling and biasing scheme for OFDM-based visible light communication systems. *Optics Express*, **2014**, 22, 12707-15 | 3.3 | 35 |
| 64 | **2014**, | | 3 |
| 63 | Low-complexity near-optimal signal detection for uplink large-scale MIMO systems. *Electronics Letters*, **2014**, 50, 1326-1328 | 1.1 | 92 |
| 62 | Matrix inversion-less signal detection using SOR method for uplink large-scale MIMO systems **2014**, | | 40 |
| 61 | Efficient Multi-Service Allocation for Digital Terrestrial Broadcasting Systems. *IEICE Transactions on Communications*, **2014**, E97.B, 1977-1983 | 0.5 | 2 |
| 60 | Multi-Service MIMO Broadcasting with Different Receive Antennas. *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences*, **2014**, E97.A, 1994-1997 | 0.4 | 1 |
| 59 | Spectrally Efficient Time-Frequency Training OFDM for Mobile Large-Scale MIMO Systems. *IEEE Journal on Selected Areas in Communications*, **2013**, 31, 251-263 | 14.2 | 145 |
| 58 | . *IEEE Transactions on Vehicular Technology*, **2013**, 62, 2239-2252 | 6.8 | 10 |
| 57 | Compressive Sensing Based Time Domain Synchronous OFDM Transmission for Vehicular Communications. *IEEE Journal on Selected Areas in Communications*, **2013**, 31, 460-469 | 14.2 | 64 |
| 56 | Low complexity LDPC decoder with modified Sum-Product algorithm. *Tsinghua Science and Technology*, **2013**, 18, 57-61 | 3.4 | 6 |
| 55 | Flexible Multi-Block OFDM Transmission for High-Speed Fiber-Wireless Networks. *IEEE Journal on Selected Areas in Communications*, **2013**, 31, 788-796 | 14.2 | 4 |
| 54 | . *IEEE Transactions on Wireless Communications*, **2013**, 12, 6476-6487 | 9.6 | 6 |
| 53 | Spectrum-Efficient Coherent Optical OFDM for Transport Networks. *IEEE Journal on Selected Areas in Communications*, **2013**, 31, 62-74 | 14.2 | 7 |
| 52 | Spectrum- and Energy-Efficient OFDM Based on Simultaneous Multi-Channel Reconstruction. *IEEE Transactions on Signal Processing*, **2013**, 61, 6047-6059 | 4.8 | 78 |
| 51 | Enhancing the decoding performance of optical wireless communication systems using receiver-side predistortion. *Optics Express*, **2013**, 21, 30295-305 | 3.3 | 15 |
| 50 | Joint Time-Frequency Channel Estimation for Time Domain Synchronous OFDM Systems. *IEEE Transactions on Broadcasting*, **2013**, 59, 168-173 | 4.7 | 11 |
| 49 | Exponential and Power Law Distribution of Contact Duration in Urban Vehicular Ad Hoc Networks. *IEEE Signal Processing Letters*, **2013**, 20, 110-113 | 3.2 | 27 |

| | | | |
|---|---|---|---|
| 48 | Adaptive compressive sensing based channel estimation for TDS-OFDM systems **2013**, | | 3 |
| 47 | Fast Antijamming Timing Acquisition Using Multilayer Synchronization Sequence. *IEEE Transactions on Vehicular Technology*, **2013**, 62, 3497-3503 | 6.8 | 2 |
| 46 | Time domain synchronous OFDM based on simultaneous multi-channel reconstruction **2013**, | | 3 |
| 45 | An improved preamble design for broadcasting signalling with enhanced robustness **2013**, | | 3 |
| 44 | Online Content Dissemination in Hybrid Broadcast-Unicast Networks. *IEICE Transactions on Communications*, **2013**, E96.B, 1551-1558 | 0.5 | |
| 43 | . *IEEE Transactions on Vehicular Technology*, **2012**, 61, 311-320 | 6.8 | 28 |
| 42 | 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 | 14.2 | 74 |
| 41 | Wireless Positioning Using TDS-OFDM Signals in Single-Frequency Networks. *IEEE Transactions on Broadcasting*, **2012**, 58, 236-246 | 4.7 | 24 |
| 40 | Priori information aided compressive sensing for time domain synchronous OFDM. *Electronics Letters*, **2012**, 48, 800 | 1.1 | 6 |
| 39 | Simplified Soft Demapper for APSK with Product Constellation Labeling. *IEEE Transactions on Wireless Communications*, **2012**, 11, 2649-2657 | 9.6 | 29 |
| 38 | Next-generation digital television terrestrial broadcasting systems: Key technologies and research trends **2012**, 50, 150-158 | | 107 |
| 37 | Evaluating the effects of node cooperation on DTN routing. *AEU - International Journal of Electronics and Communications*, **2012**, 66, 62-67 | 2.8 | 15 |
| 36 | Improved frame structure for TDS-OFDM systems. *Electronics Letters*, **2012**, 48, 1024-1026 | 1.1 | 2 |
| 35 | Collaborative Vehicular Content Dissemination with Directional Antennas. *IEEE Transactions on Wireless Communications*, **2012**, 11, 1301-1306 | 9.6 | 25 |
| 34 | Markov Decision Process based content dissemination in hybrid wireless networks **2012**, | | 3 |
| 33 | A Flexible Superframe Structure Supporting Localization for TDS-OFDM. *IEICE Transactions on Communications*, **2012**, E95.B, 3922-3924 | 0.5 | |
| 32 | Terahertz Terabit Wireless Communication. *IEEE Microwave Magazine*, **2011**, 12, 108-116 | 1.2 | 122 |
| 31 | Reliable Multi-Path Routing With Bandwidth and Delay Constraints. *Intelligent Automation and Soft Computing*, **2011**, 17, 1125-1137 | 2.6 | |

| | | | |
|---|---|---|---|
| 30 | Pilot Design and Channel Estimation for TDS-OFDM System with Transmit Diversity. *IEICE Transactions on Communications*, **2011**, E94-B, 852-855 | 0.5 | 1 |
| 29 | Low-Complexity Iterative Frequency Domain Decision Feedback Equalization. *IEEE Transactions on Vehicular Technology*, **2011**, 60, 1295-1301 | 6.8 | 29 |
| 28 | Preamble Design Using Embedded Signaling for OFDM Broadcast Systems Based on Reduced-Complexity Distance Detection. *IEEE Transactions on Vehicular Technology*, **2011**, 60, 1217-1222 | 6.8 | 41 |
| 27 | Irregular Mapping and its Application in Bit-Interleaved LDPC Coded Modulation With Iterative Demapping and Decoding. *IEEE Transactions on Broadcasting*, **2011**, 57, 707-712 | 4.7 | 11 |
| 26 | TDS-OFDMA: a novel multiple access system based on TDS-OFDM. *IEEE Transactions on Consumer Electronics*, **2011**, 57, 1528-1534 | 4.8 | 2 |
| 25 | Transmit Diversity for TDS-OFDM Broadcasting System Over Doubly Selective Fading Channels. *IEEE Transactions on Broadcasting*, **2011**, 57, 135-142 | 4.7 | 21 |
| 24 | A Novel Uplink Multiple Access Scheme Based on TDS-FDMA. *IEEE Transactions on Wireless Communications*, **2011**, 10, 757-761 | 9.6 | 22 |
| 23 | Positioning in Chinese Digital Television Network Using TDS-OFDM Signals **2011**, | | 2 |
| 22 | Coded Modulation with Signal Space Diversity. *IEEE Transactions on Wireless Communications*, **2011**, 10, 660-669 | 9.6 | 27 |
| 21 | Complexity Reduced Transmit Diversity Scheme for Time Domain Synchronous OFDM Systems. *IEICE Transactions on Communications*, **2011**, E94-B, 3116-3124 | 0.5 | |
| 20 | A Novel BICM-ID System Approaching Shannon-Limit at High Spectrum Efficiency. *IEICE Transactions on Communications*, **2011**, E94-B, 793-795 | 0.5 | 21 |
| 19 | Robust Physical Layer Signaling Transmission over OFDM Systems. *IEICE Transactions on Communications*, **2011**, E94-B, 2900-2902 | 0.5 | 1 |
| 18 | BICM-ID with 3-Dimensional BPSK and Signal Space Diversity over Rayleigh Channel. *IEICE Transactions on Communications*, **2011**, E94-B, 282-284 | 0.5 | 0 |
| 17 | BICM-ID Systems with Signal Space Diversity over Rayleigh Fading Channels **2010**, | | 3 |
| 16 | A Novel TDS-FDMA Scheme for Multi-User Uplink Scenarios **2010**, | | 1 |
| 15 | TDS-OFDM Transmit Diversity Based on Space-Time Shifted CAZAC Sequence **2010**, | | 2 |
| 14 | Capacity Study of Virtual MIMO Uplink OFDMA Cellular System with Cochannel Interference **2010**, | | 1 |
| 13 | A novel time-domain synchronous block transmission frame structure for broadcasting return channel. *IEEE Transactions on Consumer Electronics*, **2010**, 56, 366-373 | 4.8 | 0 |

| | | | |
|---|---|---|---|
| 12 | Positioning with OFDM signals for the next- generation GNSS. *IEEE Transactions on Consumer Electronics*, **2010**, 56, 374-379 | 4.8 | 38 |
| 11 | Joint channel estimation and time-frequency synchronization for uplink TDS-OFDMA systems. *IEEE Transactions on Consumer Electronics*, **2010**, 56, 494-500 | 4.8 | 16 |
| 10 | Secure communication in TDS-OFDM system using constellation rotation and noise insertion. *IEEE Transactions on Consumer Electronics*, **2010**, 56, 1328-1332 | 4.8 | 41 |
| 9 | Synchronization for TDS-OFDM over multipath fading channels. *IEEE Transactions on Consumer Electronics*, **2010**, 56, 2141-2147 | 4.8 | 16 |
| 8 | Joint Code Acquisition and Doppler Frequency Shift Estimation for GPS Signals **2010**, | | 3 |
| 7 | Technical Review for Chinese Future DTTB System **2010**, | | 1 |
| 6 | 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 | 0.4 | |
| 5 | Frequency Domain Decision Feedback Equalization for Uplink SC-FDMA. *IEEE Transactions on Broadcasting*, **2010**, 56, 253-257 | 4.7 | 33 |
| 4 | Improved Channel Estimation for TDS-OFDM Based on Flexible Frequency-Binary Padding. *IEEE Transactions on Broadcasting*, **2010**, 56, 418-424 | 4.7 | 13 |
| 3 | Millimeter-wave circular polarized beam-steering antenna array for gigabit wireless communications. *IEEE Transactions on Antennas and Propagation*, **2006**, 54, 743-746 | 4.9 | 41 |
| 2 | V-band patch-fed rod antennas for high data-rate wireless communications. *IEEE Transactions on Antennas and Propagation*, **2006**, 54, 297-300 | 4.9 | 15 |
| 1 | Frequency reuse scheme for cellular OFDM systems. *Electronics Letters*, **2002**, 38, 387 | 1.1 | 40 |