# Zidong Wu

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 156 papers | 6,387 citations | 44 h-index | 77 g-index |
| 169 ext. papers | 8,245 ext. citations | 5.4 avg, IF | 6.75 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 156 | Channel Estimation for Extremely Large-Scale MIMO: Far-Field or Near-Field?. *IEEE Transactions on Communications*, **2022**, 1-1 | 6.9 | 14 |
| 155 | Reconfigurable Intelligent Surface Empowered Optimization for Spectrum Sharing: Scenarios and Methods. *IEEE Vehicular Technology Magazine*, **2022**, 2-9 | 9.9 | 3 |
| 154 | Delay-Phase Precoding for Wideband THz Massive MIMO. *IEEE Transactions on Wireless Communications*, **2022**, 1-1 | 9.6 | 12 |
| 153 | End-to-End Learning for RIS-Aided Communication Systems. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1 | 6.8 | 0 |
| 152 | Residual-Aided End-to-End Learning of Communication System without Known Channel. *IEEE Transactions on Cognitive Communications and Networking*, **2022**, 1-1 | 6.6 | 1 |
| 151 | Distributed Machine Learning Based Downlink Channel Estimation for RIS Assisted Wireless Communications. *IEEE Transactions on Communications*, **2022**, 1-1 | 6.9 | 0 |
| 150 | Active Reconfigurable Intelligent Surface: Fully-Connected or Sub-Connected?. *IEEE Communications Letters*, **2021**, 1-1 | 3.8 | 19 |
| 149 | Compact User-Specific Reconfigurable Intelligent Surfaces for Uplink Transmission. *IEEE Transactions on Communications*, **2021**, 1-1 | 6.9 | 8 |
| 148 | Channel Estimation for Extremely Large-Scale Massive MIMO: Far-Field, Near-Field, or Hybrid-Field?. *IEEE Communications Letters*, **2021**, 1-1 | 3.8 | 3 |
| 147 | Channel Feedback in TDD Massive MIMO Systems with Partial Reciprocity. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1 | 6.8 | 3 |
| 146 | Channel Estimation for RIS Assisted Wireless Communications—Part I: Fundamentals, Solutions, and Future Opportunities. *IEEE Communications Letters*, **2021**, 25, 1398-1402 | 3.8 | 23 |
| 145 | Channel Estimation for RIS Assisted Wireless Communications—Part II: An Improved Solution Based on Double-Structured Sparsity. *IEEE Communications Letters*, **2021**, 25, 1403-1407 | 3.8 | 35 |
| 144 | End-to-End Learning of Communication System without Known Channel **2021**, | | 2 |
| 143 | Deep Learning for Beamspace Channel Estimation in Millimeter-Wave Massive MIMO Systems. *IEEE Transactions on Communications*, **2021**, 69, 182-193 | 6.9 | 32 |
| 142 | Dimension Reduced Channel Feedback for Reconfigurable Intelligent Surface Aided Wireless Communications. *IEEE Transactions on Communications*, **2021**, 1-1 | 6.9 | 9 |
| 141 | A Joint Precoding Framework for Wideband Reconfigurable Intelligent Surface-Aided Cell-Free Network. *IEEE Transactions on Signal Processing*, **2021**, 69, 4085-4101 | 4.8 | 44 |
| 140 | Max-Min Fairness for Beamspace MIMO-NOMA: From Single-Beam to Multi-Beam. *IEEE Transactions on Wireless Communications*, **2021**, 1-1 | 9.6 | 2 |

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| 139 | Two-Timescale Channel Estimation for Reconfigurable Intelligent Surface Aided Wireless Communications. *IEEE Transactions on Communications*, **2021**, 1-1 | 6.9 | 59 |
| 138 | Near-Field Channel Estimation for Extremely Large-scale MIMO with Hybrid Precoding **2021**, | | 2 |
| 137 | Deep Learning-Based mmWave Beam Selection for 5G NR/6G With Sub-6 GHz Channel Information: Algorithms and Prototype Validation. *IEEE Access*, **2020**, 8, 51634-51646 | 3.5 | 51 |
| 136 | Reconfigurable Intelligent Surface-Based Wireless Communications: Antenna Design, Prototyping, and Experimental Results. *IEEE Access*, **2020**, 8, 45913-45923 | 3.5 | 190 |
| 135 | Partially Coherent Compressive Phase Retrieval for Millimeter-Wave Massive MIMO Channel Estimation. *IEEE Transactions on Signal Processing*, **2020**, 68, 1673-1687 | 4.8 | 9 |
| 134 | Wideband Beam Tracking Based on Beam Zooming for THz Massive MIMO **2020**, | | 2 |
| 133 | Channel Feedback for Reconfigurable Intelligent Surface Assisted Wireless Communications **2020**, | | 2 |
| 132 | On the Max-Min Fairness of Beamspace MIMO-NOMA. *IEEE Transactions on Signal Processing*, **2020**, 68, 4919-4932 | 4.8 | 10 |
| 131 | Capacity Improvement in Wideband Reconfigurable Intelligent Surface-Aided Cell-Free Network **2020**, | | 25 |
| 130 | Channel Estimation for Orthogonal Time Frequency Space (OTFS) Massive MIMO **2019**, | | 7 |
| 129 | Optimal 3D-Trajectory Design and Resource Allocation for Solar-Powered UAV Communication Systems. *IEEE Transactions on Communications*, **2019**, 67, 4281-4298 | 6.9 | 188 |
| 128 | Wideband Beamspace Channel Estimation for Millimeter-Wave MIMO Systems Relying on Lens Antenna Arrays. *IEEE Transactions on Signal Processing*, **2019**, 67, 4809-4824 | 4.8 | 48 |
| 127 | Channel Estimation for Orthogonal Time Frequency Space (OTFS) Massive MIMO. *IEEE Transactions on Signal Processing*, **2019**, 67, 4204-4217 | 4.8 | 74 |
| 126 | On the Power Leakage Problem in Millimeter-Wave Massive MIMO With Lens Antenna Arrays. *IEEE Transactions on Signal Processing*, **2019**, 67, 4730-4744 | 4.8 | 23 |
| 125 | Power Allocation for Multi-Beam Max-Min Fairness in Millimeter-Wave Beamspace MIMO-NOMA **2019**, | | 1 |
| 124 | Delay-Phase Precoding for THz Massive MIMO with Beam Split **2019**, | | 23 |
| 123 | Mixed-ADC/DAC Multipair Massive MIMO Relaying Systems: Performance Analysis and Power Optimization. *IEEE Transactions on Communications*, **2019**, 67, 140-153 | 6.9 | 88 |
| 122 | Hybrid Precoding-Based Millimeter-Wave Massive MIMO-NOMA With Simultaneous Wireless Information and Power Transfer. *IEEE Journal on Selected Areas in Communications*, **2019**, 37, 131-141 | 14.2 | 144 |

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|---|---|---|---|
| 121 | Low RF-Complexity Technologies to Enable Millimeter-Wave MIMO with Large Antenna Array for 5G Wireless Communications. *IEEE Communications Magazine*, **2018**, 56, 211-217 | 9.1 | 107 |
| 120 | Relay Hybrid Precoding Design in Millimeter-Wave Massive MIMO Systems. *IEEE Transactions on Signal Processing*, **2018**, 66, 2011-2026 | 4.8 | 29 |
| 119 | Millimeter-Wave Massive MIMO Communication for Future Wireless Systems: A Survey. *IEEE Communications Surveys and Tutorials*, **2018**, 20, 836-869 | 37.1 | 267 |
| 118 | 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 |
| 117 | Channel Feedback Based on AoD-Adaptive Subspace Codebook in FDD Massive MIMO Systems. *IEEE Transactions on Communications*, **2018**, 66, 5235-5248 | 6.9 | 51 |
| 116 | A Survey of Non-Orthogonal Multiple Access for 5G. *IEEE Communications Surveys and Tutorials*, **2018**, 20, 2294-2323 | 37.1 | 501 |
| 115 | Beamspace Channel Estimation for Wideband Millimeter-Wave MIMO with Lens Antenna Array **2018**, | | 13 |
| 114 | Super-Resolution Channel Estimation for MmWave Massive MIMO With Hybrid Precoding. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 8954-8958 | 6.8 | 59 |
| 113 | Weighted-Graph-Coloring-Based Pilot Decontamination for Multicell Massive MIMO Systems. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 2829-2834 | 6.8 | 45 |
| 112 | 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 |
| 111 | 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 |
| 110 | NOMA Meets Finite Resolution Analog Beamforming in Massive MIMO and Millimeter-Wave Networks. *IEEE Communications Letters*, **2017**, 21, 1879-1882 | 3.8 | 54 |
| 109 | Performance Analysis of Mixed-ADC Massive MIMO Systems Over Rician Fading Channels. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 1327-1338 | 14.2 | 160 |
| 108 | Angle-based codebook for low-resolution hybrid precoding in millimeter-wave massive MIMO systems **2017**, | | 6 |
| 107 | Performance Analysis of a Hybrid Downlink-Uplink Cooperative NOMA Scheme **2017**, | | 24 |
| 106 | Machine learning inspired energy-efficient hybrid precoding for mmWave massive MIMO systems **2017**, | | 89 |
| 105 | AoD-adaptive subspace codebook for channel feedback in FDD massive MIMO systems **2017**, | | 11 |
| 104 | A Novel Low-Complexity Precoding Algorithm for MIMO Cognitive Radio Systems. *Wireless Personal Communications*, **2017**, 97, 5077-5088 | 1.9 | |

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| 103 | 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 |
| 102 | Reliable Beamspace Channel Estimation for Millimeter-Wave Massive MIMO Systems with Lens Antenna Array. *IEEE Transactions on Wireless Communications*, **2017**, 16, 6010-6021 | 9.6 | 115 |
| 101 | Optimal FemtoCell Density for Maximizing Throughput in 5G Heterogeneous Networks under Outage Constraints **2017**, | | 2 |
| 100 | Beamspace MIMO-NOMA for Millimeter-Wave Communications Using Lens Antenna Arrays **2017**, | | 15 |
| 99 | Multipair Massive MIMO Two-Way Full-Duplex Relay Systems with Hardware Impairments **2017**, | | 16 |
| 98 | A Low-Complexity Hardware-Friendly DFT-Based Channel Estimator for the LTE Uplink Channel. *Wireless Personal Communications*, **2017**, 97, 4813-4825 | 1.9 | 0 |
| 97 | On the Power Leakage Problem in Beamspace MIMO Systems with Lens Antenna Array **2017**, | | 5 |
| 96 | Channel estimation for mmWave massive MIMO based access and backhaul in ultra-dense network **2016**, | | 35 |
| 95 | Two-stage beamforming training for multi-user millimetre wave systems. *Electronics Letters*, **2016**, 52, 1351-1353 | 1.1 | 0 |
| 94 | Massive MIMO channel estimation based on block iterative support detection **2016**, | | 2 |
| 93 | On the spectral efficiency of space-constrained massive MIMO with linear receivers **2016**, | | 7 |
| 92 | Dynamic Compressive Sensing-Based Multi-User Detection for Uplink Grant-Free NOMA. *IEEE Communications Letters*, **2016**, 20, 2320-2323 | 3.8 | 116 |
| 91 | Correntropy Induced Metric Penalized Sparse RLS Algorithm to Improve Adaptive System Identification **2016**, | | 2 |
| 90 | Dynamic multi-user detection based on structured compressive sensing for IoT-oriented 5G systems **2016**, | | 2 |
| 89 | Beamspace channel estimation for millimeter-wave massive MIMO systems with lens antenna array **2016**, | | 29 |
| 88 | Energy Efficiency Maximization for Device-to-Device Communication Underlaying Cellular Networks on Multiple Bands. *IEEE Access*, **2016**, 4, 7682-7691 | 3.5 | 18 |
| 87 | Dimmable Visible Light Communications Based on Multilayer ACO-OFDM. *IEEE Photonics Journal*, **2016**, 8, 1-11 | 1.8 | 27 |
| 86 | Joint User Activity and Data Detection Based on Structured Compressive Sensing for NOMA. *IEEE Communications Letters*, **2016**, 1-1 | 3.8 | 76 |

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| 85 | Location-Aware Pilot Assignment for Massive MIMO Systems in Heterogeneous Networks. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 6815-6821 | 6.8 | 24 |
| 84 | On the Multivariate Gamma□Gamma Distribution With Arbitrary Correlation and Applications in Wireless Communications. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 3834-3840 | 6.8 | 34 |
| 83 | Joint Channel Training and Feedback for FDD Massive MIMO Systems. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 8762-8767 | 6.8 | 36 |
| 82 | Achievable Rate of Rician Large-Scale MIMO Channels With Transceiver Hardware Impairments. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 8800-8806 | 6.8 | 63 |
| 81 | Compressive-Sensing-Based Multiuser Detector for the Large-Scale SM-MIMO Uplink. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 8725-8730 | 6.8 | 33 |
| 80 | Low-Complexity SSOR-Based Precoding for Massive MIMO Systems. *IEEE Communications Letters*, **2016**, 20, 744-747 | 3.8 | 31 |
| 79 | Adaptive Hybrid Precoding for Multiuser Massive MIMO. *IEEE Communications Letters*, **2016**, 20, 776-779 | 3.8 | 50 |
| 78 | On the Spectral Efficiency of Massive MIMO Systems With Low-Resolution ADCs. *IEEE Communications Letters*, **2016**, 20, 842-845 | 3.8 | 163 |
| 77 | Improved Receiver Design for Layered ACO-OFDM in Optical Wireless Communications. *IEEE Photonics Technology Letters*, **2016**, 28, 319-322 | 2.2 | 25 |
| 76 | Near-Optimal Low-Complexity Sequence Detection for Clipped DCO-OFDM. *IEEE Photonics Technology Letters*, **2016**, 28, 233-236 | 2.2 | 18 |
| 75 | Structured Compressive Sensing-Based Spatio-Temporal Joint Channel Estimation for FDD Massive MIMO. *IEEE Transactions on Communications*, **2016**, 64, 601-617 | 6.9 | 123 |
| 74 | A Tight Upper Bound on Channel Capacity for Visible Light Communications. *IEEE Communications Letters*, **2016**, 20, 97-100 | 3.8 | 34 |
| 73 | Priori-aided channel tracking for millimeter-Wave beamspace massive MIMO systems **2016**, | | 10 |
| 72 | Beamspace channel estimation for 3D lens-based millimeter-wave massive MIMO systems **2016**, | | 8 |
| 71 | Near-Optimal Beam Selection for Beamspace MmWave Massive MIMO Systems. *IEEE Communications Letters*, **2016**, 20, 1054-1057 | 3.8 | 154 |
| 70 | MIMO-NOMA Design for Small Packet Transmission in the Internet of Things. *IEEE Access*, **2016**, 4, 1393-1405 | 3.5 | 174 |
| 69 | 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 |
| 68 | Multi-User Sum-Rate Optimization for Visible Light Communications With Lighting Constraints. *Journal of Lightwave Technology*, **2016**, 34, 3943-3952 | 4 | 35 |

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| 67 | Asymmetrical Hybrid Optical OFDM for Visible Light Communications With Dimming Control. *IEEE Photonics Technology Letters*, **2015**, 27, 974-977 | 2.2 | 85 |
| 66 | Unified Performance Analysis of Mixed Radio Frequency/Free-Space Optical Dual-Hop Transmission Systems. *Journal of Lightwave Technology*, **2015**, 33, 2286-2293 | 4 | 92 |
| 65 | 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 |
| 64 | Smart Pilot Assignment for Massive MIMO. *IEEE Communications Letters*, **2015**, 19, 1644-1647 | 3.8 | 134 |
| 63 | Coded MIMO With Asymmetric Constellation Sizes. *IEEE Transactions on Vehicular Technology*, **2015**, 64, 4338-4344 | 6.8 | |
| 62 | Compressive sensing-based differential channel feedback for massive MIMO. *Electronics Letters*, **2015**, 51, 1824-1826 | 1.1 | 9 |
| 61 | Downlink training scheme for massive MIMO systems. *Electronics Letters*, **2015**, 51, 2059-2060 | 1.1 | 0 |
| 60 | Block compressive channel estimation and feedback for FDD massive MIMO **2015**, | | 6 |
| 59 | Asymptotic Orthogonality Analysis of Time-Domain Sparse Massive MIMO Channels. *IEEE Communications Letters*, **2015**, 19, 1826-1829 | 3.8 | 34 |
| 58 | 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 |
| 57 | Joint CSIT acquisition based on low-rank matrix recovery for FDD massive MIMO systems **2015**, | | 1 |
| 56 | Joint channel estimation and feedback with low overhead for FDD massive MIMO systems **2015**, | | 8 |
| 55 | Structured Matching Pursuit for Reconstruction of Dynamic Sparse Channels **2015**, | | 5 |
| 54 | Spatially correlated channel estimation based on block iterative support detection for massive MIMO systems. *Electronics Letters*, **2015**, 51, 587-588 | 1.1 | 11 |
| 53 | Compressive Sensing Based Multi-User Detection for Uplink Grant-Free Non-Orthogonal Multiple Access **2015**, | | 39 |
| 52 | Capacity-approaching linear precoding with low-complexity for large-scale MIMO systems **2015**, | | 18 |
| 51 | MDP-based vertical handover scheme for indoor VLC-WiFi systems **2015**, | | 3 |
| 50 | Joint CSIT Acquisition Based on Low-Rank Matrix Completion for FDD Massive MIMO Systems. *IEEE Communications Letters*, **2015**, 19, 2178-2181 | 3.8 | 59 |

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| 49 | Tracking a dynamic sparse channel via differential orthogonal matching pursuit **2015**, | | 13 |
| 48 | Multi-user MIMO-OFDM for indoor visible light communication systems **2015**, | | 2 |
| 47 | Location-based channel estimation and pilot assignment for massive MIMO systems **2015**, | | 30 |
| 46 | Energy-efficient hybrid precoding based on successive interference cancelation for millimeter-wave massive MIMO systems **2015**, | | 1 |
| 45 | Effective capacity of communication systems over shadowed fading channels. *Electronics Letters*, **2015**, 51, 1540-1542 | 1.1 | 49 |
| 44 | Fast variational Bayesian learning for channel estimation with prior statistical information **2015**, | | 4 |
| 43 | Temporal correlation based sparse channel estimation for TDS-OFDM in high-speed scenarios **2015**, | | 2 |
| 42 | Multiuser MIMO-OFDM for Visible Light Communications. *IEEE Photonics Journal*, **2015**, 7, 1-11 | 1.8 | 75 |
| 41 | Spectrum-efficient superimposed pilot design based on structured compressive sensing for downlink large-scale MIMO systems **2014**, | | 2 |
| 40 | Super-Resolution Sparse MIMO-OFDM Channel Estimation Based on Spatial and Temporal Correlations. *IEEE Communications Letters*, **2014**, 18, 1266-1269 | 3.8 | 54 |
| 39 | Reliable and energy-efficient OFDM based on structured compressive sensing **2014**, | | 1 |
| 38 | Compressive Sensing Based Channel Estimation for OFDM Systems Under Long Delay Channels. *IEEE Transactions on Broadcasting*, **2014**, 60, 313-321 | 4.7 | 86 |
| 37 | Structured Matching Pursuit for Reconstruction of Dynamic Sparse Channels **2014**, | | 1 |
| 36 | Iterative Receiver for Hybrid Asymmetrically Clipped Optical OFDM. *Journal of Lightwave Technology*, **2014**, 32, 4471-4477 | 4 | 21 |
| 35 | Structured compressive sensing based superimposed pilot design in downlink large-scale MIMO systems. *Electronics Letters*, **2014**, 50, 896-898 | 1.1 | 75 |
| 34 | Low-Complexity MMSE Signal Detection Based on Richardson Method for Large-Scale MIMO Systems **2014**, | | 31 |
| 33 | Variable earns profit: Improved adaptive channel estimation using sparse VSS-NLMS algorithms **2014**, | | 13 |
| 32 | Low-complexity near-optimal signal detection for uplink large-scale MIMO systems. *Electronics Letters*, **2014**, 50, 1326-1328 | 1.1 | 92 |

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| 31 | Matrix inversion-less signal detection using SOR method for uplink large-scale MIMO systems **2014**, | | 40 |
| 30 | 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 |
| 29 | 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 |
| 28 | TDS-OFDM based HDTV transmission over fast fading channels. *IEEE Transactions on Consumer Electronics*, **2013**, 59, 16-23 | 4.8 | 3 |
| 27 | 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 |
| 26 | Spectrum-Efficient Coherent Optical OFDM for Transport Networks. *IEEE Journal on Selected Areas in Communications*, **2013**, 31, 62-74 | 14.2 | 7 |
| 25 | Spectrum- and Energy-Efficient OFDM Based on Simultaneous Multi-Channel Reconstruction. *IEEE Transactions on Signal Processing*, **2013**, 61, 6047-6059 | 4.8 | 78 |
| 24 | Joint Time-Frequency Channel Estimation for Time Domain Synchronous OFDM Systems. *IEEE Transactions on Broadcasting*, **2013**, 59, 168-173 | 4.7 | 11 |
| 23 | Time domain synchronous OFDM based on simultaneous multi-channel reconstruction **2013**, | | 3 |
| 22 | Unified Time-Frequency OFDM Transmission with Self Interference Cancellation. *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences*, **2013**, E96.A, 807-813 | 0.4 | 4 |
| 21 | 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 |
| 20 | Wireless Positioning Using TDS-OFDM Signals in Single-Frequency Networks. *IEEE Transactions on Broadcasting*, **2012**, 58, 236-246 | 4.7 | 24 |
| 19 | Next-generation digital television terrestrial broadcasting systems: Key technologies and research trends **2012**, 50, 150-158 | | 107 |
| 18 | Time domain synchronous OFDM based on compressive sensing: A new perspective **2012**, | | 5 |
| 17 | Pilot Design and Channel Estimation for TDS-OFDM System with Transmit Diversity. *IEICE Transactions on Communications*, **2011**, E94-B, 852-855 | 0.5 | 1 |
| 16 | TDS-OFDMA: a novel multiple access system based on TDS-OFDM. *IEEE Transactions on Consumer Electronics*, **2011**, 57, 1528-1534 | 4.8 | 2 |
| 15 | Transmit Diversity for TDS-OFDM Broadcasting System Over Doubly Selective Fading Channels. *IEEE Transactions on Broadcasting*, **2011**, 57, 135-142 | 4.7 | 21 |
| 14 | A Novel Uplink Multiple Access Scheme Based on TDS-FDMA. *IEEE Transactions on Wireless Communications*, **2011**, 10, 757-761 | 9.6 | 22 |

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| 13 | Transmit Diversity Scheme for TDS-OFDM Systems with Reduced Complexity **2011**, | | 1 |
| 12 | Positioning in Chinese Digital Television Network Using TDS-OFDM Signals **2011**, | | 2 |
| 11 | Complexity Reduced Transmit Diversity Scheme for Time Domain Synchronous OFDM Systems. *IEICE Transactions on Communications*, **2011**, E94-B, 3116-3124 | 0.5 | |
| 10 | LDPC coded TDS-OFDM for PLC systems. *Tsinghua Science and Technology*, **2010**, 15, 312-318 | 3.4 | 3 |
| 9 | A Novel TDS-FDMA Scheme for Multi-User Uplink Scenarios **2010**, | | 1 |
| 8 | TDS-OFDM Transmit Diversity Based on Space-Time Shifted CAZAC Sequence **2010**, | | 2 |
| 7 | Positioning with OFDM signals for the next- generation GNSS. *IEEE Transactions on Consumer Electronics*, **2010**, 56, 374-379 | 4.8 | 38 |
| 6 | Joint channel estimation and time-frequency synchronization for uplink TDS-OFDMA systems. *IEEE Transactions on Consumer Electronics*, **2010**, 56, 494-500 | 4.8 | 16 |
| 5 | Secure communication in TDS-OFDM system using constellation rotation and noise insertion. *IEEE Transactions on Consumer Electronics*, **2010**, 56, 1328-1332 | 4.8 | 41 |
| 4 | Joint Code Acquisition and Doppler Frequency Shift Estimation for GPS Signals **2010**, | | 3 |
| 3 | 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 | |
| 2 | A Novel CPR-TDS-OFDM System for High-Speed Mobile Reception. *IEICE Transactions on Communications*, **2010**, E93-B, 788-791 | 0.5 | 2 |
| 1 | A multi-user uplink TDS-OFDM system based on dual PN sequence padding. *IEEE Transactions on Consumer Electronics*, **2009**, 55, 1098-1106 | 4.8 | 6 |