# Arnold Lee Swindlehurst

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 335 papers | 21,210 citations | 31976<br>53 h-index | 12946<br>131 g-index |
| 337 all docs | 337 docs citations | 337 times ranked | 9403 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | A Scalable Open-Set ECG Identification System Based on Compressed CNNs. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4966-4980. | 11.3 | 4 |
| 2 | Channel Estimation for RIS-Aided Multiuser Millimeter-Wave Systems. IEEE Transactions on Signal Processing, 2022, 70, 1478-1492. | 5.3 | 72 |
| 3 | Joint Waveform and Filter Designs for STAP-SLP-Based MIMO-DFRC Systems. IEEE Journal on Selected Areas in Communications, 2022, 40, 1918-1931. | 14.0 | 28 |
| 4 | Channel Estimation With Reconfigurable Intelligent Surfaces—A General Framework. Proceedings of the IEEE, 2022, 110, 1312-1338. | 21.3 | 65 |
| 5 | ECG Biometric Recognition: Unlinkability, Irreversibility, and Security. IEEE Internet of Things Journal, 2021, 8, 487-500. | 8.7 | 18 |
| 6 | Joint Symbol-Level Precoding and Reflecting Designs for IRS-Enhanced MU-MISO Systems. IEEE Transactions on Wireless Communications, 2021, 20, 798-811. | 9.2 | 49 |
| 7 | Interference Exploitation Precoding for Multi-Level Modulations: Closed-Form Solutions. IEEE Transactions on Communications, 2021, 69, 291-308. | 7.8 | 60 |
| 8 | Power-based Capon beamforming: Avoiding the cancellation effects of GNSS multipath. Signal Processing, 2021, 180, 107891. | 3.7 | 7 |
| 9 | Rethinking Secure Precoding via Interference Exploitation: A Smart Eavesdropper Perspective. IEEE Transactions on Information Forensics and Security, 2021, 16, 585-600. | 6.9 | 14 |
| 10 | Generative-Adversarial-Network Enabled Signal Detection for Communication Systems With Unknown Channel Models. IEEE Journal on Selected Areas in Communications, 2021, 39, 47-60. | 14.0 | 19 |
| 11 | A Generalizable Model-and-Data Driven Approach for Open-Set RFF Authentication. IEEE Transactions on Information Forensics and Security, 2021, 16, 4435-4450. | 6.9 | 42 |
| 12 | Secure Communication for Spatially Correlated Massive MIMO with Low-Resolution DACs. IEEE Wireless Communications Letters, 2021, , 1-1. | 5.0 | 3 |
| 13 | Multiuser Full-Duplex Two-Way Communications via Intelligent Reflecting Surface. IEEE Transactions on Signal Processing, 2021, 69, 837-851. | 5.3 | 82 |
| 14 | Dual-Functional Radar-Communication Waveform Design: A Symbol-Level Precoding Approach. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 1316-1331. | 10.8 | 45 |
| 15 | Reduced Complexity Precoding for One-Bit Signaling. IEEE Transactions on Vehicular Technology, 2021, 70, 1967-1971. | 6.3 | 4 |
| 16 | Wireless Physical-Layer Surveillance via Proactive Eavesdropping and Alternate Jamming. , 2021, , . | | 1 |
| 17 | 1-Bit Massive MIMO Transmission: Embracing Interference with Symbol-Level Precoding. IEEE Communications Magazine, 2021, 59, 121-127. | 6.1 | 79 |
| 18 | Reconfigurable Intelligent Surfaces for 6G Systems: Principles, Applications, and Research Directions. IEEE Communications Magazine, 2021, 59, 14-20. | 6.1 | 354 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | DNN-based Detectors for Massive MIMO Systems with Low-Resolution ADCs. , 2021, , . | | 8 |
| 20 | Intelligent Reflecting Surface Based Passive Information Transmission: A Symbol-Level Precoding Approach. IEEE Transactions on Vehicular Technology, 2021, 70, 6735-6749. | 6.3 | 15 |
| 21 | UAV-Assisted Intelligent Reflecting Surface Symbiotic Radio System. IEEE Transactions on Wireless Communications, 2021, 20, 5769-5785. | 9.2 | 111 |
| 22 | Guest Editorial Special Issue on UAV Communications in 5G and Beyond Networks—Part I. IEEE Journal on Selected Areas in Communications, 2021, 39, 2907-2911. | 14.0 | 2 |
| 23 | A Comprehensive Overview on 5G-and-Beyond Networks With UAVs: From Communications to Sensing and Intelligence. IEEE Journal on Selected Areas in Communications, 2021, 39, 2912-2945. | 14.0 | 202 |
| 24 | SVM-Based Channel Estimation and Data Detection for One-Bit Massive MIMO Systems. IEEE Transactions on Signal Processing, 2021, 69, 2086-2099. | 5.3 | 33 |
| 25 | Alternate-Jamming-Aided Wireless Physical-Layer Surveillance: Protocol Design and Performance Analysis. IEEE Transactions on Information Forensics and Security, 2021, 16, 1989-2003. | 6.9 | 15 |
| 26 | Linear and Deep Neural Network-Based Receivers for Massive MIMO Systems With One-Bit ADCs. IEEE Transactions on Wireless Communications, 2021, 20, 7333-7345. | 9.2 | 19 |
| 27 | Massive MIMO Channel Estimation With Low-Resolution Spatial Sigma-Delta ADCs. IEEE Access, 2021, 9, 109320-109334. | 4.2 | 11 |
| 28 | Guest Editorial Special Issue on UAV Communications in 5G and Beyond Networks—Part II. IEEE Journal on Selected Areas in Communications, 2021, 39, 3247-3251. | 14.0 | 0 |
| 29 | Direction Finding with 2D Arrays Using Spatial Sigma-Delta ADCs. , 2021, , . | | 0 |
| 30 | Optimized Transmission for Parameter Estimation in Wireless Sensor Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 35-47. | 2.8 | 11 |
| 31 | Throughput Maximization for UAV-Aided Backscatter Communication Networks. IEEE Transactions on Communications, 2020, 68, 1254-1270. | 7.8 | 40 |
| 32 | Secure Communication for Spatially Sparse Millimeter-Wave Massive MIMO Channels via Hybrid Precoding. IEEE Transactions on Communications, 2020, 68, 887-901. | 7.8 | 29 |
| 33 | Joint Channel Estimation and Localization for Cooperative Millimeter Wave Systems. , 2020, , . | | 4 |
| 34 | Spectral Efficiency of One-Bit Sigma-Delta Massive MIMO. IEEE Journal on Selected Areas in Communications, 2020, 38, 2215-2226. | 14.0 | 15 |
| 35 | Low SNR Asymptotic Rates of Vector Channels With One-Bit Outputs. IEEE Transactions on Information Theory, 2020, 66, 7615-7634. | 2.4 | 7 |
| 36 | On the Effect of Mutual Coupling in One-Bit Spatial Sigma-Delta Massive MIMO Systems. , 2020, , . | | 1 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 37 | Drosophila Brain Functional Data Analysis: A Unified Framework. , 2020, 2020, 1088-1091. | | 0 |
| 38 | Secure Symbol-Level Precoding in MU-MISO Wiretap Systems. IEEE Transactions on Information Forensics and Security, 2020, 15, 3359-3373. | 6.9 | 11 |
| 39 | Dynamic Hybrid Beamforming With Low-Resolution PSs for Wideband mmWave MIMO-OFDM Systems. IEEE Journal on Selected Areas in Communications, 2020, 38, 2168-2181. | 14.0 | 50 |
| 40 | Quadratic Semidefinite Programming for Waveform-Constrained Joint Filter-Signal Design in STAP. IEEE Transactions on Signal Processing, 2020, 68, 1744-1759. | 5.3 | 12 |
| 41 | Bayes-Optimal MMSE Detector for Massive MIMO Relaying With Low-Precision ADCs/DACs. IEEE Transactions on Signal Processing, 2020, 68, 3341-3357. | 5.3 | 5 |
| 42 | Secure Symbol-Level Miso Precoding. , 2020, , . | | 1 |
| 43 | 3D UAV Trajectory and Communication Design for Simultaneous Uplink and Downlink Transmission. IEEE Transactions on Communications, 2020, 68, 5908-5923. | 7.8 | 66 |
| 44 | Exploiting Randomized Continuous Wave in Secure Backscatter Communications. IEEE Internet of Things Journal, 2020, 7, 3389-3403. | 8.7 | 18 |
| 45 | Supervised and Semi-Supervised Learning for MIMO Blind Detection With Low-Resolution ADCs. IEEE Transactions on Wireless Communications, 2020, 19, 2427-2442. | 9.2 | 23 |
| 46 | Fountain-Coding Aided Secure Transmission With Delay and Content Awareness. IEEE Transactions on Vehicular Technology, 2020, 69, 7992-7997. | 6.3 | 11 |
| 47 | Spatial Sigma-Delta Massive MIMO: Improved Channel Estimation and Achievable Rates. , 2020, , . | | 0 |
| 48 | Massive Mimo Channel Estimation with 1-Bit Spatial Sigma-delta ADCS. , 2019, , . | | 22 |
| 49 | Safeguarding 5G-and-Beyond Networks with Physical Layer Security. IEEE Wireless Communications, 2019, 26, 4-5. | 9.0 | 10 |
| 50 | Channel Estimation in One-Bit Massive MIMO Systems: Angular Versus Unstructured Models. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1017-1031. | 10.8 | 27 |
| 51 | One-Bit Sigma-Delta MIMO Precoding. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1046-1061. | 10.8 | 27 |
| 52 | Space-Constrained Mixed-ADC Massive MIMO. , 2019, , . | | 2 |
| 53 | Secure Massive MIMO Communication With Low-Resolution DACs. IEEE Transactions on Communications, 2019, 67, 3265-3278. | 7.8 | 29 |
| 54 | A burst-form CSI estimation approach for FDD massive MIMO systems. Signal Processing, 2019, 162, 106-114. | 3.7 | 9 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 55 | Energy efficient downlink massive MIMO: Is 1-bit quantization a solution ?. , 2019, , . | | 5 |
| 56 | ZF-Based Beamforming for Wireless Powered Cognitive Satellite-Terrestrial Networks. , 2019, , . | | 5 |
| 57 | Mitigation of Jamming Attack in Massive MIMO With One-Bit FBB Sigma-Delta ADCs. , 2019, , . | | 2 |
| 58 | Spatial Sigma-Delta Modulation for the Massive MIMO Downlink. , 2019, , . | | 0 |
| 59 | Discrete Phase Shift Design for Practical Large Intelligent Surface Communication. , 2019, , . | | 17 |
| 60 | UAV-Aided Backscatter Networks: Joint UAV Trajectory and Protocol Design. , 2019, , . | | 5 |
| 61 | Cancelable Biometric Recognition With ECGs: Subspace-Based Approaches. IEEE Transactions on Information Forensics and Security, 2019, 14, 1323-1336. | 6.9 | 45 |
| 62 | Reconsidering Linear Transmit Signal Processing in 1-Bit Quantized Multi-User MISO Systems. IEEE Transactions on Wireless Communications, 2019, 18, 254-267. | 9.2 | 11 |
| 63 | Estimation of Sparse Directional Connectivity With Expectation Maximization. IEEE Transactions on Signal Processing, 2019, 67, 854-869. | 5.3 | 0 |
| 64 | Delay-Intolerant Covert Communications With Either Fixed or Random Transmit Power. IEEE Transactions on Information Forensics and Security, 2019, 14, 129-140. | 6.9 | 151 |
| 65 | Direct feature extraction from multi-electrode recordings for spike sorting. , 2018, 75, 222-231. | | 5 |
| 66 | Relaxed Biquadratic Optimization for Joint Filter-Signal Design in Signal-Dependent STAP. IEEE Transactions on Signal Processing, 2018, 66, 1300-1315. | 5.3 | 20 |
| 67 | Joint Transmit and Receive Filter Optimization for Sub-Nyquist Delay-Doppler Estimation. IEEE Transactions on Signal Processing, 2018, 66, 2542-2556. | 5.3 | 5 |
| 68 | Blind Estimation of Sparse Broadband Massive MIMO Channels With Ideal and One-bit ADCs. IEEE Transactions on Signal Processing, 2018, 66, 2972-2983. | 5.3 | 56 |
| 69 | A Comparison of Hybrid Beamforming and Digital Beamforming With Low-Resolution ADCs for Multiple Users and Imperfect CSI. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 484-498. | 10.8 | 81 |
| 70 | Multipair Massive MIMO Relaying Systems With One-Bit ADC&lt;roman&gt;s&lt;/roman&gt; and DAC&lt;roman&gt;s&lt;/roman&gt;. IEEE Transactions on Signal Processing, 2018, 66, 2984-2997. | 5.3 | 46 |
| 71 | Nonlinear Precoding for Multipair Relay Networks With One-Bit ADCs and DACs. IEEE Signal Processing Letters, 2018, 25, 303-307. | 3.6 | 19 |
| 72 | Sample Entropy of High Frequency Oscillations for Epileptogenic Zone Localization. , 2018, 2018, 1-4. | | 2 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 73 | 1-Bit Massive MIMO Downlink Based on Constructive Interference. , 2018, , . | | 6 |
| 74 | Reduced Dimension Minimum BER PSK Precoding for Constrained Transmit Signals in Massive MIMO. , 2018, , . | | 9 |
| 75 | Quantized Constant Envelope Precoding With PSK and QAM Signaling. IEEE Transactions on Wireless Communications, 2018, 17, 8022-8034. | 9.2 | 69 |
| 76 | Massive MIMO 1-Bit DAC Transmission: A Low-Complexity Symbol Scaling Approach. IEEE Transactions on Wireless Communications, 2018, 17, 7559-7575. | 9.2 | 83 |
| 77 | GlobalSIP 2018 Welcome. , 2018, , . | | 0 |
| 78 | Secret Channel Training to Enhance Physical Layer Security With a Full-Duplex Receiver. IEEE Transactions on Information Forensics and Security, 2018, 13, 2788-2800. | 6.9 | 45 |
| 79 | Hybrid Precoder and Combiner Design With Low-Resolution Phase Shifters in mmWave MIMO Systems. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 256-269. | 10.8 | 135 |
| 80 | Limited Rate Feedback for Two-User MISO Gaussian Interference Channel With and Without Secrecy. IEEE Transactions on Signal Processing, 2018, 66, 4884-4897. | 5.3 | 4 |
| 81 | Spectral Efficiency of Mixed-ADC Massive MIMO. IEEE Transactions on Signal Processing, 2018, 66, 3599-3613. | 5.3 | 46 |
| 82 | Are the Data Rates Predicted by the Analytic Analysis of Receivers with Low Resolution ADCs Achievable?. , 2018, , . | | 0 |
| 83 | Channel Estimation and Performance Analysis of One-Bit Massive MIMO Systems. IEEE Transactions on Signal Processing, 2017, 65, 4075-4089. | 5.3 | 367 |
| 84 | The Gaussian CEO Problem for Scalar Sources With Arbitrary Memory. IEEE Transactions on Information Theory, 2017, 63, 4286-4297. | 2.4 | 0 |
| 85 | Analysis of One-Bit Quantized Precoding for the Multiuser Massive MIMO Downlink. IEEE Transactions on Signal Processing, 2017, 65, 4624-4634. | 5.3 | 119 |
| 86 | Downlink Achievable Rate Analysis in Massive MIMO Systems With One-Bit DACs. IEEE Communications Letters, 2017, 21, 1669-1672. | 4.1 | 82 |
| 87 | Approaching $B \log ~(1+{\mathrm{ SNR}})$ With Direct Detection and Low-Order Asymmetric Bandpass Filtering. IEEE Communications Letters, 2017, 21, 2372-2375. | 4.1 | 1 |
| 88 | Channel training design in full-duplex wiretap channels to enhance physical layer security. , 2017, , . | | 10 |
| 89 | Spectral Efficiency under Energy Constraint for Mixed-ADC MRC Massive MIMO. IEEE Signal Processing Letters, 2017, 24, 1847-1851. | 3.6 | 22 |
| 90 | Minimum probability-of-error perturbation precoding for the one-bit massive MIMO downlink. , 2017, , . | | 48 |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 91 | Are Traditional Signal Processing Techniques Rate Maximizing in Quantized SU-MISO Systems?. , 2017, , . | | 1 |
| 92 | Analog transmit signal optimization for undersampled delay-Doppler estimation. , 2017, , . | | 2 |
| 93 | Precoding under instantaneous per-antenna peak power constraint. , 2017, , . | | 5 |
| 94 | Analysis of MRC for Mixed-ADC massive MIMO. , 2017, , . | | 5 |
| 95 | Massive MIMO downlink 1-bit precoding for frequency selective channels. , 2017, , . | | 10 |
| 96 | Channel Estimation and Rate Analysis for Multipair Massive MIMO Relaying with One-Bit Quantization. , 2017, , . | | 2 |
| 97 | mmWave massive MIMO with simple RF and appropriate DSP. , 2017, , . | | 7 |
| 98 | Massive MIMO downlink 1-bit precoding with linear programming for PSK signaling. , 2017, , . | | 38 |
| 99 | Predistortion techniques for vector perturbation precoding of one-bit massive-MIMO. , 2017, , . | | 0 |
| 100 | On the delay-Doppler tracking error for sub-nyquist satellite-based synchronization. , 2017, , . | | 0 |
| 101 | How Much Training Is Needed in One-Bit Massive MIMO Systems at Low SNR?. , 2016, , . | | 12 |
| 102 | On one-bit quantized ZF precoding for the multiuser massive MIMO downlink. , 2016, , . | | 14 |
| 103 | Analysis of one-bit quantized ZF precoding for the multiuser massive MIMO downlink. , 2016, , . | | 12 |
| 104 | On Secrecy Metrics for Physical Layer Security Over Quasi-Static Fading Channels. IEEE Transactions on Wireless Communications, 2016, 15, 6913-6924. | 9.2 | 53 |
| 105 | Energy efficient beamforming for secure communication in cognitive radio networks. , 2016, , . | | 8 |
| 106 | Channel estimation and uplink achievable rates in one-bit massive MIMO systems. , 2016, , . | | 28 |
| 107 | Limited Rate Feedback in a MIMO Wiretap Channel With a Cooperative Jammer. IEEE Transactions on Signal Processing, 2016, 64, 4695-4706. | 5.3 | 7 |
| 108 | Transmitter Optimization for Per-Antenna Power Constrained Multi-Antenna Downlinks:_newline An SLNR Maximization Methodology. IEEE Transactions on Signal Processing, 2016, 64, 2712-2725. | 5.3 | 20 |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 109 | Channel Acquisition for Massive MIMO-OFDM With Adjustable Phase Shift Pilots. IEEE Transactions on Signal Processing, 2016, 64, 1461-1476. | 5.3 | 214 |
| 110 | Adjustable phase shift pilots for sparse massive MIMO-OFDM channels. , 2015, , . | | 4 |
| 111 | Secure Relay and Jammer Selection for Physical Layer Security. IEEE Signal Processing Letters, 2015, 22, 1147-1151. | 3.6 | 100 |
| 112 | A novel framework for feature extraction in multi-sensor action potential sorting. Journal of Neuroscience Methods, 2015, 253, 262-271. | 2.5 | 4 |
| 113 | Massive MIMO for Wireless Sensing With a Coherent Multiple Access Channel. IEEE Transactions on Signal Processing, 2015, 63, 3005-3017. | 5.3 | 89 |
| 114 | Performance Analysis of Multi-Antenna Hybrid Satellite-Terrestrial Relay Networks in the Presence of Interference. IEEE Transactions on Communications, 2015, 63, 4390-4404. | 7.8 | 163 |
| 115 | Buffer-Aided Relaying for Two-Hop Secure Communication. IEEE Transactions on Wireless Communications, 2015, 14, 152-164. | 9.2 | 49 |
| 116 | An optimal resource reuse strategy for QoS-awared device-to-device communications. , 2014, , . | | 4 |
| 117 | Analysis of a separable STAP algorithm for very large arrays. , 2014, , . | | 1 |
| 118 | Filter design for a compressive sensing delay and Doppler estimation framework. , 2014, , . | | 3 |
| 119 | Non-line-of-sight mobile station positioning algorithm using TOA, AOA, and Doppler-shift. , 2014, , . | | 6 |
| 120 | Introduction to the Issue on Signal Processing for Large-Scale MIMO. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 739-741. | 10.8 | 1 |
| 121 | Optimal Power Allocation for Parameter Tracking in a Distributed Amplify-and-Forward Sensor Network. IEEE Transactions on Signal Processing, 2014, 62, 2200-2211. | 5.3 | 27 |
| 122 | Principles of Physical Layer Security in Multiuser Wireless Networks: A Survey. IEEE Communications Surveys and Tutorials, 2014, 16, 1550-1573. | 39.4 | 1,060 |
| 123 | Applications of Array Signal Processing. Academic Press Library in Signal Processing, 2014, 3, 859-953. | 0.8 | 13 |
| 124 | An Overview of Massive MIMO: Benefits and Challenges. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 742-758. | 10.8 | 2,080 |
| 125 | Downlink Resource Reuse for Device-to-Device Communications Underlaying Cellular Networks. IEEE Signal Processing Letters, 2014, 21, 531-534. | 3.6 | 119 |
| 126 | Detection in analog sensor networks with a large scale antenna fusion center. , 2014, , . | | 3 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 127 | Device-to-device communications: The physical layer security advantage. , 2014, , . | | 52 |
| 128 | Adaptive Limited Feedback for MISO Wiretap Channels With Cooperative Jamming. IEEE Transactions on Signal Processing, 2014, 62, 993-1004. | 5.3 | 42 |
| 129 | On Ergodic Secrecy Rate for MISO Wiretap Broadcast Channels with Opportunistic Scheduling. IEEE Communications Letters, 2014, 18, 50-53. | 4.1 | 21 |
| 130 | Millimeter-wave massive MIMO: the next wireless revolution?. , 2014, 52, 56-62. | | 657 |
| 131 | Matching Pursuit and Source Deflation for Sparse EEG/MEG Dipole Moment Estimation. IEEE Transactions on Biomedical Engineering, 2013, 60, 2280-2288. | 4.2 | 23 |
| 132 | Prescient Precoding in Heterogeneous DSA Networks with Both Underlay and Interweave MIMO Cognitive Radios. IEEE Transactions on Wireless Communications, 2013, 12, 2252-2260. | 9.2 | 3 |
| 133 | Full Rank Solutions for the MIMO Gaussian Wiretap Channel With an Average Power Constraint. IEEE Transactions on Signal Processing, 2013, 61, 2620-2631. | 5.3 | 54 |
| 134 | Jamming Games in the MIMO Wiretap Channel With an Active Eavesdropper. IEEE Transactions on Signal Processing, 2013, 61, 82-91. | 5.3 | 135 |
| 135 | Power allocation approaches for combined positioning and communications OFDM systems. , 2013, , . | | 6 |
| 136 | Secure Communication Via an Untrusted Non-Regenerative Relay in Fading Channels. IEEE Transactions on Signal Processing, 2013, 61, 2536-2550. | 5.3 | 230 |
| 137 | Unified Framework for the Synchronization of Flexible Multicarrier Communication Signals. IEEE Transactions on Signal Processing, 2013, 61, 828-842. | 5.3 | 20 |
| 138 | Competing for Secrecy in the MISO Interference Channel. IEEE Transactions on Signal Processing, 2013, 61, 170-181. | 5.3 | 17 |
| 139 | Algorithms and Bounds for Dynamic Causal Modeling of Brain Connectivity. IEEE Transactions on Signal Processing, 2013, 61, 2990-3001. | 5.3 | 1 |
| 140 | Guest Editorial: Signal Processing for Wireless Physical Layer Security}. IEEE Journal on Selected Areas in Communications, 2013, 31, 1657-1659. | 14.0 | 6 |
| 141 | Joint transmit design and node selection for one-way and two-way untrusted relay channels. , 2013, , . | | 15 |
| 142 | Wireless physical layer security enhancement with buffer-aided relaying. , 2013, , . | | 5 |
| 143 | On the Optimality of Linear Precoding for Secrecy in the MIMO Broadcast Channel. IEEE Journal on Selected Areas in Communications, 2013, 31, 1701-1713. | 14.0 | 45 |
| 144 | Localization of mobile equipment in radio environments with no line-of-sight path. , 2013, , . | | 1 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 145 | Robust beamforming via FIR filtering for GNSS multipath mitigation. , 2013, , . | | 7 |
| 146 | Estimation in Phase-Shift and Forward Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2013, 61, 3840-3851. | 5.3 | 17 |
| 147 | On the optimality of polar codes for the deterministic wiretap channel. , 2013, , . | | 3 |
| 148 | Power allocation method based on the channel statistics for combined positioning and communications OFDM systems. , 2013, , . | | 11 |
| 149 | Linearly reconfigurable Kalman filtering for a vector process. , 2013, , . | | 4 |
| 150 | Optimal power allocation for GSVD-based beamforming in the MIMO Gaussian wiretap channel. , 2012, , . | | 72 |
| 151 | Detecting passive eavesdroppers in the MIMO wiretap channel. , 2012, , . | | 123 |
| 152 | The Gaussian CEO problem for a scalar source with memory: A necessary condition. , 2012, , . | | 1 |
| 153 | Performance bounds for dynamic causal modeling of brain connectivity. , 2012, 2012, 1036-9. | | 0 |
| 154 | Rank minimization designs for underlay MIMO cognitive radio networks with completely unknown primary CSI. , 2012, , . | | 8 |
| 155 | On the achievable sum rate of multiterminal source coding for a correlated Gaussian vector source. , 2012, , . | | 4 |
| 156 | Parameter tracking via optimal distributed beamforming in an analog sensor network. , 2012, , . | | 3 |
| 157 | Limited field-of-view multimodal sensor adaptation for data association. , 2012, , . | | 2 |
| 158 | Rank property of the MIMO Gaussian wiretap channel with an average power constraint. , 2012, , . | | 1 |
| 159 | Suboptimal method for pilot and data power allocation in combined positioning and communications OFDM systems. , 2012, , . | | 6 |
| 160 | Outage performance for amplify-and-forward channels with an unauthenticated relay. , 2012, , . | | 6 |
| 161 | Secrecy analysis of unauthenticated amplify-and-forward relaying with antenna selection. , 2012, , . | | 9 |
| 162 | Optimization of UAV Heading for the Ground-to-Air Uplink. IEEE Journal on Selected Areas in Communications, 2012, 30, 993-1005. | 14.0 | 215 |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 163 | Robust Secure Transmission in MISO Channels Based on Worst-Case Optimization. IEEE Transactions on Signal Processing, 2012, 60, 1696-1707. | 5.3 | 200 |
| 164 | Phase-only analog encoding for a multi-antenna fusion center. , 2012, , . | | 5 |
| 165 | Interference-Aware Scheduling for Connectivity in MIMO Ad Hoc Multicast Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 1762-1778. | 6.3 | 7 |
| 166 | Modified Waterfilling Algorithms for MIMO Spatial Multiplexing with Asymmetric CSI. IEEE Wireless Communications Letters, 2012, 1, 89-92. | 5.0 | 7 |
| 167 | Applying Bargaining Solutions to Resource Allocation in Multiuser MIMO-OFDMA Broadcast Systems. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 127-139. | 10.8 | 55 |
| 168 | Projection Versus Prewhitening for EEG Interference Suppression. IEEE Transactions on Biomedical Engineering, 2012, 59, 1329-1338. | 4.2 | 22 |
| 169 | Efficient Dipole Parameter Estimation in EEG Systems With Near-ML Performance. IEEE Transactions on Biomedical Engineering, 2012, 59, 1339-1348. | 4.2 | 15 |
| 170 | Dirty Paper Coding versus Linear GSVD-Based Precoding in MIMO Broadcast Channel with Confidential Messages. , 2011, , . | | 16 |
| 171 | A full-duplex active eavesdropper in mimo wiretap channels: Construction and countermeasures. , 2011, , . | | 64 |
| 172 | MIMO Interference Channel With Confidential Messages: Achievable Secrecy Rates and Precoder Design. IEEE Transactions on Information Forensics and Security, 2011, 6, 640-649. | 6.9 | 56 |
| 173 | Cooperation strategies for secrecy in MIMO relay networks with unknown eavesdropper CSI. , 2011, , . | | 12 |
| 174 | Robust Secure Transmission in MISO Channels with Imperfect ECSI. , 2011, , . | | 1 |
| 175 | Solutions for the MIMO Gaussian Wiretap Channel With a Cooperative Jammer. IEEE Transactions on Signal Processing, 2011, 59, 5013-5022. | 5.3 | 110 |
| 176 | Secure space-time block coding via artificial noise alignment. , 2011, , . | | 16 |
| 177 | QoS-constrained robust beamforming in MISO wiretap channels with a helper. , 2011, , . | | 9 |
| 178 | Cooperative Jamming for Secure Communications in MIMO Relay Networks. IEEE Transactions on Signal Processing, 2011, 59, 4871-4884. | 5.3 | 373 |
| 179 | Robust Beamforming for Security in MIMO Wiretap Channels With Imperfect CSI. IEEE Transactions on Signal Processing, 2011, 59, 351-361. | 5.3 | 376 |
| 180 | Pilot optimization for time-delay and channel estimation in OFDM systems. , 2011, , . | | 23 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 181 | The Extended Invariance Principle for Signal Parameter Estimation in an Unknown Spatial Field. IEEE Transactions on Signal Processing, 2011, 59, 3213-3225. | 5.3 | 29 |
| 182 | Prescient beamforming in multi-user interweave cognitive radio networks. , 2011, , . | | 3 |
| 183 | Wireless Relay Communications with Unmanned Aerial Vehicles: Performance and Optimization. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 2068-2085. | 4.7 | 297 |
| 184 | On the use of artificial interference for secrecy with imperfect CSI. , 2011, , . | | 1 |
| 185 | Matched subspace detector based feature extraction for sorting of multi-sensor action potentials. , 2011, 2011, 3704-7. | | 0 |
| 186 | Signal source localization with tetrodes: Experimental verification. , 2011, 2011, 67-70. | | 3 |
| 187 | EEG/MEG source localization using source deflated matching pursuit. , 2011, 2011, 6572-5. | | 1 |
| 188 | Interference self-mitigating beamforming for the K-user MIMO IC. , 2011, , . | | 2 |
| 189 | Secrecy capacity of MISO Gaussian wiretap channel with a cooperative jammer. , 2011, , . | | 11 |
| 190 | Tracking single dynamic MEG dipole sources using the projected extended Kalman filter. , 2011, 2011, 4365-8. | | 0 |
| 191 | Optimal strategies for countering dual-threat jamming/eavesdropping-capable adversaries in MIMO channels. , 2010, , . | | 29 |
| 192 | Poisoned feedback: The impact of malicious users in closed-loop multiuser mimo systems. , 2010, , . | | 4 |
| 193 | Scheduling for MIMO Networks with Rate-Constrained Connectivity Requirements. , 2010, , . | | 2 |
| 194 | Closed-loop tracking using multimodal RF/EO sensors. , 2010, , . | | 4 |
| 195 | MIMO interference channel with confidential messages: Game theoretic beamforming designs. , 2010, , . | | 9 |
| 196 | Adaptive Mobile Sensor Positioning for Multi-Static Target Tracking. IEEE Transactions on Aerospace and Electronic Systems, 2010, 46, 120-132. | 4.7 | 19 |
| 197 | MIMO SVD-based multiplexing with imperfect channel knowledge. , 2010, , . | | 6 |
| 198 | Direct interference suppression in EEG/MEG dipole source localization. , 2010, , . | | 4 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 199 | Ensuring Secrecy in MIMO Wiretap Channels with Imperfect CSIT: A Beamforming Approach. , 2010, , . | | 7 |
| 200 | Secure Communications via Cooperative Jamming in Two-Hop Relay Systems. , 2010, , . | | 32 |
| 201 | Dynamic UAV relay positioning for the ground-to-air uplink. , 2010, , . | | 55 |
| 202 | Securing multi-antenna two-way relay channels with analog network coding against eavesdroppers. , 2010, , . | | 34 |
| 203 | Equilibrium Outcomes of Dynamic Games in MIMO Channels with Active Eavesdroppers. , 2010, , . | | 14 |
| 204 | Utility of beamforming strategies for secrecy in multiuser MIMO wiretap channels. , 2009, , . | | 43 |
| 205 | A MIMO channel perturbation analysis for robust bit loading. , 2009, , . | | 3 |
| 206 | Farewell Messageâ€"Lee Swindlehurst. IEEE Journal on Selected Topics in Signal Processing, 2009, 3, 905-905. | 10.8 | 0 |
| 207 | Optimization of MANET connectivity via smart deployment/movement of unmanned air vehicles. IEEE Transactions on Vehicular Technology, 2009, 58, 3533-3546. | 6.3 | 240 |
| 208 | Cooperative Jamming in MIMO ad-hoc networks. , 2009, , . | | 36 |
| 209 | Performance Bounds for MIMO-OFDM Channel Estimation. IEEE Transactions on Signal Processing, 2009, 57, 1901-1916. | 5.3 | 59 |
| 210 | Improving the topological resilience of mobile ad hoc networks. , 2009, , . | | 12 |
| 211 | User selection in multiuser MIMO systems with secrecy considerations. , 2009, , . | | 12 |
| 212 | Fixed-rate power allocation strategies for enhanced secrecy in MIMO wiretap channels. , 2009, , . | | 40 |
| 213 | Downlink resource allocation for multi-user MIMO-OFDMA systems: The Kalai-Smorodinsky bargaining approach. , 2009, , . | | 7 |
| 214 | Fixed SINR solutions for the MIMO wiretap channel. , 2009, , . | | 148 |
| 215 | Bargaining and the MISO Interference Channel. Eurasip Journal on Advances in Signal Processing, 2009, 2009, . | 1.7 | 13 |
| 216 | Spaceâ€"Time Power Schedule for Distributed MIMO Links Without Instantaneous Channel State Information at the Transmitting Nodes. IEEE Transactions on Signal Processing, 2008, 56, 686-701. | 5.3 | 17 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 217 | Time delay estimation in a spatially structured model using decoupled estimators for temporal and spatial parameters. , 2008, , . | | 1 |
| 218 | A performance bound for MIMO-OFDM channel estimation and prediction. , 2008, , . | | 5 |
| 219 | Bargaining and Multi-User Detection in MIMO Interference Networks. , 2008, , . | | 2 |
| 220 | A realistic performance analysis for practical channel-aware scheduling. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , . | 1.8 | 0 |
| 221 | The extended invariance principle applied to joint time-delay, frequency, and DOA estimation. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , . | 1.8 | 6 |
| 222 | Discrete double integrator consensus. , 2008, , . | | 31 |
| 223 | Throughput-Optimal Training for a Time-Varying Multi-Antenna Channel. IEEE Transactions on Wireless Communications, 2007, 6, 3364-3373. | 9.2 | 26 |
| 224 | Space-Time Power Schedule for Distributed MIMO Links Without Channel State Information at Transmitting Nodes. , 2007, , . | | 0 |
| 225 | Cooperative Power Scheduling for Wireless MIMO Networks. , 2007, , . | | 19 |
| 226 | Impact of User Mobility and Asymmetry on Multiuser Scheduler Performance. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , . | 0.0 | 0 |
| 227 | IEEE Journal of Selected Topics in Signal Processing Inaugural Issue: {editor-in-chief's message}. IEEE Journal on Selected Topics in Signal Processing, 2007, 1, 1-1. | 10.8 | 2 |
| 228 | Connectivity in a UAV Multi-static Radar Network. , 2006, , . | | 5 |
| 229 | Medium Access Control for Multi-Antenna Networks using Multi-User Coding. , 2006, , . | | 2 |
| 230 | A performance bound for prediction of MIMO channels. IEEE Transactions on Signal Processing, 2006, 54, 520-529. | 5.3 | 38 |
| 231 | Wireless Relay Communications using ann Unmanned Aerial Vehicle. , 2006, , . | | 38 |
| 232 | Smart deployment/movement of unmanned air vehicle to improve connectivity in MANET. , 2006, , . | | 38 |
| 233 | A Performance Bound for Interpolation of MIMO-OFDM Channels. , 2006, , . | | 4 |
| 234 | Satisficing Learning Dynamics in the Stag Hunt. , 2006, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Cross-layer issues in MAC protocol design for MIMO ad hoc networks. IEEE Wireless Communications, 2006, 13, 62-76. | 9.0 | 61 |
| 236 | Linear and Dirty-Paper Techniques for the Multiuser MIMO Downlink. , 2005, , 209-243. | | 4 |
| 237 | A Vector-Perturbation Technique for Near-Capacity Multiantenna Multiuser Communicationâ€"Part I: Channel Inversion and Regularization. IEEE Transactions on Communications, 2005, 53, 195-202. | 7.8 | 1,318 |
| 238 | A Vector-Perturbation Technique for Near-Capacity Multiantenna Multiuser Communicationâ€" Part II: Perturbation. IEEE Transactions on Communications, 2005, 53, 537-544. | 7.8 | 636 |
| 239 | Positioning and navigation with applications to communications [from the Guest Editors. IEEE Signal Processing Magazine, 2005, 22, 10-11. | 5.6 | 30 |
| 240 | Channel allocation in multi-user MIMO wireless communications systems. , 2004, , . | | 33 |
| 241 | Effective SNR for Spaceâ€"Time Modulation Over a Time-Varying Rician Channel. IEEE Transactions on Communications, 2004, 52, 17-23. | 7.8 | 20 |
| 242 | An introduction to the multi-user MIMO downlink. , 2004, 42, 60-67. | | 691 |
| 243 | Performance of MIMO spatial multiplexing algorithms using indoor channel measurements and models. Wireless Communications and Mobile Computing, 2004, 4, 739-754. | 1.2 | 7 |
| 244 | Performance of Space-Time Modulation for a Generalized Time-Varying Rician Channel Model. IEEE Transactions on Wireless Communications, 2004, 3, 1003-1012. | 9.2 | 20 |
| 245 | Zero-Forcing Methods for Downlink Spatial Multiplexing in Multiuser MIMO Channels. IEEE Transactions on Signal Processing, 2004, 52, 461-471. | 5.3 | 2,566 |
| 246 | A Hybrid Approach to Spatial Multiplexing in Multiuser MIMO Downlinks. Eurasip Journal on Wireless Communications and Networking, 2004, 2004, 1. | 2.4 | 31 |
| 247 | Experimental characterization of the MIMO wireless channel: data acquisition and analysis. IEEE Transactions on Wireless Communications, 2003, 2, 335-343. | 9.2 | 243 |
| 248 | Space-time autoregressive filtering for matched subspace STAP. IEEE Transactions on Aerospace and Electronic Systems, 2003, 39, 510-520. | 4.7 | 40 |
| 249 | Blind and semi-blind equalization for generalized space-time precoding. , 2002, , . | | 3 |
| 250 | Blind and semi-blind equalization for generalized space-time block codes. IEEE Transactions on Signal Processing, 2002, 50, 2489-2498. | 5.3 | 119 |
| 251 | Blind and semi-blind equalization for generalized space-time precoding. , 2002, , . | | 3 |
| 252 | Exploiting arrays with multiple invariances using MUSIC and MODE. IEEE Transactions on Signal Processing, 2001, 49, 2511-2521. | 5.3 | 56 |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 253 | Optimal subspace techniques for DOA estimation. , 2001, , 261-278. | | 0 |
| 254 | Code-timing synchronization in DS-CDMA systems using space–time diversity. Signal Processing, 2001, 81, 1581-1602. | 3.7 | 1 |
| 255 | On the use of kernel structure for blind equalization. IEEE Transactions on Signal Processing, 2000, 48, 799-809. | 5.3 | 4 |
| 256 | Recursive blind symbol estimation of convolutionally coded cochannel signals. IEEE Transactions on Signal Processing, 2000, 48, 956-965. | 5.3 | 8 |
| 257 | Modeling the statistical time and angle of arrival characteristics of an indoor multipath channel. IEEE Journal on Selected Areas in Communications, 2000, 18, 347-360. | 14.0 | 554 |
| 258 | Fixed window constant modulus algorithms. , 1999, , . | | 7 |
| 259 | A new approach for symbol frame synchronization and carrier frequency estimation in OFDM communications. , 1999, , . | | 12 |
| 260 | On the identifiability of multipath parameters. Signal Processing, 1999, 74, 327-330. | 3.7 | 2 |
| 261 | Spatial signature estimation for uniform linear arrays with unknown receiver gains and phases. IEEE Transactions on Signal Processing, 1999, 47, 2128-2138. | 5.3 | 62 |
| 262 | Methods for blind equalization and resolution of overlapping echoes of unknown shape. IEEE Transactions on Signal Processing, 1999, 47, 1245-1254. | 5.3 | 19 |
| 263 | Generalised array manifold model for wireless communication channels with local scattering. IET Radar, Sonar & Navigation, 1998, 145, 51. | 2.1 | 56 |
| 264 | Effects of nonzero bandwidth on direction of arrival estimators in array signal processing. IET Radar, Sonar & Navigation, 1998, 145, 317. | 2.1 | 5 |
| 265 | Normalized adaptive decision directed equalization. IEEE Signal Processing Letters, 1998, 5, 18-20. | 3.6 | 2 |
| 266 | Highlights of statistical signal and array processing. IEEE Signal Processing Magazine, 1998, 15, 21-64. | 5.6 | 52 |
| 267 | Maximum likelihood methods in radar array signal processing. Proceedings of the IEEE, 1998, 86, 421-441. | 21.3 | 195 |
| 268 | Time delay and spatial signature estimation using known asynchronous signals. IEEE Transactions on Signal Processing, 1998, 46, 449-462. | 5.3 | 116 |
| 269 | Subspace-based estimation of time delays and Doppler shifts. IEEE Transactions on Signal Processing, 1998, 46, 2472-2483. | 5.3 | 92 |
| 270 | Weighted subspace fitting for general array error models. IEEE Transactions on Signal Processing, 1998, 46, 2484-2498. | 5.3 | 63 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 271 | Detection and estimation in the presence of signals with uncalibrated spatial signature. Signal Processing, 1996, 50, 29-37. | 3.7 | 0 |
| 272 | Analysis of a decision directed beamformer. IEEE Transactions on Signal Processing, 1995, 43, 2920-2927. | 5.3 | 43 |
| 273 | The effects of array calibration errors on DF-based signal copy performance. IEEE Transactions on Signal Processing, 1995, 43, 2724-2732. | 5.3 | 26 |
| 274 | A subspace fitting method for identification of linear state-space models. IEEE Transactions on Automatic Control, 1995, 40, 311-316. | 5.7 | 17 |
| 275 | Alternative algorithm for maximum likelihood DOA estimation and detection. IET Radar, Sonar & Navigation, 1994, 141, 293. | 2.1 | 13 |
| 276 | Analysis of the combined effects of finite samples and model errors on array processing performance. IEEE Transactions on Signal Processing, 1994, 42, 3073-3083. | 5.3 | 65 |
| 277 | A Bayesian approach to auto-calibration for parametric array signal processing. IEEE Transactions on Signal Processing, 1994, 42, 3495-3507. | 5.3 | 142 |
| 278 | Using least squares to improve blind signal copy performance. IEEE Signal Processing Letters, 1994, 1, 80-82. | 3.6 | 14 |
| 279 | On the Copy of Communications Signals using Antenna Arrays. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1994, 27, 119-124. | 0.4 | 2 |
| 280 | Subspace fitting with diversely polarized antenna arrays. IEEE Transactions on Antennas and Propagation, 1993, 41, 1687-1694. | 5.1 | 60 |
| 281 | 16 Subspace methods for directions-of-arrival estimation. Handbook of Statistics, 1993, 10, 693-739. | 0.6 | 43 |
| 282 | Subspace-based signal analysis using singular value decomposition. Proceedings of the IEEE, 1993, 81, 1277-1308. | 21.3 | 269 |
| 283 | A performance analysis of subspace-based methods in the presence of model error. II. Multidimensional algorithms. IEEE Transactions on Signal Processing, 1993, 41, 2882-2890. | 5.3 | 96 |
| 284 | Azimuth/elevation direction finding using regular array geometries. IEEE Transactions on Aerospace and Electronic Systems, 1993, 29, 145-156. | 4.7 | 153 |
| 285 | Efficient subspace fitting algorithms for diversely polarized arrays. , 1993, , . | | 1 |
| 286 | Analysis of the combined effects of finite samples and model errors on array processing performance. , 1993, , . | | 7 |
| 287 | Maximum likelihood DOA estimation and detection without eigendecomposition. , 1992, , . | | 3 |
| 288 | Multiple invariance ESPRIT. IEEE Transactions on Signal Processing, 1992, 40, 867-881. | 5.3 | 191 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 289 | A performance analysis of subspace-based methods in the presence of model errors. I. The MUSIC algorithm. IEEE Transactions on Signal Processing, 1992, 40, 1758-1774. | 5.3 | 373 |
| 290 | DOA identifiability for rotationally invariant arrays. IEEE Transactions on Signal Processing, 1992, 40, 1825-1828. | 5.3 | 3 |
| 291 | System Identification via Weighted Subspace Fitting. , 1992, , . | | 3 |
| 292 | On the sensitivity of the ESPRIT algorithm to non-identical subarrays. Sadhana - Academy Proceedings in Engineering Sciences, 1990, 15, 197-212. | 1.3 | 6 |
| 293 | Robust algorithms for direction-finding in the presence of model errors. , 1990, , . | | 15 |
| 294 | 2-D parameter estimation using arrays with multidimensional invariance structure. , 1989, , . | | 13 |
| 295 | An analysis of MUSIC and root-MUSIC in the presence of sensor perturbations. , 1989, , . | | 14 |
| 296 | Suboptimal Subspace-Fitting Methods For Multidimensional Signal Parameter Estimation. Proceedings of SPIE, 1989, 1152, 197. | 0.8 | 5 |
| 297 | ESPRIT And Uniform Linear Arrays. Proceedings of SPIE, 1989, , . | 0.8 | 4 |
| 298 | Near-Field Source Parameter Estimation Using A Spatial Wigner Distribution Approach. Proceedings of SPIE, 1988, 0975, 86. | 0.8 | 9 |
| 299 | Decision-Directed Multivariate Empirical Bayes Classification with Nonstationary Priors. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1987, PAMI-9, 644-660. | 13.9 | 5 |
| 300 | Closed-form blind and semi-blind estimation of linear receivers for space-time coding. , 0, , . | | 1 |
| 301 | Passive direction-of-arrival and range estimation for near-field sources. , 0, , . | | 109 |
| 302 | Detection and estimation using the third moment matrix. , 0, , . | | 14 |
| 303 | An analysis of subspace fitting algorithms in the presence of sensor errors. , 0, , . | | 16 |
| 304 | Signal copy with array calibration errors. , 0, , . | | 6 |
| 305 | Improved signal copy with partially known or unknown array response. , 0, , . | | 1 |
| 306 | DF directed multipath equalization. , 0, , . | | 4 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 307 | A Bayesian approach to direction finding with parametric array uncertainty. , 0, , . | | 4 |
| 308 | Optimal direction finding with partially calibrated arrays. , 0, , . | | 3 |
| 309 | Maximum SINR beamforming for correlated sources. , 0, , . | | 9 |
| 310 | A maximum a posteriori approach to beamforming in the presence of calibration errors. , 0, , . | | 14 |
| 311 | Algorithms for blind equalization with multiple antennas based on frequency domain subspaces. , 0, , . | | 17 |
| 312 | Synchronization and spatial signature estimation for multiple known co-channel signals. , 0, , . | | 3 |
| 313 | Experiments in modeling the space-time indoor wireless communication channel. , 0, , . | | 2 |
| 314 | Blind sequential symbol estimation of co-channel finite alphabet signals. , 0, , . | | 6 |
| 315 | Some experiments with array data collected in actual urban and suburban environments. , 0, , . | | 15 |
| 316 | A time domain method for joint estimation of time delays, Doppler shifts and spatial signatures. , 0, , . | | 1 |
| 317 | Robust weighted subspace fitting in the presence of array model errors. , 0, , . | | 0 |
| 318 | Resolution of overlapping Doppler shifted echoes. , 0, , . | | 1 |
| 319 | Measurement and modeling of temporal and spatial indoor multipath characteristics. , 0, , . | | 2 |
| 320 | A space-time semi-blind equalizer based on constant modulus and decision-direction. , 0, , . | | 3 |
| 321 | Fixed-window constant modulus algorithms: adaptive implementations. , 0, , . | | 1 |
| 322 | A reduced-complexity and asymptotically efficient time-delay estimator. , 0, , . | | 1 |
| 323 | MIMO environmental capacity sensitivity. , 0, , . | | 25 |
| 324 | A statistical subspace method for blind channel identification in OFDM communications. , 0, , . | | 32 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 325 | Simultaneous channel estimation and decoding for diagonal space-time codes. , 0, , . | | 15 |
| 326 | Application of MUSIC to arrays with multiple invariances. , 0, , . | | 8 |
| 327 | A polynomial rooting approach for synchronization in multipath channels using antenna arrays. , 0, , . | | 0 |
| 328 | Experimental measurements of capacity for MIMO indoor wireless channels. , 0, , . | | 8 |
| 329 | Wireless indoor channel modeling: statistical agreement of ray tracing simulations and channel sounding measurements. , 0, , . | | 52 |
| 330 | On the performance of multicarrier CDMA using multiple transmitters. , 0, , . | | 1 |
| 331 | Performance of unitary space-time modulation in a continuously changing channel. , 0, , . | | 6 |
| 332 | Blind separation of space-time block coded signals via the analytic constant modulus algorithm. , 0, , . | | 4 |
| 333 | MIMO technology for point-to-point and multi-user wireless communication. , 0, , . | | 0 |
| 334 | STAP detection using space-time autoregressive filtering. , 0, , . | | 5 |
| 335 | Simultaneous blind equalization and decoding of multiple coded co-channel signals. , 0, , . | | 1 |