

Josef A Nossek

List of Publications by Year in descending order

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220
papers

3,145
citations

361045

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329751

37
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221
all docs

221
docs citations

221
times ranked

1902
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Discrete-time cellular neural networks. International Journal of Circuit Theory and Applications, 1992, 20, 453-467. | 1.3 | 224 |
| 2 | On Ultra-Wideband MIMO Systems with 1-bit Quantized Outputs: Performance Analysis and Input Optimization. , 2007, , . | | 144 |
| 3 | Toward a Circuit Theory of Communication. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 1663-1683. | 3.5 | 123 |
| 4 | On the condition number distribution of complex wishart matrices. IEEE Transactions on Communications, 2010, 58, 1705-1717. | 4.9 | 105 |
| 5 | Transmit processing with low resolution D/A-converters. , 2009, , . | | 94 |
| 6 | Multiple parameter estimation with quantized channel output. , 2010, , . | | 91 |
| 7 | Maximum likelihood delay estimation in a navigation receiver for aeronautical applications. Aerospace Science and Technology, 2008, 12, 256-267. | 2.5 | 90 |
| 8 | 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. | 7.3 | 81 |
| 9 | Cellular neural networks: Theory and circuit design. International Journal of Circuit Theory and Applications, 1992, 20, 533-553. | 1.3 | 75 |
| 10 | Analysis of Rayleigh-fading channels with 1-bit quantized output. , 2008, , . | | 73 |
| 11 | MMSE subcarrier equalization for filter bank based multicarrier systems. , 2008, , . | | 69 |
| 12 | Quantized Constant Envelope Precoding With PSK and QAM Signaling. IEEE Transactions on Wireless Communications, 2018, 17, 8022-8034. | 6.1 | 69 |
| 13 | MMSE precoder for massive MIMO using 1-bit quantization. , 2016, , . | | 66 |
| 14 | Achievable Rate and Energy Efficiency of Hybrid and Digital Beamforming Receivers With Low Resolution ADC. IEEE Journal on Selected Areas in Communications, 2017, 35, 2056-2068. | 9.7 | 64 |
| 15 | ZF Detectors over Correlated K Fading MIMO Channels. IEEE Transactions on Communications, 2011, 59, 1591-1603. | 4.9 | 58 |
| 16 | Exploiting the short-term and long-term channel properties in space and time: Eigenbeamforming concepts for the BS in WCDMA. European Transactions on Telecommunications, 2001, 12, 365-378. | 1.2 | 52 |
| 17 | On the Capacity of Generalized-K Fading MIMO Channels. IEEE Transactions on Signal Processing, 2010, 58, 5939-5944. | 3.2 | 52 |
| 18 | Minimum BER precoding in 1-Bit massive MIMO systems. , 2016, , . | | 51 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Power efficiency in communication systems from a circuit perspective. , 2011, , . | | 45 |
| 20 | Performance Analysis for Channel Estimation With 1-Bit ADC and Unknown Quantization Threshold. IEEE Transactions on Signal Processing, 2018, 66, 2557-2571. | 3.2 | 44 |
| 21 | Capacity and coding for quantized MIMO systems. , 2006, , . | | 42 |
| 22 | A Lower Bound for the Fisher Information Measure. IEEE Signal Processing Letters, 2014, 21, 796-799. | 2.1 | 40 |
| 23 | 1-bit direction of arrival estimation based on Compressed Sensing. , 2015, , . | | 39 |
| 24 | Massive MIMO downlink 1-bit precoding with linear programming for PSK signaling. , 2017, , . | | 38 |
| 25 | Rate Balancing in Multiuser MIMO OFDM Systems. IEEE Transactions on Communications, 2009, 57, 1370-1380. | 4.9 | 36 |
| 26 | DESIGN AND LEARNING WITH CELLULAR NEURAL NETWORKS. International Journal of Circuit Theory and Applications, 1996, 24, 15-24. | 1.3 | 32 |
| 27 | The Multiport Communication Theory. IEEE Circuits and Systems Magazine, 2014, 14, 27-44. | 2.6 | 32 |
| 28 | Channel estimation in massive MIMO systems using 1-bit quantization. , 2016, , . | | 30 |
| 29 | Mutual Information Statistics and Beamforming Performance Analysis of Optimized LoS MIMO Systems. IEEE Transactions on Communications, 2010, 58, 3316-3329. | 4.9 | 29 |
| 30 | Modeling and minimization of transceiver power consumption in wireless networks. , 2011, , . | | 29 |
| 31 | The Extended Invariance Principle for Signal Parameter Estimation in an Unknown Spatial Field. IEEE Transactions on Signal Processing, 2011, 59, 3213-3225. | 3.2 | 29 |
| 32 | Belief propagation based MIMO detection operating on quantized channel output. , 2010, , . | | 28 |
| 33 | Out-Of-Band Radiation in Multicarrier Systems: A Comparison. , 2007, , 107-116. | | 27 |
| 34 | Analysis of 1-bit output noncoherent fading channels in the low SNR regime. , 2009, , . | | 27 |
| 35 | Circuit aware design of power-efficient short range communication systems. , 2010, , . | | 27 |
| 36 | Challenges in Coding for Quantized MIMO Systems. , 2006, , . | | 26 |

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|----|---|-----|-----------|
| 37 | Delayed Single-Tap Frequency-Domain Chromatic-Dispersion Compensation. IEEE Photonics Technology Letters, 2013, 25, 167-170. | 1.3 | 25 |
| 38 | Maximum likelihood detection for quantized MIMO systems. , 2008, , . | | 24 |
| 39 | MMSE subchannel decision feedback equalization for filter bank based multicarrier systems. , 2009, , . | | 24 |
| 40 | Training-Aided Frequency-Domain Channel Estimation and Equalization for Single-Carrier Coherent Optical Transmission Systems. Journal of Lightwave Technology, 2014, 32, 4849-4863. | 2.7 | 23 |
| 41 | On the effects of carrier frequency offset on cyclic prefix based OFDM and filter bank based multicarrier systems. , 2010, , . | | 22 |
| 42 | An iterative receiver for quantized MIMO systems. , 2012, , . | | 22 |
| 43 | Multi-Array 5G V2V Relative Positioning: Performance Bounds. , 2018, , . | | 22 |
| 44 | Intercell-Interference in the Gaussian MISO Broadcast Channel. , 2007, , . | | 20 |
| 45 | Overdemodulation for High-Performance Receivers with Low-Resolution ADC. IEEE Wireless Communications Letters, 2015, 4, 169-172. | 3.2 | 19 |
| 46 | Efficient reconstruction of sparse vectors from quantized observations. , 2012, , . | | 18 |
| 47 | Near-Field MIMO Communication Links. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 3027-3036. | 3.5 | 18 |
| 48 | Maximizing LoS MIMO capacity using reconfigurable antenna arrays. , 2010, , . | | 17 |
| 49 | Asymptotic Parameter Tracking Performance With Measurement Data of 1-Bit Resolution. IEEE Transactions on Signal Processing, 2015, 63, 6086-6095. | 3.2 | 17 |
| 50 | Performance Limits of Single-Anchor Millimeter-Wave Positioning. IEEE Transactions on Wireless Communications, 2019, 18, 5196-5210. | 6.1 | 16 |
| 51 | Multuser MIMO Channel Measurements and Performance in a Large Office Environment. , 2007, , . | | 15 |
| 52 | Power Allocation and Parameter Estimation for Multipath-Based 5G Positioning. IEEE Transactions on Wireless Communications, 2021, 20, 7302-7316. | 6.1 | 15 |
| 53 | Models and analysis of streaming video transmission over wireless fading channels. Signal Processing: Image Communication, 2009, 24, 651-665. | 1.8 | 14 |
| 54 | Adaptive equalization for filter bank based multicarrier systems. , 2008, , . | | 13 |

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|----|---|-----|-----------|
| 55 | Sparse multipath MIMO channels: Performance implications based on measurement data. , 2009, , . | | 13 |
| 56 | Spatial MIMO decision feedback equalizer operating on quantized data. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , . | 1.8 | 12 |
| 57 | Throughput maximizing transmission strategy of energy harvesting nodes. , 2011, , . | | 12 |
| 58 | Quantization-loss reduction for signal parameter estimation. , 2013, , . | | 12 |
| 59 | Improved circuit for switched-capacitor simulation of an inductor. Electronics Letters, 1980, 16, 141. | 0.5 | 11 |
| 60 | Adaptive decision feedback equalization for filter bank based multicarrier systems. , 2009, , . | | 11 |
| 61 | 5G Downlink Multi-Beam Signal Design for LOS Positioning. , 2019, , . | | 11 |
| 62 | Reconsidering Linear Transmit Signal Processing in 1-Bit Quantized Multi-User MISO Systems. IEEE Transactions on Wireless Communications, 2019, 18, 254-267. | 6.1 | 11 |
| 63 | Channel parameter estimation for millimeter-wave cellular systems with hybrid beamforming. Signal Processing, 2020, 176, 107715. | 2.1 | 11 |
| 64 | Massive MIMO Channel Estimation With Low-Resolution Spatial Sigma-Delta ADCs. IEEE Access, 2021, 9, 109320-109334. | 2.6 | 11 |
| 65 | Transceiver design in multiuser MISO systems with imperfect transmit CSI. , 2010, , . | | 10 |
| 66 | Optimized “better than” raised-cosine pulse for reduced ICI in OFDM systems. , 2010, , . | | 10 |
| 67 | Structured subchannel impulse response estimation for Filter Bank based Multicarrier systems. , 2012, , . | | 10 |
| 68 | A signal adaptive array interpolation approach with reduced transformation bias for DOA estimation of highly correlated signals. , 2014, , . | | 10 |
| 69 | Massive MIMO downlink 1-bit precoding for frequency selective channels. , 2017, , . | | 10 |
| 70 | The maximum achievable array gain under physical transmit power constraint. , 2008, , . | | 9 |
| 71 | Covariance based signal parameter estimation of coarse quantized signals. , 2015, , . | | 9 |
| 72 | Joint MMSE precoder and equalizer for massive MIMO using 1-bit quantization. , 2017, , . | | 9 |

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|----|---|-----|-----------|
| 73 | A Pessimistic Approximation for the Fisher Information Measure. IEEE Transactions on Signal Processing, 2017, 65, 386-396. | 3.2 | 9 |
| 74 | Compact Uniform Circular Quarter-Wavelength Monopole Antenna Arrays With Wideband Decoupling and Matching Networks. IEEE Transactions on Antennas and Propagation, 2021, 69, 769-783. | 3.1 | 9 |
| 75 | On maximizing the sum network MISO broadcast capacity. , 2008, , . | | 8 |
| 76 | Optimum chip pulse shape design for timing synchronization. , 2011, , . | | 8 |
| 77 | Circuit-Aware Cognitive Radios for Energy-Efficient Communications. IEEE Wireless Communications Letters, 2013, 2, 323-326. | 3.2 | 8 |
| 78 | Efficient Training-Based Channel Estimation for Coherent Optical Communication Systems. , 2012, , . | | 8 |
| 79 | How to choose the ADC resolution for short range low power communication?. , 2010, , . | | 7 |
| 80 | Throughput maximization for energy harvesting nodes with generalized circuit power modelling. , 2012, , . | | 7 |
| 81 | Multi-satellite time-delay estimation for reliable high-resolution GNSS receivers. , 2012, , . | | 7 |
| 82 | Information-Preserving Transformations for Signal Parameter Estimation. IEEE Signal Processing Letters, 2014, 21, 866-870. | 2.1 | 7 |
| 83 | Precoder and equalizer design for multi-user MIMO FBMC/OQAM with highly frequency selective channels. , 2015, , . | | 7 |
| 84 | Spectral shaping with low resolution signals. , 2015, , . | | 7 |
| 85 | Efficient filter bank multicarrier realizations for 5G. , 2015, , . | | 7 |
| 86 | On PAPR characteristics of DFT-s-OFDM with geometric and probabilistic constellation shaping. , 2017, , . | | 7 |
| 87 | Low SNR Asymptotic Rates of Vector Channels With One-Bit Outputs. IEEE Transactions on Information Theory, 2020, 66, 7615-7634. | 1.5 | 7 |
| 88 | 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 |
| 89 | High-efficiency super-gain antenna arrays. , 2010, , . | | 6 |
| 90 | Gaussian multiple access channel with compact antenna arrays. , 2011, , . | | 6 |

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| 91 | Will the 1-bit GNSS receiver prevail?. , 2014, , . | | 6 |
| 92 | 3D antenna patterning for MIMO and phased-array systems: Energy-based built-in-self-test for multiphysics co-design. , 2017, , . | | 6 |
| 93 | Rank-One Detector for Kronecker-Structured Constant Modulus Constellations. IEEE Signal Processing Letters, 2020, 27, 1420-1424. | 2.1 | 6 |
| 94 | Two-Dimensional Channel Parameter Estimation for Millimeter-Wave Systems Using Butler Matrices. IEEE Transactions on Wireless Communications, 2021, 20, 2670-2684. | 6.1 | 6 |
| 95 | Construction of interpretable Radial Basis Function classifiers based on the Random Forest kernel. , 2008, , . | | 5 |
| 96 | Achieving near-capacity on large discrete memoryless channels with uniform distributed selected input. , 2008, , . | | 5 |
| 97 | Circumventing base station cooperation through Kalman prediction of intercell interference. , 2008, , . | | 5 |
| 98 | Transmit and receive array gain of uniform linear arrays of isotrops. , 2009, , . | | 5 |
| 99 | Optimal resource allocation in the downlink/uplink of single-user MISO/SIMO FDD systems with limited feedback. , 2009, , . | | 5 |
| 100 | A Kalman Filter Approach To Clock Synchronization Of Cascaded Network Elements*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 54-59. | 0.4 | 5 |
| 101 | Scheduling and resource allocation in OFDM and FBMC systems: An interactive approach and performance comparison. , 2010, , . | | 5 |
| 102 | Mitigation of intercell interference without base station cooperation. , 2010, , . | | 5 |
| 103 | Probabilistic power control for heterogeneous cellular networks with closed-access femtocells. , 2011, , . | | 5 |
| 104 | Average throughput maximization for energy harvesting transmitters with causal energy arrival information. , 2013, , . | | 5 |
| 105 | Performance analysis for pilot-based 1-bit channel estimation with unknown quantization threshold. , 2016, , . | | 5 |
| 106 | FBMC-OQAM with phase noise: Achievable performance and compensation. , 2017, , . | | 5 |
| 107 | Precoding under instantaneous per-antenna peak power constraint. , 2017, , . | | 5 |
| 108 | Lowâ€Complexity separable beamformers for massive antenna array systems. IET Signal Processing, 2019, 13, 434-442. | 0.9 | 5 |

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| 109 | Rate-Invariant User Preselection for Complexity Reduction in Multiuser MIMO Systems. , 2008, , . | | 4 |
| 110 | On the Problem of Bandwidth Partitioning in FDD Block-Fading Single-User MISO/SIMO Systems. Eurasip Journal on Advances in Signal Processing, 2008, 2008, . | 1.0 | 4 |
| 111 | On two cross-layer assisted resource allocation schemes in multiuser multicarrier systems. , 2009, , . | | 4 |
| 112 | On energy efficient cross-layer assisted resource allocation in multiuser multicarrier systems. , 2009, , . | | 4 |
| 113 | Region 8: Importance of basic principles. IEEE Circuits and Systems Magazine, 2009, 9, 37-38. | 2.6 | 4 |
| 114 | Transceiver Design in Multiuser MISO Systems with Limited Feedback. , 2010, , . | | 4 |
| 115 | Channel-adaptive coding for coarsely quantized MIMO systems. , 2010, , . | | 4 |
| 116 | Nullators and norators in circuits education: A benefit or an obstacle?. , 2011, , . | | 4 |
| 117 | Quantized CDI Based Tomlinson Harashima Precoding for Broadcast Channels. , 2011, , . | | 4 |
| 118 | Spectral efficient channel estimation algorithms for FBMC/OQAM systems: A comparison. , 2014, , . | | 4 |
| 119 | Optimum analog receive filters for detection and inference under a sampling rate constraint. , 2014, , . | | 4 |
| 120 | Power- and spectral efficient communication system design using 1-bit quantization. , 2015, , . | | 4 |
| 121 | Analysis of a near field MIMO wireless channel using 5.6 GHz dipole antennas. , 2016, , . | | 4 |
| 122 | Performance analysis of FBMC and CP-OFDM in the presence of phase noise. , 2017, , . | | 4 |
| 123 | LNA characterization methodologies. International Journal of Circuit Theory and Applications, 2017, 45, 1185-1202. | 1.3 | 4 |
| 124 | Multiport model of hertzian dipoles coupled in the near-field. , 2017, , . | | 4 |
| 125 | Limits of Transmit and Receive Array Gain in Massive MIMO. , 2020, , . | | 4 |
| 126 | Iterative linear MMSE transmit and receive strategies for cellular MIMO networks. , 2009, , . | | 3 |

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| 127 | Efficient SER measurement method for OFDM receivers with nonlinear distortion. , 2009, , . | | 3 |
| 128 | Physical modeling of communication systems in information theory. , 2009, , . | | 3 |
| 129 | On Multiuser MIMO Multistream Transmission. IEEE Transactions on Vehicular Technology, 2009, 58, 5336-5341. | 3.9 | 3 |
| 130 | Packet scheduling and resource allocation for downlink multicarrier systems with quality-of-service constraints. , 2011, , . | | 3 |
| 131 | How much training is needed for interference coordination in cellular networks?. , 2011, , . | | 3 |
| 132 | CD equalization with non-maximally decimated DFT filter bank. , 2012, , . | | 3 |
| 133 | Throughput maximization for energy harvesting nodes transmitting over time-varying channels. , 2013, , . | | 3 |
| 134 | Minimizing the energy per bit for pilot-assisted data transmission over quantized channels. , 2014, , . | | 3 |
| 135 | Estimation of rank deficient covariance matrices with Kronecker structure. , 2014, , . | | 3 |
| 136 | Efficient frequency-domain fractionally-spaced equalizer for flexible digital coherent optical receivers. , 2015, , . | | 3 |
| 137 | Signal parameter estimation performance under a sampling rate constraint. , 2015, , . | | 3 |
| 138 | Spatial coding based on minimum BER in 1-bit massive MIMO systems. , 2016, , . | | 3 |
| 139 | A compact Hertzian dipoles multiport model for near-field MIMO system assessment. , 2018, , . | | 3 |
| 140 | Quantized Constant Envelope Precoding for Frequency Selective Channels. , 2018, , . | | 3 |
| 141 | Robust massive MIMO equalization for mmWave systems with low resolution ADCs. , 2018, , . | | 3 |
| 142 | On Reciprocity in Physically Consistent TDD Systems With Coupled Antennas. IEEE Transactions on Wireless Communications, 2020, 19, 6440-6453. | 6.1 | 3 |
| 143 | 1-Bit Precoding for Massive MIMO Downlink with Linear Programming and a Greedy Algorithm Extension. , 2021, , . | | 3 |
| 144 | PDL Monitoring based on the Eigenvalues Spread of a Data-Aided Zero-Forcing Frequency Domain Equalizer. , 2012, , . | | 3 |

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| 145 | QoS-constrained Energy Minimization in Multiuser Multicarrier Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 185-195. | 0.2 | 3 |
| 146 | Low complexity blind estimation of the carrier frequency offset in multicarrier systems. , 2008, , . | | 2 |
| 147 | A QoS-providing resource allocation scheme in multiuser multicarrier systems. , 2009, , . | | 2 |
| 148 | Achievable rates in the SIMO-Uplink/MISO-downlink of an FDD system with imperfect CSI. , 2009, , . | | 2 |
| 149 | Clock synchronization based on distributed hidden state estimation. , 2009, , . | | 2 |
| 150 | Enhancing the Network Sum-Rate without Sharing Channel State Information between Base Stations. , 2010, , . | | 2 |
| 151 | Cost-constrained transmit processing in wireless cellular networks with universal frequency reuse. , 2010, , . | | 2 |
| 152 | Gaussian multiple access channel with compact antenna arrays. , 2011, , . | | 2 |
| 153 | Optimal QoS-Constrained Resource Allocation in Downlink and Uplink Multicarrier Systems. , 2011, , . | | 2 |
| 154 | On the relation of circuit theory and signals, systems and communications. , 2011, , . | | 2 |
| 155 | Training based Channel Estimation for Signal Equalization and OPM in 16 QAM Optical Transmission Systems. , 2012, , . | | 2 |
| 156 | Two-Phase Scheduling and Leakage-Based Precoding in Wireless Cellular Networks. IEEE Transactions on Wireless Communications, 2013, 12, 3148-3157. | 6.1 | 2 |
| 157 | Low-Complexity Training-Aided 2 \times 2 MIMO Frequency Domain Fractionally-Spaced Equalization. , 2014, , . | | 2 |
| 158 | Space-time adaptive principle component analysis for time-delay estimation. , 2014, , . | | 2 |
| 159 | Design of Single User Limited Feedback Systems. IEEE Transactions on Wireless Communications, 2014, 13, 5812-5825. | 6.1 | 2 |
| 160 | Weighted sum rate maximization with multiple linear conic constraints. , 2015, , . | | 2 |
| 161 | Measurement-driven quality assessment of nonlinear systems by exponential replacement. , 2016, , . | | 2 |
| 162 | MAC rate region of low resolution ADC digital and hybrid beamforming massive MIMO UL. , 2017, , . | | 2 |

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| 163 | Arbitrary Beam Synthesis of Hybrid Beamforming Systems for Beam Training. IEEE Wireless Communications Letters, 2017, 6, 714-717. | 3.2 | 2 |
| 164 | Performance comparison of hybrid and digital beamforming with transmitter impairments. , 2017, , . | | 2 |
| 165 | On the Impact of the Mutual Reactance on the Radiated Power and on the Achievable Rates. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1179-1183. | 2.2 | 2 |
| 166 | On the Statistical Properties of Constant Envelope Quantizers. IEEE Wireless Communications Letters, 2018, 7, 1006-1009. | 3.2 | 2 |
| 167 | Space-Constrained Mixed-ADC Massive MIMO. , 2019, , . | | 2 |
| 168 | Position Information From Reflecting Surfaces. IEEE Wireless Communications Letters, 2021, 10, 1300-1304. | 3.2 | 2 |
| 169 | Sparse Linear Precoders For Mitigating Nonlinearities In Massive MIMO. , 2021, , . | | 2 |
| 170 | Maximizing the SDMA Mobile Radio Capacity Increase by DOA Sensitive Channel Allocation. Wireless Personal Communications, 1999, 11, 63-77. | 1.8 | 1 |
| 171 | Field modelling of a multiconductor digital bus. , 2007, , . | | 1 |
| 172 | Energy conserving model for the channel power-gain in wireless multi-user downlink scenarios. , 2008, , . | | 1 |
| 173 | Time delay estimation in a spatially structured model using decoupled estimators for temporal and spatial parameters. , 2008, , . | | 1 |
| 174 | Equalization of multiuser MIMO high speed downlink packet access. , 2008, , . | | 1 |
| 175 | The why and how of multiantenna systems. , 2008, , . | | 1 |
| 176 | Covariance based linear precoding in the case of identical longterm channel state information. , 2008, , . | | 1 |
| 177 | Analytic Framework for the Mutual Information Cumulants of Different MIMO Fading Channels. , 2010, , . | | 1 |
| 178 | High-efficiency super-gain antenna arrays. , 2010, , . | | 1 |
| 179 | Multiuser diversity with limited feedback. , 2011, , . | | 1 |
| 180 | On multistreaming with compact antenna arrays. , 2011, , . | | 1 |

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| 181 | FDD overhead optimization for a multiuser two-way system with imperfect CSI. , 2011, , . | | 1 |
| 182 | On the relation of circuit theory and signals, systems and communications. AEU - International Journal of Electronics and Communications, 2011, 65, 713-717. | 1.7 | 1 |
| 183 | Scalar quantizer based feedback of the Channel Direction Information in MU-MISO systems. , 2011, , . | | 1 |
| 184 | On the physical meaning of the model of two uncoupled isotrops. , 2012, , . | | 1 |
| 185 | Handling unknown interference in cellular networks with interference coordination. , 2012, , . | | 1 |
| 186 | Frequency domain training-aided channel estimation and equalization in time-varying optical transmission systems. , 2012, , . | | 1 |
| 187 | Training-aided frequency offset estimation in 16-QAM Nyquist transmission systems. , 2013, , . | | 1 |
| 188 | Single-Stage FDE Supported by Training-Aided Channel Estimation for Coherent Optical Receivers. , 2013, , . | | 1 |
| 189 | Energy-constrained throughput maximization for point-to-point communications. , 2014, , . | | 1 |
| 190 | Experimental demonstration of single-stage frequency domain equalization for single-carrier coherent receivers. , 2014, , . | | 1 |
| 191 | Joint optimization of transmission and reception policies for energy harvesting nodes. , 2015, , . | | 1 |
| 192 | LNA noise parameter measurement. , 2015, , . | | 1 |
| 193 | A Hybrid Approach for Multi-User Massive MIMO Sparse Channel Estimation Based on Bayesian Recovery and Hard Thresholding. , 2015, , . | | 1 |
| 194 | DFE/THP duality for FBMC with highly frequency selective channels. , 2015, , . | | 1 |
| 195 | Are Traditional Signal Processing Techniques Rate Maximizing in Quantized SU-MISO Systems?. , 2017, , . | | 1 |
| 196 | Multi-Linear Encoding and Decoding for MIMO Systems. , 2020, , . | | 1 |
| 197 | Ingenieurausbildung im Umbruch. Elektrotechnik Und Informationstechnik, 2006, 123, 495-495. | 0.7 | 0 |
| 198 | Multiuser diversity and beamforming gain in a fast fading MU-MISO downlink with many users. , 2008, , . | | 0 |

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| 199 | Conjugate gradient based MMSE Decision Feedback Equalization. , 2008, , . | | 0 |
| 200 | 2008 Awards [Recognitions]. IEEE Circuits and Systems Magazine, 2008, 8, 86-88. | 2.6 | 0 |
| 201 | MMSE based FDD overhead optimization for a multiuser two-way system. , 2011, , . | | 0 |
| 202 | A method to convert near-perfect into perfect reconstruction FIR prototype filters for modulated filter banks. , 2011, , . | | 0 |
| 203 | Multiuser feedback design with multiple receive antennas. , 2011, , . | | 0 |
| 204 | Information theoretic analysis of concurrent information transfer and power gain. , 2012, , . | | 0 |
| 205 | Fun examples for teaching linear and nonlinear circuits. , 2013, , . | | 0 |
| 206 | Experimental Demonstration of Joint Frame Synchronization and Carrier-Frequency Estimation for Training-Aided Digital Coherent Receivers. , 2014, , . | | 0 |
| 207 | Precoding for systems with soft combining to counteract instationary intercell interference. , 2014, , . | | 0 |
| 208 | Optimizing the energy efficiency of SIMO receivers with compact uniform linear arrays. , 2014, , . | | 0 |
| 209 | Discrete-Time Signals and Systems. Academic Press Library in Signal Processing, 2014, 1, 79-112. | 0.8 | 0 |
| 210 | A Leaner Carrier for the New 5G Air Interface. , 2015, , . | | 0 |
| 211 | A Bayesian Sparse Reconstruction Framework for Mitigation of Non-Linear Effects in OFDM Systems. , 2016, , . | | 0 |
| 212 | Asymptotic performance analysis for 1-bit Bayesian smoothing. , 2016, , . | | 0 |
| 213 | Frequency-domain analysis of linear periodically time-varying FBMC systems. , 2016, , . | | 0 |
| 214 | Cell Search for a Millimeter Wave Cellular System with 1-Bit Quantization at the Receiver. , 2016, , . | | 0 |
| 215 | Multipoint model of Hertzian dipoles coupled in the near-field. , 2017, , . | | 0 |
| 216 | Non-interfering channels in a near-field MIMO communication. , 2017, , . | | 0 |

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| 217 | Are the Data Rates Predicted by the Analytic Analysis of Receivers with Low Resolution ADCs Achievable?. , 2018, , . | | 0 |
| 218 | PDL-aware In-band OSNR Monitoring based on the Spectral Properties of Concatenated CAZAC Sequences. , 2012, , . | | 0 |
| 219 | Delayed Single-tap Subband Processing for Chromatic Dispersion Compensation. , 2013, , . | | 0 |
| 220 | Training-Aided 2 \times 2 MIMO Channel Estimation with Frequency-Offset Tolerant Update. , 2013, , . | | 0 |