

Josef A Nossek

List of Publications by Year in descending order

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220
papers

3,145
citations

361413

20
h-index

330143

37
g-index

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.	2.0	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.	5.4	123
4	On the condition number distribution of complex wishart matrices. IEEE Transactions on Communications, 2010, 58, 1705-1717.	7.8	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.	4.8	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.	10.8	81
9	Cellular neural networks: Theory and circuit design. International Journal of Circuit Theory and Applications, 1992, 20, 533-553.	2.0	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.	9.2	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.	14.0	64
15	ZF Detectors over Correlated K Fading MIMO Channels. IEEE Transactions on Communications, 2011, 59, 1591-1603.	7.8	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.	5.3	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.	5.3	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.	3.6	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.	7.8	36
26	DESIGN AND LEARNING WITH CELLULAR NEURAL NETWORKS. International Journal of Circuit Theory and Applications, 1996, 24, 15-24.	2.0	32
27	The Multiport Communication Theory. IEEE Circuits and Systems Magazine, 2014, 14, 27-44.	2.3	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.	7.8	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.	5.3	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.	2.5	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.	4.6	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.	5.0	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.	5.4	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.	5.3	17
50	Performance Limits of Single-Anchor Millimeter-Wave Positioning. IEEE Transactions on Wireless Communications, 2019, 18, 5196-5210.	9.2	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.	9.2	15
53	Models and analysis of streaming video transmission over wireless fading channels. Signal Processing: Image Communication, 2009, 24, 651-665.	3.2	14
54	Adaptive equalization for filter bank based multicarrier systems. , 2008, , .		13

#	ARTICLE	IF	CITATIONS
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.	1.0	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.	9.2	11
63	Channel parameter estimation for millimeter-wave cellular systems with hybrid beamforming. Signal Processing, 2020, 176, 107715.	3.7	11
64	Massive MIMO Channel Estimation With Low-Resolution Spatial Sigma-Delta ADCs. IEEE Access, 2021, 9, 109320-109334.	4.2	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.	5.3	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.	5.1	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.	5.0	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.	3.6	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.	2.4	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.	3.6	6
94	Two-Dimensional Channel Parameter Estimation for Millimeter-Wave Systems Using Butler Matrices. IEEE Transactions on Wireless Communications, 2021, 20, 2670-2684.	9.2	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.	1.5	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, .	1.7	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.	2.3	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.	2.0	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.	6.3	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.	9.2	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.	0.3	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.	9.2	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.	9.2	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.	5.0	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.	3.0	2
166	On the Statistical Properties of Constant Envelope Quantizers. IEEE Wireless Communications Letters, 2018, 7, 1006-1009.	5.0	2
167	Space-Constrained Mixed-ADC Massive MIMO. , 2019, , .		2
168	Position Information From Reflecting Surfaces. IEEE Wireless Communications Letters, 2021, 10, 1300-1304.	5.0	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.	2.7	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.	2.9	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.	1.1	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.	2.3	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