

# Markku J Juntti

## List of Publications by Year in descending order

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421  
papers

6,772  
citations

76294

40  
h-index

114418

63  
g-index

424  
all docs

424  
docs citations

424  
times ranked

4129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi Stage Kalman Filter (MSKF) Based Time-Varying Sparse Channel Estimation With Fast Convergence. IEEE Open Journal of Signal Processing, 2022, 3, 21-35.	2.3	3
2	Deep Learning for Massive MIMO Uplink Detectors. IEEE Communications Surveys and Tutorials, 2022, 24, 741-766.	24.8	32
3	Free Space Loss and Atmospheric Effects. Springer Series in Optical Sciences, 2022, , 51-64.	0.5	1
4	Learning to Estimate RIS-Aided mmWave Channels. IEEE Wireless Communications Letters, 2022, 11, 841-845.	3.2	15
5	Hybrid Relay-Reflecting Intelligent Surface-Assisted Wireless Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 6228-6244.	3.9	30
6	MIMO Evolution Beyond 5G Through Reconfigurable Intelligent Surfaces and Fluid Antenna Systems. Proceedings of the IEEE, 2022, 110, 1244-1265.	16.4	23
7	Initial Results on D Band Channel Measurements in LOS and NLOS Office Corridor Environment. , 2022, , .		2
8	Simultaneous Measurement of Multiple Power Amplifiers for Phased Array Digital Predistortion Using a Shared Dual-Output Feedback. , 2022, , .		0
9	Deep Learning Based Over-the-Air Channel Estimation Using a ZYNQ SDR Platform. IEEE Access, 2022, 10, 60610-60621.	2.6	4
10	Two-Stage Channel Estimation for Hybrid RIS Assisted MIMO Systems. IEEE Transactions on Communications, 2022, 70, 4793-4806.	4.9	13
11	Statistical Digital Predistortion of 5G Millimeter-Wave RF Beamforming Transmitter Under Random Amplitude Variations. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 4284-4296.	2.9	6
12	Beyond 5G RIS mmWave Systems: Where Communication and Localization Meet. IEEE Access, 2022, 10, 68075-68084.	2.6	26
13	Channel Estimation for Hybrid RIS Aided MIMO Communications via Atomic Norm Minimization. , 2022, , .		1
14	Non-Linear Self-Interference Cancellation for Full-Duplex Transceivers Based on Hammerstein-Wiener Model. IEEE Communications Letters, 2021, 25, 3684-3688.	2.5	9
15	FPGA Implementation of Stair Matrix based Massive MIMO Detection. , 2021, , .		1
16	On Spectral Efficiency for Multiuser MISO Systems Under Imperfect Channel Information. IEEE Transactions on Vehicular Technology, 2021, 70, 1946-1951.	3.9	1
17	The Challenges of Artificial Intelligence in Wireless Networks for the Internet of Things: Exploring Opportunities for Growth. IEEE Industrial Electronics Magazine, 2021, 15, 16-29.	2.3	27
18	Interference and Coverage Analysis for Terahertz Networks With Indoor Blockage Effects and Line-of-Sight Access Point Association. IEEE Transactions on Wireless Communications, 2021, 20, 1472-1486.	6.1	56

#	ARTICLE	IF	CITATIONS
19	ASIP for 5G and Beyond: Opportunities and Vision. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 851-857.	2.2	5
20	Channel Modeling and Performance Analysis of Airplane-Satellite Terahertz Band Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 2047-2061.	3.9	30
21	A line-of-sight channel model for the 100-450 gigahertz frequency band. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	1.5	40
22	Passive RIS vs. Hybrid RIS: A Comparative Study on Channel Estimation. , 2021, , .		30
23	ADMM-Based Infinity-Norm Detection for Massive MIMO: Algorithm and VLSI Architecture. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2021, 29, 747-759.	2.1	18
24	Joint User Identification and Channel Estimation via Exploiting Spatial Channel Covariance in mMTC. IEEE Wireless Communications Letters, 2021, 10, 887-891.	3.2	16
25	Coverage Analysis for 3D Terahertz Communication Systems. IEEE Journal on Selected Areas in Communications, 2021, 39, 1817-1832.	9.7	33
26	Leveraging Location Information for RIS-Aided mmWave MIMO Communications. IEEE Wireless Communications Letters, 2021, 10, 1380-1384.	3.2	16
27	Channel Estimation for RIS-Aided mmWave MIMO Systems via Atomic Norm Minimization. IEEE Transactions on Wireless Communications, 2021, 20, 5786-5797.	6.1	123
28	Latency Minimization in Intelligent Reflecting Surface Assisted D2D Offloading Systems. IEEE Communications Letters, 2021, 25, 3046-3050.	2.5	7
29	Survey on reconfigurable intelligent surfaces below 10 GHz. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	1.5	30
30	Channel modeling for reflective phased array type RISs in mmWave networks. , 2021, , .		2
31	Digital Predistortion of Phased-Array Transmitter With Shared Feedback and Far-Field Calibration. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1000-1015.	2.9	23
32	Cooperative Lossy Communications in Unmanned Aerial Vehicle Networks: Age-of-Information With Outage Probability. IEEE Transactions on Vehicular Technology, 2021, 70, 10105-10120.	3.9	6
33	Stochastic Geometry based Interference Analysis of Multiuser mmWave Networks with RIS. , 2021, , .		4
34	User Activity Detection and Channel Estimation of Spatially Correlated Channels via AMP in Massive MTC. , 2021, , .		2
35	Stochastic Geometry Framework for THz Satellite-Airplane Network Analysis. , 2021, , .		2
36	Digital Predistortion of Millimeter-Wave Phased Array Transmitter With Over-the-air Calibrated Simplified Conductive Feedback Architecture. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
37	Self-interference cancelation in the presence of non-linear power amplifier and receiver IQ imbalance. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	1.5	4
38	Large Intelligent Surface for Positioning in Millimeter Wave MIMO Systems. , 2020, , .		94
39	Adaptive Beamforming Design for mmWave RIS-Aided Joint Localization and Communication. , 2020, , .		94
40	Stochastic Analysis of Indoor THz Uplink with Co-Channel Interference and Phase Noise. , 2020, , .		6
41	Compressive sensed video recovery via iterative thresholding with random transforms. IET Image Processing, 2020, 14, 1187-1199.	1.4	9
42	Queue Aware Resource Optimization in Latency Constrained Dynamic Networks. , 2020, , .		0
43	Radio Localization and Mapping With Reconfigurable Intelligent Surfaces: Challenges, Opportunities, and Research Directions. IEEE Vehicular Technology Magazine, 2020, 15, 52-61.	2.8	153
44	Machine Learning Meets Communication Networks: Current Trends and Future Challenges. IEEE Access, 2020, 8, 223418-223460.	2.6	58
45	Fast Adaptive Minorization-Maximization Procedure for Beamforming Design of Downlink NOMA Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 8023-8027.	3.9	5
46	Noncoherent Joint Transmission Beamforming for Dense Small Cell Networks: Global Optimality, Efficient Solution and Distributed Implementation. IEEE Transactions on Wireless Communications, 2020, 19, 5891-5907.	6.1	9
47	Efficient initialisation of iterative linear massive MIMO detectors using a stair matrix. Electronics Letters, 2020, 56, 50-52.	0.5	16
48	Matrix Decomposition for Massive MIMO Detection. , 2020, , .		7
49	A Tutorial on Lossy Forwarding Cooperative Relaying. IEEE Communications Surveys and Tutorials, 2019, 21, 66-87.	24.8	33
50	Massive MIMO Detection Techniques: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 3109-3132.	24.8	264
51	On Unified Vehicular Communications and Radar Sensing in Millimeter-Wave and Low Terahertz Bands. IEEE Wireless Communications, 2019, 26, 146-153.	6.6	66
52	3-D Ray Tracing Based GPU Accelerated Field Prediction Radio Channel Simulator. , 2019, , .		0
53	Efficient Algorithms for Sum Rate Maximization in Fronthaul-Constrained C-RANs. , 2019, , .		0
54	LOS and NLOS Channel Models for Indoor 300 GHz Communications. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
55	Practical Compression Methods for Quantized Compressed Sensing. , 2019, , .		3
56	Channel Estimation Algorithms for Hybrid Antenna Arrays: Performance and Complexity. , 2019, , .		1
57	Simple Molecular Absorption Loss Model for 200â€“450 Gigahertz Frequency Band. , 2019, , .		14
58	Distributed Noncoherent Transmit Beamforming for Dense Small Cell Networks. , 2019, , .		3
59	Rate-Distortion and Outage Probability Analyses for Single Helper Assisted Lossy Communications. IEEE Transactions on Vehicular Technology, 2019, 68, 10882-10894.	3.9	3
60	Rain Induced Co-Channel Interference at 60 GHz and 300 GHz Frequencies. , 2019, , .		7
61	Performance and ASIC Designs of the K-best LSD and LMMSE Detectors for LTE Downlink. Journal of Signal Processing Systems, 2019, 91, 1291-1304.	1.4	0
62	Binary Data Gathering With a Helper in Internet of Things: Distortion Analysis and Performance Evaluation. IEEE Access, 2019, 7, 12855-12867.	2.6	0
63	Power Allocation for Distributed Compressive Sensing with 1-Bit Quantization over Noisy Channels. , 2019, , .		0
64	Signal Reconstruction Performance Under Quantized Noisy Compressed Sensing. , 2019, , .		0
65	Average Linearization of Phased Array Transmitters Under Random Amplitude and Phase Variations. , 2019, , .		4
66	On Approximate Matrix Inversion Methods for Massive MIMO Detectors. , 2019, , .		10
67	Beamforming and Transceiver Optimization with Phase Noise for mmWave and THz Bands. , 2019, , .		5
68	Distributed LT Codes With Improved Error Floor Performance. IEEE Access, 2019, 7, 8102-8110.	2.6	9
69	When IoT Keeps People in the Loop: A Path Towards a New Global Utility. IEEE Communications Magazine, 2019, 57, 114-121.	4.9	57
70	Energy Efficiency Fairness for Multi-Pair Wireless-Powered Relaying Systems. IEEE Journal on Selected Areas in Communications, 2019, 37, 357-373.	9.7	26
71	MIMO Detector for LTE/LTE-A Uplink Receiver. Journal of Signal Processing Systems, 2019, 91, 423-435.	1.4	0
72	Signal Processing for Wireless Transceivers. , 2019, , 251-310.		2

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73	The Impact of Interference From the Side Lanes on mmWave/THz Band V2V Communication Systems With Directional Antennas. IEEE Transactions on Vehicular Technology, 2018, 67, 5028-5041.	3.9	60
74	Distributed Distortion-Rate Optimized Compressed Sensing in Wireless Sensor Networks. IEEE Transactions on Communications, 2018, 66, 1609-1623.	4.9	33
75	Decentralized Joint Precoding With Pilot-Aided Beamformer Estimation. IEEE Transactions on Signal Processing, 2018, 66, 2330-2341.	3.2	22
76	Weighted Max-Min Fairness for C-RAN Multicasting Under Limited Fronthaul Constraints. IEEE Transactions on Communications, 2018, 66, 1534-1548.	4.9	13
77	Programmable ASIPs for Multimode MIMO Transceiver. Journal of Signal Processing Systems, 2018, 90, 1369-1381.	1.4	7
78	Topology Adaptive Sum Rate Maximization in the Downlink of Dynamic Wireless Networks. IEEE Transactions on Communications, 2018, 66, 3501-3516.	4.9	8
79	Performance Analysis of Lossy Decode-and-Forward for Non-Orthogonal MARCs. IEEE Transactions on Wireless Communications, 2018, 17, 1545-1558.	6.1	13
80	Adaptive wireless communications under competition and jamming in energy constrained networks. Wireless Networks, 2018, 24, 151-171.	2.0	1
81	Beamforming and Transceiver HW Design for THz Band. , 2018, , .		7
82	A new look to 275 to 400 GHz band: Channel model and performance evaluation. , 2018, , .		17
83	Energy-efficient transmission strategies for CoMP downlink—overview, extension, and numerical comparison. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, 207.	1.5	6
84	RF-chain ADC Resolution Trade-off in MIMO Hybrid Architecture. , 2018, , .		3
85	Base Station MIMO Detector Algorithm Implementations. , 2018, , .		0
86	Globally Optimal Energy Efficiency Maximization for Capacity-Limited Fronthaul Crans with Dynamic Power Amplifiers—Efficiency. , 2018, , .		0
87	Performance of a Full-Duplex System in Non-Linear and Time-Varying Self-Interference Channel. , 2018, , .		1
88	Simplified Molecular Absorption Loss Model for 275-400 Gigahertz Frequency Band. , 2018, , .		57
89	Bayesian Learning Based Millimeter-Wave Sparse Channel Estimation with Hybrid Antenna Array. , 2018, , .		2
90	Rate-Distortion Performance of Lossy Compressed Sensing of Sparse Sources. IEEE Transactions on Communications, 2018, , 1-1.	4.9	11

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91	Energy Efficiency Maximization for C-RANs: Discrete Monotonic Optimization, Penalty, and Sell <sub>0</sub> -Approximation Methods. IEEE Transactions on Signal Processing, 2018, 66, 4435-4449.	3.2	17
92	Stochastic Geometry Analysis for Band-Limited Terahertz Band Communications. , 2018, , .		9
93	Performance Evaluation of THz Wireless Systems Operating in 275-400 GHz Band. , 2018, , .		32
94	Analog Self-Interference Cancellation with Automatic Gain Control for Full-Duplex Transceivers. , 2018, , .		3
95	A Conditional $\ell_1$ Regularized MMSE Channel Estimation Technique for IBI Channels. IEEE Transactions on Wireless Communications, 2018, 17, 6720-6734.	6.1	4
96	Energy-Efficient Multicell Multigroup Multicasting With Joint Beamforming and Antenna Selection. IEEE Transactions on Signal Processing, 2018, 66, 4904-4919.	3.2	40
97	Equalization of Frequency Selective Channels Using Multirate Signal Processing. IEEE Transactions on Signal Processing, 2018, 66, 5111-5126.	3.2	2
98	Multigroup Multicast Beamforming and Antenna Selection with Rate-Splitting in Multicell Systems. , 2018, , .		22
99	Last Meter Indoor Terahertz Wireless Access: Performance Insights and Implementation Roadmap. , 2018, 56, 158-165.		63
100	Terahertz Technologies to Deliver Optical Network Quality of Experience in Wireless Systems Beyond 5G. IEEE Communications Magazine, 2018, 56, 144-151.	4.9	232
101	Reflection coefficients for common indoor materials in the terahertz band. , 2018, , .		5
102	Study of Adaptive Detection and Channel Estimation for MIMO-OFDM Systems. Wireless Personal Communications, 2017, 93, 811-831.	1.8	2
103	Parallel Digital Predistortion Design on Mobile GPU and Embedded Multicore CPU for Mobile Transmitters. Journal of Signal Processing Systems, 2017, 89, 417-430.	1.4	6
104	Stochastic Geometry Analysis for Mean Interference Power and Outage Probability in THz Networks. IEEE Transactions on Wireless Communications, 2017, 16, 3017-3028.	6.1	48
105	Energy-efficient transmission strategies for multiantenna downlink. , 2017, , .		2
106	Energy-Efficient Beam Coordination Strategies With Rate-Dependent Processing Power. IEEE Transactions on Signal Processing, 2017, 65, 6097-6112.	3.2	30
107	Energy efficient preceding C-RAN downlink with compression at fronthaul. , 2017, , .		4
108	Multi-cell interference coordination for multigroup multicast transmission. , 2017, , .		0

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109	Multigroup Multicast Beamformer Design for MISO-OFDM With Antenna Selection. IEEE Transactions on Signal Processing, 2017, 65, 5832-5847.	3.2	23
110	Distributed Solutions for Energy Efficiency Fairness in Multicell MISO Downlink. IEEE Transactions on Wireless Communications, 2017, 16, 6232-6247.	6.1	35
111	Joint optimization of power consumption and load balancing in wireless dynamic network architecture. , 2017, , .		3
112	Energy-efficient coordinated multi-cell multi-group multicast beamforming with antenna selection. , 2017, , .		13
113	Performance Analysis of OSTBC Transmission in Lossy Forward MIMO Relay Networks. IEEE Communications Letters, 2017, 21, 1791-1794.	2.5	4
114	Joint analog and digital self-interference cancellation and full-duplex system performance. , 2017, , .		11
115	ADMM-based infinity norm detection for large MU-MIMO: Algorithm and VLSI architecture. , 2017, , .		30
116	Energy-efficient joint unicast and multicast beamforming with multi-antenna user terminals. , 2017, , .		12
117	Globally optimal beamforming design for downlink CoMP transmission with limited backhaul capacity. , 2017, , .		8
118	ASIP design for multiuser MIMO broadcast precoding. , 2017, , .		4
119	Gradient based decentralized joint beamforming. , 2017, , .		1
120	Decentralized Joint Precoding for WSRMax with Pilot Aided Beamformer Estimation. , 2017, , .		1
121	DoF analysis in a two-layered heterogeneous wireless interference network. , 2017, , .		4
122	JP-CoMP with antenna selection for multi-carrier C-RAN with finite backhaul capacity. , 2017, , .		1
123	Minimum power based relay selection for orthogonal multiple access relay networks. , 2017, , .		0
124	Performance Analysis for Lossy-Forward Relaying Over Nakagami- $m$ Fading Channels. IEEE Transactions on Vehicular Technology, 2017, 66, 10035-10043.	3.9	9
125	MIMO detector implementations using high-level synthesis tools from different generations. , 2017, , .		2
126	Fast converging decentralized WSRMax for MIMO IBC with low computational complexity. , 2017, , .		0



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127	Fading Correlations for Wireless Cooperative Communications: Diversity and Coding Gains. IEEE Access, 2017, 5, 8001-8016.	2.6	9
128	Stochastic analysis of multi-tier nanonetworks in THz band. , 2017, , .		8
129	Full duplexing. , 2017, , 261-303.		2
130	Rate-distortion lower bound for compressed sensing via conditional remote source coding. , 2016, , .		3
131	Diffraction Effects in Terahertz Band - Measurements and Analysis. , 2016, , .		9
132	Queue aware precoder design via OTA training. , 2016, , .		1
133	Max-Min Fairness for Multicast Multigroup Multicell Transmission under Backhaul Constraints. , 2016, , .		11
134	Distributed variable-rate quantized compressed sensing in wireless sensor networks. , 2016, , .		4
135	Real time adaptive RF and digital self-interference cancellation for full-duplex transceivers. , 2016, , .		8
136	Robust 3D MIMO-OFDM channel estimation with hybrid analog-digital architecture. , 2016, , .		4
137	A Rate-Distortion Region Analysis for a Binary CEO Problem. , 2016, , .		3
138	Distributed rateless codes for correlated multi-source relay networks. , 2016, , .		1
139	Transmission of correlated sources over non-orthogonal Gaussian MACs. , 2016, , .		1
140	Transmit beamformer and quantization design for multi-carrier CRAN CoMP. , 2016, , .		1
141	Performance analysis for multi-source multi-relay transmission over $\hat{\rho}$ - $\hat{\gamma}$ /4 fading channels. , 2016, , .		0
142	Performance analysis for transmission of correlated sources over non-orthogonal MARCs. , 2016, , .		4
143	End-to-end outage probability analysis for multi-source multi-relay systems. , 2016, , .		4
144	Distributed energy efficiency fairness optimization by ADMM in multicell MISO downlink. , 2016, , .		6

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145	Energy-efficient coordinated beamforming with rate dependent processing power. , 2016, , .		4
146	Sum rate maximizing joint processing with limited backhaul and tree topology constraints. , 2016, , .		2
147	Frequency domain penetration loss in the terahertz band. , 2016, , .		13
148	Joint optimization of power allocation and relay position for lossy-forwarding relaying. , 2016, , .		4
149	Measurements on rough surface scattering in terahertz band. , 2016, , .		7
150	Energy-efficient joint transmit beamforming and subarray selection with non-linear power amplifier efficiency. , 2016, , .		4
151	Measurements on penetration loss in terahertz band. , 2016, , .		13
152	Antenna Selection With Erroneous Covariance Matrices Under Secrecy Constraints. IEEE Transactions on Vehicular Technology, 2016, 65, 414-420.	3.9	3
153	A discussion on molecular absorption noise in the terahertz band. Nano Communication Networks, 2016, 8, 35-45.	1.6	68
154	Traffic Aware Resource Allocation Schemes for Multi-Cell MIMO-OFDM Systems. IEEE Transactions on Signal Processing, 2016, 64, 2730-2745.	3.2	40
155	Decentralized Sum Rate Maximization With QoS Constraints for Interfering Broadcast Channel Via Successive Convex Approximation. IEEE Transactions on Signal Processing, 2016, 64, 2788-2802.	3.2	53
156	Performance of an $\hat{\alpha}_1$ Regularized Subspace-Based MIMO Channel Estimation With Random Sequences. IEEE Wireless Communications Letters, 2016, 5, 112-115.	3.2	7
157	A Lower Bound Analysis of Hamming Distortion for a Binary CEO Problem With Joint Source-Channel Coding. IEEE Transactions on Communications, 2016, 64, 343-353.	4.9	20
158	$\hat{\alpha}_1$ LS and $\hat{\alpha}_2$ MMSE-Based Hybrid Channel Estimation for Intermittent Wireless Connections. IEEE Transactions on Wireless Communications, 2016, 15, 314-328.	6.1	12
159	Decentralized Coherent Coordinated Multi-Point Transmission for Weighted Sum Rate Maximization. , 2015, , .		0
160	Leveraging sparsity into massive MIMO channel estimation with the adaptive-LASSO. , 2015, , .		11
161	ASIC implementation and performance comparison of adaptive detection for MIMO-OFDM system. , 2015, , .		2
162	A Lower Bound on the Information Rate of Intersymbol Interference Channels Based on the Polyphase Decomposition. , 2015, , .		0

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163	Successive convex approximation for simultaneous linear TX/RX design in MIMO BC. , 2015, , .		2
164	Decentralized coordinated beamforming for weighted sum energy efficiency maximization in multi-cell MISO downlink. , 2015, , .		16
165	SOCP based joint throughput maximization and user association in Dynamic Networks. , 2015, , .		3
166	A comparative study on outage probabilities of decode-and-forward and lossy-forward relay techniques. , 2015, , .		2
167	Channel-robust compressed sensing via vector pre-quantization in wireless sensor networks. , 2015, , .		5
168	Finite-SNR diversity-multiplexing tradeoff for decode-and-forward relaying system allowing intra-link errors. , 2015, , .		0
169	Achieving Energy Efficiency Fairness in Multicell MISO Downlink. IEEE Communications Letters, 2015, 19, 1426-1429.	2.5	51
170	A customized lattice reduction multiprocessor for MIMO detection. , 2015, , .		14
171	Energy-efficient transmit beamforming for MISO downlink via sequential convex approximation. , 2015, , .		4
172	Implementation of MU-MIMO schedulers on SoC. , 2015, , .		0
173	Data-parallel implementation of reconfigurable digital predistortion on a mobile GPU. , 2015, , .		2
174	Exploiting multi-core SoC architecture for MU-MIMO schedulers. , 2015, , .		1
175	Mobile GPU accelerated digital predistortion on a software-defined mobile transmitter. , 2015, , .		5
176	Rate constrained decentralized beamforming for MIMO interfering broadcast channel. , 2015, , .		3
177	Data and error rate bounds for binary data gathering wireless sensor networks. , 2015, , .		6
178	Model-based design and implementation of an adaptive digital predistortion filter. , 2015, , .		5
179	Frequency domain scattering loss in THz band. , 2015, , .		10
180	Frequency and Time Domain Channel Models for Nanonetworks in Terahertz Band. IEEE Transactions on Antennas and Propagation, 2015, 63, 678-691.	3.1	81

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181	Energy-Efficient Bandwidth and Power Allocation for Multi-Homing Networks. IEEE Transactions on Signal Processing, 2015, 63, 1684-1699.	3.2	52
182	Parameterized Sets of Dataflow Modes And Their Application to Implementation of Cognitive Radio Systems. Journal of Signal Processing Systems, 2015, 80, 3-18.	1.4	12
183	Improved Channel Occupancy Rate Estimation. IEEE Transactions on Communications, 2015, 63, 643-654.	4.9	32
184	Sequential Compressed Sensing With Progressive Signal Reconstruction in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2015, 14, 1622-1635.	6.1	73
185	Outage probability of correlated binary source transmission over fading multiple access channels. , 2015, , .		7
186	CEO problem based analysis of D2D cooperative user pairing. , 2015, , .		1
187	Optimal Energy-Efficient Transmit Beamforming for Multi-User MISO Downlink. IEEE Transactions on Signal Processing, 2015, 63, 5574-5588.	3.2	122
188	Energy Detection in THz Nanonetworks in Scattering Environment. , 2015, , .		0
189	Decision-Directed Channel Estimation Implementation for Spectral Efficiency Improvement in Mobile MIMO-OFDM. Journal of Signal Processing Systems, 2015, 79, 233-245.	1.4	4
190	Optimal Energy Efficient Resource Allocation for Heterogeneous Multi-Homing Networks. , 2014, , .		3
191	Effect of CCI and feedback delay on the multi-antenna AF relaying over asymmetric fading channels. , 2014, , .		0
192	Joint transmit beamforming and antenna selection for energy efficiency maximization in MISO downlink. , 2014, , .		3
193	Relay selection on dual hop AF MIMO with OSTBC over asymmetric fading channels. , 2014, , .		0
194	Predicting the performance of an iterative MIMO MMSE receiver with vertical encoding. , 2014, , .		0
195	Low-Complexity Digital Predistortion for Reducing Power Amplifier Spurious Emissions in Spectrally-Agile Flexible Radio. , 2014, , .		10
196	Spatial Array Processing in a 3D Multiuser Network. , 2014, , .		0
197	Self-interference channel for full duplex transceivers. , 2014, , .		24
198	Multiuser frequency allocation with wideband power amplifier models. , 2014, , .		1

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199	LDPC code optimization with joint source-channel decoding of quantized Gauss-Markov signals. , 2014, , .		3
200	Low power implementation of digital predistortion filter on a heterogeneous application specific multiprocessor. , 2014, , .		7
201	Queue aware precoder design for space frequency resource allocation. , 2014, , .		5
202	Sparsity-aware channel estimation with contaminated pilot sequence. , 2014, , .		1
203	A Semianalytical Performance Prediction Method for an Iterative MIMO MMSE Receiver With Forward and Backward Error Control. IEEE Transactions on Communications, 2014, 62, 4198-4210.	4.9	1
204	Novel detector implementations for 3G LTE downlink and uplink. Analog Integrated Circuits and Signal Processing, 2014, 78, 645-655.	0.9	7
205	Design of a transport triggered vector processor for turbo decoding. Analog Integrated Circuits and Signal Processing, 2014, 78, 611-622.	0.9	6
206	Guest Editorial Spectrum and Energy Efficient Design of Wireless Communication Networks: Part II. IEEE Journal on Selected Areas in Communications, 2014, 32, 193-196.	9.7	2
207	Performance Analysis of Optimal Beamforming in Fixed-Gain AF MIMO Relaying over Asymmetric Fading Channels. IEEE Transactions on Communications, 2014, 62, 1201-1217.	4.9	10
208	Computationally Efficient Robust Beamforming for SINR Balancing in Multicell Downlink With Applications to Large Antenna Array Systems. IEEE Transactions on Communications, 2014, 62, 1908-1920.	4.9	27
209	A Conic Quadratic Programming Approach to Physical Layer Multicasting for Large-Scale Antenna Arrays. IEEE Signal Processing Letters, 2014, 21, 114-117.	2.1	99
210	Decentralized sum MSE minimization for coordinated multi-point transmission. , 2014, , .		6
211	Linear Precoder Design for Doubly Correlated Partially Coherent Fading MIMO Channels. IEEE Transactions on Wireless Communications, 2014, 13, 3621-3635.	6.1	12
212	Optimal Energy Efficient Bit and Power Loading for Multicarrier Systems. IEEE Communications Letters, 2014, 18, 1194-1197.	2.5	8
213	On Linear Precoding Strategies for Secrecy Rate Maximization in Multiuser Multiantenna Wireless Networks. IEEE Transactions on Signal Processing, 2014, 62, 3536-3551.	3.2	44
214	Detection and Channel Estimation in 8x8 MIMO-OFDM. , 2014, , .		3
215	A Lower Bound on the Information Rate of Intersymbol Interference Channels Based on the Polyphase Decomposition. , 2014, , .		0
216	The Effect of Imperfect CSI in a Multi-Cell Multi-User MIMO System. , 2014, , .		2

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217	Distributed Power Allocation in Cognitive Radio Networks under Network Power Constraint. , 2014, , .		7
218	Decentralized Coherent Coordinated Multi-Point Transmission for Weighted Sum Rate Maximization. , 2014, , .		0
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