

# Xiaohu You

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

309  
papers

5,710  
citations

32  
h-index

67  
g-index

328  
ext. papers

7,782  
ext. citations

5  
avg, IF

6.32  
L-index

#	Paper	IF	Citations
309	Structured OMP for IRS-aided mmWave Channel Estimation by Exploiting Angular Spread. <i>IEEE Transactions on Vehicular Technology</i> , <b>2022</b> , 1-1	6.8	
308	Effective Throughput Maximization of NOMA with Practical Modulations. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2022</b> , 1-1	14.2	1
307	Real-time demonstration of 103.125-Gbps fiber-THz-fiber 2-D MIMO transparent transmission at 360-430 GHz based on photonics. <i>Optics Letters</i> , <b>2022</b> , 47, 1214-1217	3	5
306	Fast Iterative Soft-Output List Decoding of Polar Codes. <i>IEEE Transactions on Signal Processing</i> , <b>2022</b> , 70, 1361-1376	4.8	1
305	Load-Aware Dynamic Mode Selection for Network-Assisted Full-Duplex Cell-Free Large-Scale Distributed MIMO Systems. <i>IEEE Access</i> , <b>2022</b> , 10, 22301-22310	3.5	1
304	Hybrid Beamforming for Millimeter Wave MIMO Integrated Sensing and Communications. <i>IEEE Communications Letters</i> , <b>2022</b> , 1-1	3.8	2
303	Efficient MMSE-PIC Detection for Polar-Coded System Using Tree-Structured Gray Codes. <i>IEEE Wireless Communications Letters</i> , <b>2022</b> , 1-1	5.9	
302	A 1.9-dB NF K-Band Temperature-Healing Phased-Array Receiver Employing Hybrid Packaged 65-nm CMOS Beamformer and 0.1-fh GaAs LNAs. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2022</b> , 1-4	2.6	1
301	Joint optimization of spectral efficiency and energy efficiency with low-precision ADCs in cell-free massive MIMO systems. <i>Science China Information Sciences</i> , <b>2022</b> , 65, 1	3.4	
300	Multiple Angles of Arrival Estimation Using Broadband Signals and a Nonuniform Planar Array. <i>IEEE Transactions on Communications</i> , <b>2022</b> , 1-1	6.9	
299	A 24-29.5-GHz Highly Linear Phased-Array Transceiver Front-End in 65-nm CMOS Supporting 800-MHz 64-QAM and 400-MHz 256-QAM for 5G New Radio. <i>IEEE Journal of Solid-State Circuits</i> , <b>2022</b> , 1-1	5.5	3
298	Conformal IRS-Empowered MIMO-OFDM: Channel Estimation and Environment Mapping. <i>IEEE Transactions on Communications</i> , <b>2022</b> , 1-1	6.9	
297	Pervasive Wireless Channel Modeling Theory and Applications to 6G GBSMs for All Frequency Bands and All Scenarios. <i>IEEE Transactions on Vehicular Technology</i> , <b>2022</b> , 1-1	6.8	5
296	Analysis and Design of a CMOS LNA With Transformer-Based Integrated Notch Filter for Ku-Band Satellite Communications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2021</b> , 1-1	4.1	2
295	Fingerprint-Based Covariance Matrix Estimation for Cell-Free Distributed Massive MIMO Systems. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 1-1	5.9	1
294	Intelligent Optimization of Base Station Array Orientations via Scenario-Specific Modeling. <i>IEEE Transactions on Communications</i> , <b>2021</b> , 1-1	6.9	0
293	Dynamic SCL Decoder with Path-Flipping for 5G Polar Codes. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 1-1	5.9	1

292	An Efficient Stochastic Convolution Architecture Based on Fast FIR Algorithm. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 1-1	3.5	
291	Joint Channel Estimation and Data Detection in Cell-Free Massive MU-MIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 1-1	9.6	2
290	. <i>IEEE Access</i> , <b>2021</b> , 9, 158426-158439	3.5	1
289	QoS Optimization for Mobile Ad Hoc Cloud: A Multi-Agent Independent Learning Approach. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 1-1	6.8	1
288	Federated Learning Based Content Popularity Prediction in Fog Radio Access Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 1-1	9.6	2
287	Predictive Modeling of Millimeter-Wave Vegetation Scattering Effect Using Hybrid Physics-Based and Data-Driven Approach. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	
286	Low-Complexity Transmission Technologies for D-MIMO <b>2021</b> , 139-165		
285	Proof of Concept and Validation: Implementation Based on a Cloud Architecture <b>2021</b> , 191-220		
284	Analysis of the Channel Capacity of Distributed MIMO <b>2021</b> , 15-44		
283	Massive Distributed MIMO and Cell-Free Network-Assisted Full Duplex <b>2021</b> , 167-189		
282	Transmit Power Allocation and Energy Efficiency Optimization of Distributed MIMO <b>2021</b> , 89-107		
281	Cell Edge Effect and Its Elimination with a Cell-Free System <b>2021</b> , 71-87		
280	Fundamentals of Distributed MIMO and Cell-Free Mobile Communications <b>2021</b> , 1-13		
279	Intelligent Interactive Beam Training for Millimeter Wave Communications. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 20, 2034-2048	9.6	10
278	Blockchain-enabled wireless communications: a new paradigm towards 6G. <i>National Science Review</i> , <b>2021</b> , 8, nwab069	10.8	10
277	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2021</b> , 68, 1398-1408	3.9	8
276	A General 3D Non-Stationary Wireless Channel Model for 5G and Beyond. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 20, 3211-3224	9.6	28
275	Broadband Extended Array Response-Based Subspace Multiparameter Estimation Method for Multipolarized Wireless Channel Measurements. <i>IEEE Transactions on Communications</i> , <b>2021</b> , 69, 3298-3312	6.9	2

274	Efficient Fast-SCAN Flip Decoder for Polar Codes <b>2021</b> ,		1
273	Cooperative Edge Caching via Federated Deep Reinforcement Learning in Fog-RANs <b>2021</b> ,		5
272	Tensor-Based Algebraic Channel Estimation for Hybrid IRS-Assisted MIMO-OFDM. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 20, 3770-3784	9.6	14
271	True-data testbed for 5G/B5G intelligent network. <i>Intelligent and Converged Networks</i> , <b>2021</b> , 2, 133-149	4	8
270	. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 20, 3815-3830	9.6	3
269	Hardware Implementation for Bipartite Belief Propagation Polar Decoding with Bit Flipping. <i>Journal of Signal Processing Systems</i> , <b>2021</b> , 93, 1149	1.4	
268	Pilot-Assisted SIMO-NOMA Signal Detection With Learnable Successive Interference Cancellation. <i>IEEE Communications Letters</i> , <b>2021</b> , 25, 2385-2389	3.8	4
267	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. <i>Science China Information Sciences</i> , <b>2021</b> , 64, 1	3.4	264
266	A W-Band 2 $\times$ 2 Rectenna Array With On-Chip CMOS Switching Rectifier and On-PCB Tapered Slot Antenna for Wireless Power Transfer. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2021</b> , 69, 969-979	4.1	3
265	Hardware Implementation for Belief Propagation Flip Decoding of Polar Codes. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2021</b> , 68, 1330-1341	3.9	4
264	Network-Assisted Full-Duplex Distributed Massive MIMO Systems With Beamforming Training Based CSI Estimation. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 20, 2190-2204	9.6	5
263	. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 20, 69-82	9.6	9
262	Approximate Expectation Propagation Massive MIMO Detector With Weighted Neumann-Series. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 662-666	3.5	6
261	Matching Theory Based Physical Layer Secure Transmission Strategy for Cognitive Radio Networks. <i>IEEE Access</i> , <b>2021</b> , 9, 46201-46209	3.5	2
260	Improving Approximate Expectation Propagation Massive MIMO Detector With Deep Learning. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 1-1	5.9	2
259	A Ku-Band CMOS Power Amplifier With Series-Shunt LC Notch Filter for Satellite Communications. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2021</b> , 1-12	3.9	8
258	Joint User Selection and Transceiver Design for Cell-Free with Network-Assisted Full Duplexing. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 1-1	9.6	3
257	Impacts of Asynchronous Reception on Cell-Free Distributed Massive MIMO Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 1-1	6.8	1

256	An Efficient Detector for Massive MIMO Based on Improved Matrix Partition. <i>IEEE Transactions on Signal Processing</i> , <b>2021</b> , 69, 2971-2986	4.8	2
255	Joint Transceiver Design for Network-Assisted Full-Duplex Systems With SWIPT. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-11	4.3	4
254	Channel Estimation and User Localization for IRS-Assisted MIMO-OFDM Systems. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 1-1	9.6	2
253	Cooperative Reflection Design with Timing Offsets in Distributed Multi-RIS Communications. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 1-1	5.9	2
252	. <i>IEEE Access</i> , <b>2021</b> , 9, 122107-122112	3.5	1
251	Brain Storm Optimization-Based Edge Caching in Fog Radio Access Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 1807-1820	6.8	5
250	A Lightweight Deep Network for Efficient CSI Feedback in Massive MIMO Systems. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 10, 1840-1844	5.9	8
249	Efficient Row-Layered Decoder for Sparse Code Multiple Access. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2021</b> , 68, 3495-3507	3.9	1
248	Multidimensional Constellation Design for Spatial Modulated SCMA Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 8795-8810	6.8	1
247	A Novel Flip-List-Enabled Belief Propagation Decoder for Polar Codes. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2302	2.6	0
246	Millimeter-Wave Integrated Phased Arrays. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2021</b> , 68, 3977-3990	3.9	11
245	Corrections to Millimeter-Wave Integrated Phased Arrays [early access, Jul 12, 21 doi: 10.1109/TCSI.2021.3093093]. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2021</b> , 68, 4413-4413	3.9	13
244	Optimization of Duplex Mode Selection for Network-Assisted Full-Duplex Cell-Free Massive MIMO Systems. <i>IEEE Communications Letters</i> , <b>2021</b> , 1-1	3.8	3
243	Deep Learning-Based Channel Estimation for Massive-MIMO With Mixed-Resolution ADCs and Low-Resolution Information Utilization. <i>IEEE Access</i> , <b>2021</b> , 9, 54938-54950	3.5	5
242	Low-Complexity Construction of Polar Codes Based on Genetic Algorithm. <i>IEEE Communications Letters</i> , <b>2021</b> , 1-1	3.8	2
241	A Novel 3D Non-Stationary GBSM for 6G THz Ultra Massive MIMO Wireless Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 1-1	6.8	8
240	Autogeneration of Pipelined Belief Propagation Polar Decoders. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , <b>2020</b> , 28, 1703-1716	2.6	1
239	Beam Alignment and Tracking for Millimeter Wave Communications via Bandit Learning. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 5519-5533	6.9	19

238	Efficient Sphere Polar Decoding via Synchronous Determination. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 6777-6781	6.8	3
237	Efficient Belief Propagation Polar Decoder With Loop Simplification Based Factor Graphs. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 5657-5660	6.8	7
236	Bipartite Belief Propagation Polar Decoding With Bit-Flipping <b>2020</b> ,		1
235	A DC-50 GHz CMOS Switched-Type Attenuator With Capacitive Compensation Technique. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2020</b> , 67, 3389-3399	3.9	11
234	On Uplink Performance of Multiuser Massive MIMO Relay Network With Limited RF Chains. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 8670-8683	6.8	3
233	Transmission Scheme and Performance Analysis of Multi-Cell Decoupled Heterogeneous Networks. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 4423-4436	6.9	5
232	A 20-GHz 1.9-mW LNA Using gm-Boost and Current-Reuse Techniques in 65-nm CMOS for Satellite Communications. <i>IEEE Journal of Solid-State Circuits</i> , <b>2020</b> , 55, 2714-2723	5.5	20
231	A Flexible and High Parallel Permutation Network for 5G LDPC Decoders. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2020</b> , 67, 3018-3022	3.5	7
230	Deep Learning-Aided Belief Propagation Decoder for Polar Codes. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , <b>2020</b> , 10, 189-203	5.2	8
229	Stochastic Belief Propagation Polar Decoding With Efficient Re-Randomization. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 6771-6776	6.8	5
228	Efficient Pre-Conditioned Descent Search Detector for Massive MU-MIMO. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 4663-4676	6.8	2
227	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 5219-5231	6.8	15
226	Low-Latency Segmented List-Pruning Software Polar List Decoder. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 3575-3589	6.8	7
225	A Linear-Complexity Channel-Independent Code Construction Method for List Sphere Polar Decoder. <i>Journal of Signal Processing Systems</i> , <b>2020</b> , 92, 763-774	1.4	3
224	Transceiver Design for Large-scale DAS with Network Assisted Full Duplex <b>2020</b> ,		2
223	Measurement-Based 5G Millimeter-Wave Propagation Characterization in Vegetated Suburban Macrocell Environments. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 5556-5567	4.9	24
222	Reconfigurable and Low-Complexity Accelerator for Convolutional and Generative Networks Over Finite Fields. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , <b>2020</b> , 39, 4894-4907	2.5	5
221	Efficient Sparse Code Multiple Access Decoder Based on Deterministic Message Passing Algorithm. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 3562-3574	6.8	9

220	Polar Compiler: Auto-Generator of Hardware Architectures for Polar Encoders. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2020</b> , 67, 2091-2102	3.9	2
219	. <i>IEEE Signal Processing Letters</i> , <b>2020</b> , 27, 271-275	3.2	3
218	Efficient Successive Over Relaxation Detectors for Massive MIMO. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2020</b> , 67, 2128-2139	3.9	11
217	Mathematical Modeling Analysis of Strong Physical Unclonable Functions. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , <b>2020</b> , 39, 4426-4438	2.5	8
216	Tensor-Based Channel Estimation for Millimeter Wave MIMO-OFDM With Dual-Wideband Effects. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 4218-4232	6.9	20
215	Enhanced Belief Propagation Decoder for 5G Polar Codes With Bit-Flipping. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2020</b> , 67, 901-905	3.5	14
214	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2020</b> , 68, 2876-2890	4.1	10
213	Uplink Interference Analysis of F-OFDM Systems Under Non-Ideal Synchronization. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 15500-15517	6.8	1
212	Interleaved Training for Intelligent Surface-Assisted Wireless Communications. <i>IEEE Signal Processing Letters</i> , <b>2020</b> , 27, 1774-1778	3.2	1
211	Quantum version of MMSE-based massive MIMO uplink detection. <i>Quantum Information Processing</i> , <b>2020</b> , 19, 1	1.6	4
210	An Efficient Software List Sphere Decoder for Polar Codes. <i>Journal of Signal Processing Systems</i> , <b>2020</b> , 92, 517-528	1.4	2
209	A Mean Field Game-Based Distributed Edge Caching in Fog Radio Access Networks. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 1567-1580	6.9	20
208	An Efficient Software Stack Sphere Decoder for Polar Codes. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 1257-1266	6.8	5
207	Secrecy Energy Efficiency Optimization for Multi-User Distributed Massive MIMO Systems. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 915-929	6.9	6
206	Performance of Network-Assisted Full-Duplex for Cell-Free Massive MIMO. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 1464-1478	6.9	41
205	Efficient Expectation Propagation Massive MIMO Detector With Neumann-Series Approximation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2020</b> , 67, 1924-1928	3.5	8
204	Efficient Hardware for Generalized Turbo Signal Recovery in Compressed Sensing. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 1245-1256	6.8	
203	Improving Massive MIMO Message Passing Detectors With Deep Neural Network. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 1267-1280	6.8	17

202	Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 11128-11138	6.8	6
201	. <i>IEEE Transactions on Wireless Communications</i> , <b>2020</b> , 19, 8442-8454	9.6	10
200	Improved Belief Propagation Polar Decoders With Bit-Flipping Algorithms. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 6699-6713	6.9	7
199	Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full Duplex. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 7569-7582	6.8	8
198	Hybrid beamforming design for mmWave OFDM distributed antenna systems. <i>Science China Information Sciences</i> , <b>2020</b> , 63, 1	3.4	3
197	Distributed Edge Caching with Content Recommendation in Fog-RANs Via Deep Reinforcement Learning <b>2020</b> ,		5
196	Content Popularity Prediction in Fog Radio Access Networks: A Federated Learning Based Approach <b>2020</b> ,		9
195	User Clustering Scheme for Downlink Hybrid NOMA Systems Based on Genetic Algorithm. <i>IEEE Access</i> , <b>2020</b> , 8, 129461-129468	3.5	6
194	Implementation of a Cloud-Based Cell-Free Distributed Massive MIMO System. <i>IEEE Communications Magazine</i> , <b>2020</b> , 58, 61-67	9.1	10
193	A Ka-Band CMOS 4-Beam Phased-Array Receiver With Symmetrical Beam-Distribution Network. <i>IEEE Solid-State Circuits Letters</i> , <b>2020</b> , 3, 410-413	2	7
192	Machine-Type Communication for Maritime Internet of Things: A Design. <i>IEEE Communications Surveys and Tutorials</i> , <b>2020</b> , 22, 2550-2585	37.1	20
191	Channel Estimation and Hybrid Precoding for Distributed Phased Arrays Based MIMO Wireless Communications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 12921-12937	6.8	7
190	Joint Redundant MDS Codes and Cluster Cooperation Based Coded Caching in Fog Radio Access Networks <b>2020</b> ,		1
189	. <i>IEEE Vehicular Technology Magazine</i> , <b>2020</b> , 15, 22-32	9.9	83
188	Enhanced Linear Iterative Detector for Massive Multiuser MIMO Uplink. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2020</b> , 67, 540-552	3.9	7
187	Edge Caching Resource Allocation in Fog Radio Access Networks: An Incentive Mechanism Based Approach <b>2019</b> ,		2
186	Belief Propagation Bit-Flip Decoder for Polar Codes. <i>IEEE Access</i> , <b>2019</b> , 7, 10937-10946	3.5	23
185	Sparse Beamforming for an Ultradensely Distributed Antenna System With Interlaced Clustering. <i>IEEE Access</i> , <b>2019</b> , 7, 15069-15085	3.5	1



184	Large System Performance and Distributed Scheme of Downlink Beamforming in F-RANs With Distributed Antennas. <i>IEEE Access</i> , <b>2019</b> , 7, 33441-33453	3.5	6
183	Joint Detection and Decoding of Polar-Coded OFDM-IDMA Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2019</b> , 66, 4005-4017	3.9	2
182	Delay-constrained sleeping mechanism for energy saving in cache-aided ultra-dense network. <i>Science China Information Sciences</i> , <b>2019</b> , 62, 1	3.4	8
181	On the Low-Complexity, Hardware-Friendly Tridiagonal Matrix Inversion for Correlated Massive MIMO Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 6272-6285	6.8	17
180	An Improved Software List Sphere Polar Decoder With Synchronous Determination. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 5236-5245	6.8	10
179	. <i>IEEE Transactions on Wireless Communications</i> , <b>2019</b> , 18, 3236-3250	9.6	13
178	Subarray-Based Simultaneous Beam Training for Multiuser mmWave Massive MIMO Systems. <i>IEEE Wireless Communications Letters</i> , <b>2019</b> , 8, 976-979	5.9	9
177	Transceiver Design With UCD-Based Hybrid Beamforming for Millimeter Wave Massive MIMO. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 4047-4061	6.9	6
176	Deep Learning-Based Pilot Design for Multi-User Distributed Massive MIMO Systems. <i>IEEE Wireless Communications Letters</i> , <b>2019</b> , 8, 1016-1019	5.9	32
175	Energy Efficiency Optimization of Distributed Massive MIMO Systems Under Ergodic QoS and Per-RAU Power Constraints. <i>IEEE Access</i> , <b>2019</b> , 7, 5001-5013	3.5	5
174	. <i>IEEE Transactions on Mobile Computing</i> , <b>2019</b> , 18, 885-895	4.6	6
173	Power Control via Stackelberg Game for Small-Cell Networks. <i>Wireless Communications and Mobile Computing</i> , <b>2019</b> , 2019, 1-10	1.9	3
172	Satellite Machine-Type Communication for Maritime Internet of Things: An Interference Perspective. <i>IEEE Access</i> , <b>2019</b> , 7, 76404-76415	3.5	18
171	Joint Processing of Pilot and Data for Massive MIMO Systems in Ricean Fading Channels. <i>IEEE Access</i> , <b>2019</b> , 7, 83615-83627	3.5	3
170	OFDM-Clipped Signal Recovery and Learning Using Gaussian Mixture GTurbo Approach. <i>IEEE Wireless Communications Letters</i> , <b>2019</b> , 8, 1533-1536	5.9	3
169	Efficient Successive Cancellation Stack Decoder for Polar Codes. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , <b>2019</b> , 27, 2608-2619	2.6	6
168	A Low-Complexity Massive MIMO Detection Based on Approximate Expectation Propagation. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 7260-7272	6.8	24
167	Distributed Edge Caching via Reinforcement Learning in Fog Radio Access Networks <b>2019</b> ,		9

166	Multiband Cooperation for 5G HetNets: A Promising Network Paradigm. <i>IEEE Vehicular Technology Magazine</i> , <b>2019</b> , 14, 85-93	9.9	63
165	Energy efficient joint energy cooperation and power allocation in multiuser distributed antenna systems with hybrid energy supply. <i>IET Communications</i> , <b>2019</b> , 13, 153-161	1.3	5
164	Intelligent Beam Training for Millimeter-Wave Communications via Deep Reinforcement Learning <b>2019</b> ,		6
163	ADMM Enabled Hybrid Precoding in Wideband Distributed Phased Arrays Based MIMO Systems <b>2019</b> ,		3
162	Content Popularity Prediction via Deep Learning in Cache-Enabled Fog Radio Access Networks <b>2019</b> ,		5
161	Cooperative Edge Caching in Fog Radio Access Networks: A Pigeon Inspired Optimization Approach <b>2019</b> ,		5
160	Analysis of Delay and Energy Efficiency in Fog Radio Access Networks with Hybrid Caching <b>2019</b> ,		2
159	Spectral Efficiency Analysis of Network-Assisted Full Duplexing for Large-Scale Distributed Antenna Systems <b>2019</b> ,		1
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150	Optimal Multiuser Loading in Quantized Massive MIMO Under Spatially Correlated Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 1459-1471	6.8	5
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142	Reconfigurable Decoder for LDPC and Polar Codes <b>2018</b> ,		10
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138	Spectral Efficiency Analysis for Bidirectional Dynamic Network With Massive MIMO Under Imperfect CSI. <i>IEEE Access</i> , <b>2018</b> , 6, 43660-43671	3.5	5
137	A low-complexity practical energy saving algorithm for real dense wireless scenario <b>2018</b> ,		1
136	A Fully Integrated 300-MHz Channel Bandwidth 256 QAM Transceiver With Self-Interference Suppression in Closely Spaced Channels at 6.5-GHz Band. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 1-12	4.1	2
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133	A LARGE-SCALE EXTENSION OF SPARSE-CODE MULTIPLE-ACCESS SYSTEM <b>2018</b> ,		1
132	Performance Analysis and Caching Design in Fog Radio Access Networks <b>2018</b> ,		10
131	Downlink Spectral Efficiency Analysis in Distributed Massive MIMO with Phase Noise. <i>Electronics (Switzerland)</i> , <b>2018</b> , 7, 317	2.6	1

130	Expectation Propagation Detection with Neumann-Series Approximation for Massive MIMO <b>2018</b> ,		11
129	A Low-Complexity Massive MIMO Detection Algorithm Based on Matrix Partition <b>2018</b> ,		2
128	LOW-COMPLEXITY MESSAGE PASSING MIMO DETECTION ALGORITHM WITH DEEP NEURAL NETWORK <b>2018</b> ,		7
127	Efficient Folded SC Polar Line Decoder <b>2018</b> ,		1
126	Synthesizing LDPC Belief Propagation Decoding with Molecular Reactions <b>2018</b> ,		1
125	Adaptive Damped Jacobi Detector and Architecture for Massive MIMO Uplink <b>2018</b> ,		1
124	Spectral and Energy Efficiency of Distributed Massive MIMO with Low-Resolution ADC. <i>Electronics (Switzerland)</i> , <b>2018</b> , 7, 391	2.6	1
123	Massive MIMO Detection based on Barzilai-Borwein Algorithm <b>2018</b> ,		2
122	Successive Cancellation List Bit-flip Decoder for Polar Codes <b>2018</b> ,		10
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105	Efficient fast convolution architectures for convolutional neural network <b>2017</b> ,		8
104	Belief propagation detection based on max-sum algorithm for massive MIMO systems <b>2017</b> ,		3
103	Energy-Spectral-Efficiency Tradeoff in Interference-Limited Wireless Networks. <i>Wireless Personal Communications</i> , <b>2017</b> , 96, 5515-5532	1.9	4
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98	Convexity of Weighted Sum Rate Maximization in NOMA Systems. <i>IEEE Signal Processing Letters</i> , <b>2017</b> , 24, 1323-1327	3.2	39
97	The VLSI architecture for channel estimation based on ADMA <b>2017</b> ,		1
96	A Novel Caching Policy with Content Popularity Prediction and User Preference Learning in Fog-RAN <b>2017</b> ,		17
95	Joint Detection and Decoding for Polar Coded MIMO Systems <b>2017</b> ,		7

94	. <i>China Communications</i> , <b>2017</b> , 14, 162-187	3	23
93	Joint detection and decoding for polar-coded OFDM-IDMA systems <b>2017</b> ,		1
92	Using Fermat number transform to accelerate convolutional neural network <b>2017</b> ,		3
91	Multichannel Resource Allocation for Downlink Non-Orthogonal Multiple Access Systems <b>2017</b> ,		4
90	Efficient fast convolution architecture based on stochastic computing <b>2017</b> ,		2
89	Algorithm and architecture for joint detection and decoding for MIMO with LDPC codes <b>2017</b> ,		3
88	Improved polar decoder based on deep learning <b>2017</b> ,		47
87	DC MUX PUF: A highly reliable feed-back MUX PUF based on measuring duty cycle <b>2017</b> ,		1
86	Graph-merged detection and decoding of polar-coded MIMO systems <b>2017</b> ,		1
85	LD-IMPSON Based Power Adjustment Algorithm for eICIC in QoS Constrained Hyper Dense HetNets. <i>Wireless Personal Communications</i> , <b>2016</b> , 88, 111-131	1.9	2
84	Segmented CRC-Aided SC List Polar Decoding <b>2016</b> ,		29
83	Efficient architecture for soft-output massive MIMO detection with Gauss-Seidel method <b>2016</b> ,		64
82	Downlink and Uplink Transmissions in Distributed Large-Scale MIMO Systems for BD Precoding with Partial Calibration <b>2016</b> ,		2
81	Pipelined belief propagation polar decoders <b>2016</b> ,		16
80	Joint detection and decoding for MIMO systems with polar codes <b>2016</b> ,		7
79	A 20-to-75 dB gain 5-dB noise figure broadband 60-GHz receiver with digital calibration <b>2016</b> ,		2
78	Generalized turbo signal recovery for nonlinear measurements and orthogonal sensing matrices <b>2016</b> ,		23
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69	Low-latency software successive cancellation list polar decoder using stage-located copy <b>2016</b> ,		10
68	Low-complexity segmented CRC-aided SC stack decoder for polar codes <b>2016</b> ,		5
67	Successive Cancellation Heap Polar Decoding <b>2016</b> ,		4
66	Hardware Efficient and Low-Latency CA-SCL Decoder Based on Distributed Sorting <b>2016</b> ,		17
65	Efficient Hardware Architecture for Compressed Sensing with DFT Sensing Matrix <b>2016</b> ,		4
64	Efficient SOR-based detection and architecture for large-scale MIMO uplink <b>2016</b> ,		10
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61	Efficient matrix inversion architecture for linear detection in massive MIMO systems <b>2015</b> ,		16
60	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 5083-5090	6.8	33
59	Energy spectral efficiency tradeoff in downlink OFDMA network. <i>International Journal of Communication Systems</i> , <b>2015</b> , 28, 1450-1461	1.7	14

58	Efficient early termination schemes for belief-propagation decoding of polar codes <b>2015</b> ,		19
57	Coefficient adjustment matrix inversion approach and architecture for massive MIMO systems <b>2015</b> ,		12
56	Spectral efficiency analysis of large-scale distributed antenna system in a composite correlated Rayleigh fading channel. <i>IET Communications</i> , <b>2015</b> , 9, 681-688	1.3	22
55	Reciprocity of mutual coupling for TDD massive MIMO systems <b>2015</b> ,		10
54	Improved symbol-based belief propagation detection for large-scale MIMO <b>2015</b> ,		22
53	Cellular architecture and key technologies for 5G wireless communication networks <b>2014</b> , 52, 122-130		1253
52	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2014</b> , 63, 1223-1231	6.8	72
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50	Hardware architecture for list successive cancellation polar decoder <b>2014</b> ,		18
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43	. <i>IEEE Transactions on Signal Processing</i> , <b>2014</b> , 62, 1348-1360	4.8	9
42	Improved MPSO based eICIC algorithm for LTE-a ultra dense HetNets <b>2014</b> ,		3
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39	Uplink sum-rate analysis of multi-cell multi-user massive MIMO system <b>2013</b> ,		21
38	. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2013</b> , 31, 2112-2127	14.2	91
37	Differential Edge-Triggered Flip-Flops Using Neuron-MOS Transistors <b>2013</b> ,		1
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35	A unified algorithm for mobility load balancing in 3GPP LTE multi-cell networks. <i>Science China Information Sciences</i> , <b>2013</b> , 56, 1-11	3-4	1
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23	QoS-Aware Load Balancing in 3GPP Long Term Evolution Multi-Cell Networks <b>2011</b> ,		17

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19	Spectral efficiency analysis of mobile Femtocell based cellular systems <b>2011</b> ,		36
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4	Parallel Weighted Bit-Flipping Decoding. <i>IEEE Communications Letters</i> , <b>2007</b> , 11, 671-673	3.8	32
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