Xiaohu You

List of Publications by Citations

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309	5,710	32	67
papers	citations	h-index	g-index
328	7,782	5	6.32
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
309	Cellular architecture and key technologies for 5G wireless communication networks **2014**, 52, 122-130		1253
308	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. *Science China Information Sciences*, **2021**, 64, 1	3.4	264
307	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 6119-6127	6.8	172
306	On Optimal Power Allocation for Downlink Non-Orthogonal Multiple Access Systems. *IEEE Journal on Selected Areas in Communications*, **2017**, 1-1	14.2	172
305	A General 3-D Non-Stationary 5G Wireless Channel Model. *IEEE Transactions on Communications*, **2018**, 66, 3065-3078	6.9	156
304	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 3243-3254	6.8	134
303	Cooperative distributed antenna systems for mobile communications [Coordinated and Distributed MIMO]. *IEEE Wireless Communications*, **2010**, 17, 35-43	13.4	114
302	Narrowband Wireless Access for Low-Power Massive Internet of Things: A Bandwidth Perspective. *IEEE Wireless Communications*, **2017**, 24, 138-145	13.4	113
301	On the Ergodic Capacity of Rank-1 Ricean-Fading MIMO Channels. *IEEE Transactions on Information Theory*, **2007**, 53, 502-517	2.8	95
300	. *IEEE Journal on Selected Areas in Communications*, **2013**, 31, 2112-2127	14.2	91
299	Energy Efficiency and Spectral Efficiency Tradeoff in Downlink Distributed Antenna Systems. *IEEE Wireless Communications Letters*, **2012**, 1, 153-156	5.9	87
298	User Preference Learning-Based Edge Caching for Fog Radio Access Network. *IEEE Transactions on Communications*, **2019**, 67, 1268-1283	6.9	85
297	. *IEEE Vehicular Technology Magazine*, **2020**, 15, 22-32	9.9	83
296	AI for 5G: research directions and paradigms. *Science China Information Sciences*, **2019**, 62, 1	3.4	73
295	. *IEEE Transactions on Vehicular Technology*, **2014**, 63, 1223-1231	6.8	72
294	Efficient architecture for soft-output massive MIMO detection with Gauss-Seidel method **2016**,		64
293	Multiband Cooperation for 5G HetNets: A Promising Network Paradigm. *IEEE Vehicular Technology Magazine*, **2019**, 14, 85-93	9.9	63

292	Cell Edge Performance of Cellular Mobile Systems. *IEEE Journal on Selected Areas in Communications*, **2011**, 29, 1139-1150	14.2	63
291	Signal Processing for MIMO-NOMA: Present and Future Challenges. *IEEE Wireless Communications*, **2018**, 25, 32-38	13.4	58
290	Recent advances and future challenges for massive MIMO channel measurements and models. *Science China Information Sciences*, **2016**, 59, 1-16	3.4	54
289	An overview of transmission theory and techniques of large-scale antenna systems for 5G wireless communications. *Science China Information Sciences*, **2016**, 59, 1	3.4	51
288	Improved polar decoder based on deep learning **2017**,		47
287	Proximity discovery for device-to-device communications over a cellular network **2014**, 52, 98-107		43
286	Downlink Spectral Efficiency of Distributed Massive MIMO Systems With Linear Beamforming Under Pilot Contamination. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 1130-1145	6.8	42
285	Performance of Network-Assisted Full-Duplex for Cell-Free Massive MIMO. *IEEE Transactions on Communications*, **2020**, 68, 1464-1478	6.9	41
284	Convexity of Weighted Sum Rate Maximization in NOMA Systems. *IEEE Signal Processing Letters*, **2017**, 24, 1323-1327	3.2	39
283	Spectral efficiency analysis of mobile Femtocell based cellular systems **2011**,		36
282	Grid-search-based hybrid TOA/AOA location techniques for NLOS environments. *IEEE Communications Letters*, **2009**, 13, 254-256	3.8	35
281	. *IEEE Transactions on Vehicular Technology*, **2015**, 64, 5083-5090	6.8	33
280	LTE on License-Exempt Spectrum. *IEEE Communications Surveys and Tutorials*, **2018**, 20, 647-673	37.1	33
279	Deep Learning-Based Pilot Design for Multi-User Distributed Massive MIMO Systems. *IEEE Wireless Communications Letters*, **2019**, 8, 1016-1019	5.9	32
278	mmWave communications for 5G: implementation challenges and advances. *Science China Information Sciences*, **2018**, 61, 1	3.4	32
277	Parallel Weighted Bit-Flipping Decoding. *IEEE Communications Letters*, **2007**, 11, 671-673	3.8	32
276	Distributed Optimization of Hierarchical Small Cell Networks: A GNEP Framework. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 249-264	14.2	31
275	Efficient Low-Resolution ADC Relaying for Multiuser Massive MIMO System. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 11039-11056	6.8	31

274	Segmented CRC-Aided SC List Polar Decoding **2016**,		29
273	A General 3D Non-Stationary Wireless Channel Model for 5G and Beyond. *IEEE Transactions on Wireless Communications*, **2021**, 20, 3211-3224	9.6	28
272	Efficient Channel Estimation for MIMO Single-Carrier Block Transmission With Dual Cyclic Timeslot Structure. *IEEE Transactions on Communications*, **2007**, 55, 2210-2223	6.9	25
271	Measurement-Based 5G Millimeter-Wave Propagation Characterization in Vegetated Suburban Macrocell Environments. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 5556-5567	4.9	24
270	A Low-Complexity Massive MIMO Detection Based on Approximate Expectation Propagation. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 7260-7272	6.8	24
269	**2018**,		24
268	Belief Propagation Bit-Flip Decoder for Polar Codes. *IEEE Access*, **2019**, 7, 10937-10946	3.5	23
267	Performance Analysis of Multiuser Massive MIMO With Spatially Correlated Channels Using Low-Precision ADC. *IEEE Communications Letters*, **2018**, 22, 205-208	3.8	23
266	Generalized turbo signal recovery for nonlinear measurements and orthogonal sensing matrices **2016**,		23
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264	Spectral efficiency analysis of single-cell multi-user large-scale distributed antenna system. *IET Communications*, **2014**, 8, 2213-2221	1.3	22
263	Spectral efficiency analysis of large-scale distributed antenna system in a composite correlated Rayleigh fading channel. *IET Communications*, **2015**, 9, 681-688	1.3	22
262	Improved symbol-based belief propagation detection for large-scale MIMO **2015**,		22
261	Utility-Energy Efficiency Oriented User Association With Power Control in Heterogeneous Networks. *IEEE Wireless Communications Letters*, **2018**, 7, 526-529	5.9	21
260	Device discovery for multihop cellular networks with its application in LTE. *IEEE Wireless Communications*, **2014**, 21, 24-34	13.4	21
259	Uplink sum-rate analysis of multi-cell multi-user massive MIMO system **2013**,		21
258	A 20-GHz 1.9-mW LNA Using gm-Boost and Current-Reuse Techniques in 65-nm CMOS for Satellite Communications. *IEEE Journal of Solid-State Circuits*, **2020**, 55, 2714-2723	5.5	20
257	Tensor-Based Channel Estimation for Millimeter Wave MIMO-OFDM With Dual-Wideband Effects. *IEEE Transactions on Communications*, **2020**, 68, 4218-4232	6.9	20

256	A Mean Field Game-Based Distributed Edge Caching in Fog Radio Access Networks. *IEEE Transactions on Communications*, **2020**, 68, 1567-1580	6.9	20
255	Machine-Type Communication for Maritime Internet of Things: A Design. *IEEE Communications Surveys and Tutorials*, **2020**, 22, 2550-2585	37.1	20
254	Beam Alignment and Tracking for Millimeter Wave Communications via Bandit Learning. *IEEE Transactions on Communications*, **2020**, 68, 5519-5533	6.9	19
253	Efficient early termination schemes for belief-propagation decoding of polar codes **2015**,		19
252	New insights into weighted bit-flipping decoding. *IEEE Transactions on Communications*, **2009**, 57, 2177-2180	6.9	19
251	Antenna Clustering for Bidirectional Dynamic Network With Large-Scale Distributed Antenna Systems. *IEEE Access*, **2017**, 5, 4037-4047	3.5	18
250	Satellite Machine-Type Communication for Maritime Internet of Things: An Interference Perspective. *IEEE Access*, **2019**, 7, 76404-76415	3.5	18
249	Hardware architecture for list successive cancellation polar decoder **2014**,		18
248	Wideband mmWave Channel Estimation for Hybrid Massive MIMO With Low-Precision ADCs. *IEEE Wireless Communications Letters*, **2019**, 8, 285-288	5.9	18
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246	A Novel Caching Policy with Content Popularity Prediction and User Preference Learning in Fog-RAN **2017**,		17
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244	Improving Massive MIMO Message Passing Detectors With Deep Neural Network. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 1267-1280	6.8	17
243	Hardware Efficient and Low-Latency CA-SCL Decoder Based on Distributed Sorting **2016**,		17
242	Efficient Soft-Output Gauss-Seidel Data Detector for Massive MIMO Systems. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2019**, 1-12	3.9	17
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204	Power- and Rate-Adaptation Improves the Effective Capacity of C-RAN for Nakagami- m Fading Channels. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 10841-10855	6.8	10
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187	Efficient fast convolution architectures for convolutional neural network **2017**,		8
186	Joint optimization on load balancing and network load in 3GPP LTE multi-cell networks **2011**,		8
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178	A Novel 3D Non-Stationary GBSM for 6G THz Ultra Massive MIMO Wireless Systems. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	8
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169	Improved Belief Propagation Polar Decoders With Bit-Flipping Algorithms. *IEEE Transactions on Communications*, **2020**, 68, 6699-6713	6.9	7
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137	Low-complexity segmented CRC-aided SC stack decoder for polar codes **2016**,		5
136	Content Popularity Prediction via Deep Learning in Cache-Enabled Fog Radio Access Networks **2019**,		5
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