

Jungwoo Lee

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.

118
papers

1,348
citations

16
h-index

33
g-index

178
ext. papers

1,717
ext. citations

4.4
avg, IF

5.25
L-index

#	Paper	IF	Citations
118	Hierarchical Group Testing for Byzantine Attack Identification in Distributed Matrix Multiplication. <i>IEEE Journal on Selected Areas in Communications</i> , 2022 , 1-1	14.2	0
117	Information-theoretic privacy in federated submodel learning. <i>ICT Express</i> , 2022 ,	4.9	2
116	Repair Rates for Multiple Descriptions on Distributed Storage. <i>Entropy</i> , 2022 , 24, 612	2.8	
115	Securely Straggler-Exploiting Coded Computation for Distributed Matrix Multiplication. <i>IEEE Access</i> , 2021 , 9, 167374-167388	3.5	0
114	Fully Private Coded Matrix Multiplication From Colluding Workers. <i>IEEE Communications Letters</i> , 2021 , 25, 730-733	3.8	2
113	A Maximum Throughput Design for Wireless Powered Communication Networks With IRS-NOMA. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 849-853	5.9	9
112	Sum-Throughput Maximization in NOMA-Based WPCN: A Cluster-Specific Beamforming Approach. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 10543-10556	10.7	11
111	Optimized Shallow Neural Networks for Sum-Rate Maximization in Energy Harvesting Downlink Multiuser NOMA Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 982-997	14.2	1
110	Shallow Reinforcement Learning for Energy Harvesting Communications With Imperfect Channel Knowledge. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2021 , 1-1	7.5	
109	Private and Secure Coded Computation in Straggler-Exploiting Distributed Matrix Multiplication 2021 ,		1
108	. <i>IEEE Access</i> , 2021 , 9, 66675-66686	3.5	3
107	Automotive Radar Signal Interference Mitigation Using RNN with Self Attention 2020 ,		10
106	Massive Uncoordinated Access With Massive MIMO: A Dictionary Learning Approach. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 1320-1332	9.6	14
105	Joint Modulation and Beamforming for MIMO Systems With 1-b DACs. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 1075-1079	6.8	1
104	On the Design of Tailored Neural Networks for Energy Harvesting Broadcast Channels: A Reinforcement Learning Approach. <i>IEEE Access</i> , 2020 , 8, 179678-179691	3.5	1
103	Squeezed Polynomial Codes: Communication-Efficient Coded Computation in Straggler-Exploiting Distributed Matrix Multiplication. <i>IEEE Access</i> , 2020 , 8, 190516-190528	3.5	3
102	Private Coded Matrix Multiplication. <i>IEEE Transactions on Information Forensics and Security</i> , 2020 , 15, 1434-1443	8	9

101	Secure Distributed Computing With Stragglers Using Polynomial Codes. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 141-150	8	49
100	Scalable deep learning-based recommendation systems. <i>ICT Express</i> , 2019 , 5, 84-88	4.9	14
99	Private Secure Coded Computation. <i>IEEE Communications Letters</i> , 2019 , 23, 1918-1921	3.8	12
98	Sum-Throughput Maximization With QoS Constraints for Cooperative WPCNs. <i>IEEE Access</i> , 2019 , 7, 130622-130637	3.5	13
97	Private Secure Coded Computation 2019 ,		9
96	Rate Maximization with Reinforcement Learning for Time-Varying Energy Harvesting Broadcast Channels 2019 ,		2
95	On the Optimality of Gabidulin-Based LRCs as Codes with Multiple Local Erasure Correction. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2019 , E102.A, 1326-1329	0.4	1
94	Cooperative Wireless Powered Communication Networks With Interference Harvesting. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 3701-3705	6.8	17
93	A Delay Relaxed RLS-DCD Algorithm for Real-Time Implementation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 61-65	3.5	6
92	A Peer-to-Peer Interference Analysis for Automotive Chirp Sequence Radars. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 8110-8117	6.8	33
91	Private Information Retrieval for Secure Distributed Storage Systems. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 2953-2964	8	41
90	Locally Repairable Codes With Unequal Local Erasure Correction. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 7137-7152	2.8	11
89	A Deep Learning Approach for Automotive Radar Interference Mitigation 2018 ,		13
88	Action-Bounding for Reinforcement Learning in Energy Harvesting Communication Systems 2018 ,		4
87	Sum-Rate Maximization Under QoS Constraints for WPCN with User Cooperation 2018 ,		1
86	Multimode Precoding for Multiuser MIMO Systems With Finite Rate Feedback. <i>IEEE Wireless Communications Letters</i> , 2017 , 6, 142-145	5.9	
85	Linear Degrees of Freedom for K -user MISO Interference Channels With Blind Interference Alignment. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 1921-1934	9.6	7
84	Cyclic Interference Alignment for Full-Duplex Multi-Antenna Cellular Networks. <i>IEEE Transactions on Communications</i> , 2017 , 65, 2657-2671	6.9	10

83	Topological Interference Management With Reconfigurable Antennas. <i>IEEE Transactions on Communications</i> , 2017 , 65, 4926-4939	6.9	7
82	Compressed Sensing-Aided Downlink Channel Training for FDD Massive MIMO Systems. <i>IEEE Transactions on Communications</i> , 2017 , 65, 2852-2862	6.9	39
81	An Outer Bound on the Storage-Bandwidth Tradeoff of Exact-Repair Cooperative Regenerating Codes. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 7267-7282	2.8	1
80	Non-Orthogonal Multiple Access in Multi-Cell Networks: Theory, Performance, and Practical Challenges 2017 , 55, 176-183		212
79	Cache-aided private information retrieval 2017 ,		8
78	Coordinated Beamforming for Multi-Cell MIMO-NOMA. <i>IEEE Communications Letters</i> , 2017 , 21, 84-87	3.8	131
77	Relay-Aided NOMA in Uplink Cellular Networks. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 1842-1846	3.2	22
76	Linear Degrees of Freedom of Full-Duplex Cellular Networks With Reconfigurable Antennas. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 7195-7206	9.6	1
75	MIMO Gaussian wiretap channels with two transmit antennas: Optimal precoding and power allocation 2017 ,		6
74	Relay-Aided Space-Time Beamforming for Interference Networks With Partial Channel Knowledge. <i>IEEE Transactions on Signal Processing</i> , 2016 , 64, 5119-5130	4.8	1
73	Two-stage compressed sensing for millimeter wave channel estimation 2016 ,		33
72	On the number of users served in MIMO-NOMA cellular networks 2016 ,		13
71	An outer bound on the storage-bandwidth tradeoff of exact-repair regenerating codes and its asymptotic optimality in high rates 2016 ,		1
70	An outer bound on the storage-bandwidth tradeoff of exact-repair cooperative regenerating codes 2016 ,		1
69	Polar codes for non-identically distributed channels. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2016 , 2016,	3.2	2
68	Local erasure correction codes with unequal locality profile 2016 ,		2
67	Uplink Pilot Design for Multi-Cell Massive MIMO Networks. <i>IEEE Communications Letters</i> , 2016 , 20, 1619-1622	3.822	11
66	A MIMO Relay With Delayed Feedback Can Improve DoF in $\mathbb{K}\mathbb{K}$ - User MISO Interference Channel With No CSIT. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 10188-10192	6.8	4

65	Hierarchical Blind Interference Alignment Over Interference Networks With Finite Coherence Time. <i>IEEE Transactions on Signal Processing</i> , 2016 , 64, 1289-1304	4.8	11
64	Asymmetric channel estimation for multi-user millimeter wave communications 2016 ,		5
63	On the achievability of interference alignment for full-duplex cellular networks with multiple antennas 2016 ,		1
62	Projection-Based Differential Feedback for FDD Massive MIMO Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 1-1	6.8	11
61	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 1-1	6.8	2
60	Dynamic supersymbol design of blind interference alignment for K-user MISO broadcast channels 2015 ,		3
59	Sensitive and Stable Gas Ionization Sensor Based on 3-D Single-Walled Carbon Nanotube Networks Suspended on ZnO Nanorods. <i>IEEE Sensors Journal</i> , 2015 , 15, 260-263	4	6
58	Online update techniques for projection based Robust Principal Component Analysis. <i>ICT Express</i> , 2015 , 1, 59-62	4.9	3
57	ChASER: Channel-aware symbol error reduction for high-performance WiFi systems in dynamic channel environment 2015 ,		4
56	. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 3937-3947	9.6	10
55	Retrospective interference alignment for two-cell uplink MIMO cellular networks with delayed CSIT 2015 ,		1
54	Degrees of freedom for K-user SISO interference channels with blind interference alignment 2015 ,		6
53	Grouping based blind interference alignment for K-user MISO interference channels 2015 ,		2
52	Adaptive Channel Estimation Techniques for FDD Massive MIMO Systems. <i>The Journal of Korean Institute of Communications and Information Sciences</i> , 2015 , 40, 1239-1247	0.5	2
51	Projection based feedback compression for FDD massive MIMO systems 2014 ,		13
50	SINR and Throughput Analysis for Random Beamforming Systems with Adaptive Modulation. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 1460-1471	9.6	7
49	Multiuser analogue network coding with code division multiple access. <i>Electronics Letters</i> , 2013 , 49, 1337-1338		
48	Spectrum Sensing Using Robust Principal Component Analysis for Cognitive Radio 2013 ,		2

47	Bidirectional Limited-Magnitude Error Correction Codes for Flash Memories. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2013 , E96.A, 1602-1608	0.4	1
46	A new seam-tracking algorithm through characteristic-point detection for a portable welding robot. <i>Robotics and Computer-Integrated Manufacturing</i> , 2012 , 28, 1-13	9.2	41
45	Hybrid MU-MISO Scheduling with Limited Feedback Using Hierarchical Codebooks. <i>IEEE Transactions on Communications</i> , 2012 , 60, 1101-1113	6.9	3
44	Multiuser MIMO User Selection Based on Chordal Distance. <i>IEEE Transactions on Communications</i> , 2012 , 60, 649-654	6.9	54
43	Determinant-based MIMO scheduling with reduced pilot overhead. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2012 , 2012,	3.2	3
42	Sub-FF trimmable readout circuit for tri-axes capacitive microaccelerometers 2012 ,		3
41	Interference Reduction Modulation Based on Chirp Spread Spectrum for Capsule Endoscopy 2012 ,		3
40	Hierarchical codebook design for fast search with Grassmannian codebook 2012 ,		1
39	A programmable mutual capacitance sensing circuit for a large-sized touch panel 2012 ,		8
38	Multi-User Analog Network Coding with Spread Spectrum 2012 ,		4
37	Linear Degrees-of-Freedom for the $M \times N$ MIMO Interference Channels With Constant Channel Coefficients. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 6097-6103	4.8	4
36	Eigenmode BER based MU-MIMO scheduling for rate maximization with linear precoding and power allocation 2012 ,		2
35	Intelligent Traffic Control Systems Based on IEEE 802.11 DCF/PCF. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2012 , E95.A, 1651-1654	0.4	
34	Channel Parameter Tracking for Adaptive MMSE Channel Estimation in OFDM Systems. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2012 , E95.A, 1439-1443	0.4	1
33	Multi-User Frequency Offset Correction for OFDMA Reverse Link. <i>IEICE Transactions on Communications</i> , 2012 , E95.B, 2481-2484	0.5	
32	Post-Scheduling SINR Mismatch Analysis for Multiuser Orthogonal Random Beamforming Systems. <i>IEEE Transactions on Communications</i> , 2011 , 59, 1509-1513	6.9	2
31	Opportunistic wireless network coding with relay node selection. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2011 , 2011,	3.2	3
30	Low complexity antenna selection for V-BLAST systems with OSIC detection. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2011 , 2011,	3.2	5

29	Interference compensation technique for multilevel flash memory 2011 ,		2
28	Determinant Based Multiuser MIMO Scheduling with Reduced Pilot Overhead 2011 ,		2
27	Joint Clock and Frequency Synchronization for OFDM-Based Cellular Systems. <i>IEEE Signal Processing Letters</i> , 2011 , 18, 757-760	3.2	16
26	Large scale synthesis and enhanced field emission properties from hybrid CuO/ZnO nanorod. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 7299-302	1.3	7
25	Adaptive Interference Mitigation for Multilevel Flash Memory Devices. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2011 , E94-A, 2453-2457	0.4	
24	The electric field enhancements by single-walled carbon nanotubes in In ₂ S ₃ /In ₂ O ₃ photoelectrochemical solar cells. <i>Applied Physics Letters</i> , 2010 , 96, 173506	3.4	7
23	Evaluation of a cesium iodide photocathode assisted with MgO-coated multiwall carbon nanotubes. <i>Applied Physics Letters</i> , 2010 , 96, 141109	3.4	2
22	Improved field emission properties of CdS deposited single walled carbon nanotube emitter. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010 , 28, C2B43-C2B46 ^{1,3}		7
21	On the SINR Distribution for an Orthogonal Random Beamforming System and Its Performance 2010 ,		2
20	BER Based Multiuser MIMO User Selection with Block Diagonalization 2010 ,		3
19	Adaptive modulation for multiuser orthogonal random beamforming systems 2010 ,		1
18	Spatial-Correlation-Based Antenna Grouping for MIMO Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 2898-2905	6.8	8
17	. <i>IEEE Transactions on Communications</i> , 2010 , 58, 986-996	6.9	56
16	Double layer-coated carbon nanotubes: Field emission and secondary-electron emission properties under presence of intense electric field. <i>Journal of Vacuum Science & Technology B</i> , 2009 , 27, 626		5
15	A new ML based interference cancellation technique for layered space-time codes. <i>IEEE Transactions on Communications</i> , 2009 , 57, 930-936	6.9	11
14	Improved field emission properties of CdSe deposited single-walled carbon nanotubes emitter 2009 ,		1
13	Capacity Comparison of Orthogonal and Non-Orthogonal Cooperative Relay Systems 2009 ,		1
12	Low complexity MIMO scheduling with channel decomposition using capacity upperbound. <i>IEEE Transactions on Communications</i> , 2008 , 56, 871-876	6.9	48

11	Enhanced charge collection and reduced recombination of CdS/ZnO quantum-dots sensitized solar cells in the presence of single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2008 , 92, 153510	3.4	82
10	Antenna grouping techniques for MIMO beamforming systems 2008 ,		1
9	Field emission properties of single-walled carbon nanotube with amphoteric doping by encapsulation of TTF and TCNQ. <i>Journal of Vacuum Science & Technology B</i> , 2008 , 26, 847		8
8	Imogolite as an electron emitter and a water sensor. <i>Journal of Materials Science: Materials in Electronics</i> , 2007 , 18, 893-897	2.1	6
7	Low Complexity LDPC Decoding Techniques with Adaptive Selection of Edges. <i>IEEE Vehicular Technology Conference</i> , 2007 ,	0.1	2
6	Effect of double layer coating on carbon nanotubes for field emission and secondary electron emission measurement. <i>Journal of Vacuum Science & Technology B</i> , 2007 , 25, 570		6
5	Low Complexity Multiuser MIMO Scheduling with Channel Decomposition 2007 ,		2
4	Enhanced charge-collection efficiency of In ₂ S ₃ /ZnO photoelectrochemical cells in the presence of single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2007 , 91, 043515	3.4	29
3	Antenna Selection for MIMO Systems with Sequential Nulling and Cancellation 2006 ,		2
2	Log likelihood ratio calculation without SNR estimation for forward link DS-SS receivers. <i>IEEE Signal Processing Letters</i> , 2004 , 11, 565-568	3.2	1
1	Optimised frequency-domain bit allocation for video coding. <i>Electronics Letters</i> , 2003 , 39, 900	1.1	