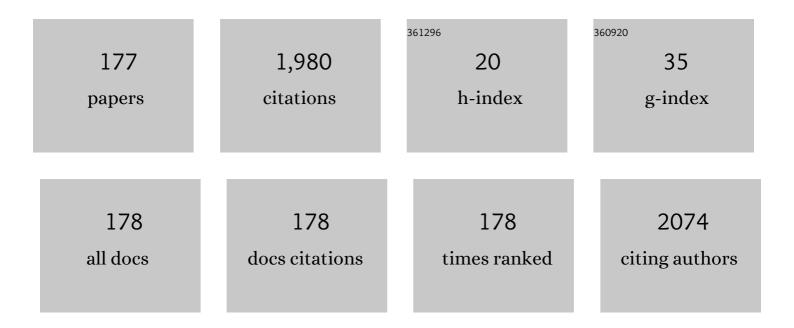
List of Publications by Year in descending order

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LUNCWOOLEE

#	Article	IF	CITATIONS
1	Non-Orthogonal Multiple Access in Multi-Cell Networks: Theory, Performance, and Practical Challenges. , 2017, 55, 176-183.		290
2	Coordinated Beamforming for Multi-Cell MIMO-NOMA. IEEE Communications Letters, 2017, 21, 84-87.	2.5	155
3	Enhanced charge collection and reduced recombination of CdSâ^•TiO2 quantum-dots sensitized solar cells in the presence of single-walled carbon nanotubes. Applied Physics Letters, 2008, 92, 153510.	1.5	85
4	Secure Distributed Computing With Straggling Servers Using Polynomial Codes. IEEE Transactions on Information Forensics and Security, 2019, 14, 141-150.	4.5	84
5	Multiuser MIMO User Selection Based on Chordal Distance. IEEE Transactions on Communications, 2012, 60, 649-654.	4.9	77
6	Improved linear soft-input soft-output detection via soft feedback successive interference cancellation. IEEE Transactions on Communications, 2010, 58, 986-996.	4.9	72
7	Low complexity MIMO scheduling with channel decomposition using capacity upperbound. IEEE Transactions on Communications, 2008, 56, 871-876.	4.9	65
8	Compressed Sensing-Aided Downlink Channel Training for FDD Massive MIMO Systems. IEEE Transactions on Communications, 2017, 65, 2852-2862.	4.9	62
9	A Peer-to-Peer Interference Analysis for Automotive Chirp Sequence Radars. IEEE Transactions on Vehicular Technology, 2018, 67, 8110-8117.	3.9	60
10	Private Information Retrieval for Secure Distributed Storage Systems. IEEE Transactions on Information Forensics and Security, 2018, 13, 2953-2964.	4.5	59
11	A new seam-tracking algorithm through characteristic-point detection for a portable welding robot. Robotics and Computer-Integrated Manufacturing, 2012, 28, 1-13.	6.1	58
12	Two-stage compressed sensing for millimeter wave channel estimation. , 2016, , .		50
13	A Deep Learning Approach for Automotive Radar Interference Mitigation. , 2018, , .		33
14	Scalable deep learning-based recommendation systems. ICT Express, 2019, 5, 84-88.	3.3	33
15	Enhanced charge-collection efficiency of In2S3â^•In2O3 photoelectrochemical cells in the presence of single-walled carbon nanotubes. Applied Physics Letters, 2007, 91, 043515.	1.5	31
16	Relay-Aided NOMA in Uplink Cellular Networks. IEEE Signal Processing Letters, 2017, 24, 1842-1846.	2.1	28
17	Automotive Radar Signal Interference Mitigation Using RNN with Self Attention. , 2020, , .		28
18	A Maximum Throughput Design for Wireless Powered Communication Networks With IRS-NOMA. IEEE Wireless Communications Letters, 2021, 10, 849-853.	3.2	27

#	Article	IF	CITATIONS
19	Private Coded Matrix Multiplication. IEEE Transactions on Information Forensics and Security, 2020, 15, 1434-1443.	4.5	25
20	Massive Uncoordinated Access With Massive MIMO: A Dictionary Learning Approach. IEEE Transactions on Wireless Communications, 2020, 19, 1320-1332.	6.1	25
21	Projection-based Differential Feedback for FDD Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	22
22	Cooperative Wireless Powered Communication Networks With Interference Harvesting. IEEE Transactions on Vehicular Technology, 2018, 67, 3701-3705.	3.9	22
23	Joint Clock and Frequency Synchronization for OFDM-Based Cellular Systems. IEEE Signal Processing Letters, 2011, 18, 757-760.	2.1	20
24	Private Secure Coded Computation. IEEE Communications Letters, 2019, 23, 1918-1921.	2.5	20
25	Sum-Throughput Maximization in NOMA-Based WPCN: A Cluster-Specific Beamforming Approach. IEEE Internet of Things Journal, 2021, 8, 10543-10556.	5.5	19
26	Uplink Pilot Design for Multi-Cell Massive MIMO Networks. IEEE Communications Letters, 2016, 20, 1619-1622.	2.5	17
27	Projection based feedback compression for FDD massive MIMO systems. , 2014, , .		16
28	On the number of users served in MIMO-NOMA cellular networks. , 2016, , .		15
29	A new ML based interference cancellation technique for layered space-time codes. IEEE Transactions on Communications, 2009, 57, 930-936.	4.9	14
30	Spatial-Correlation-Based Antenna Grouping for MIMO Systems. IEEE Transactions on Vehicular Technology, 2010, 59, 2898-2905.	3.9	14
31	Hierarchical Blind Interference Alignment Over Interference Networks With Finite Coherence Time. IEEE Transactions on Signal Processing, 2016, 64, 1289-1304.	3.2	14
32	Topological Interference Management With Reconfigurable Antennas. IEEE Transactions on Communications, 2017, 65, 4926-4939.	4.9	14
33	Private Secure Coded Computation. , 2019, , .		14
34	Retrospective Interference Alignment for the Two-Cell MIMO Interfering Multiple Access Channel. IEEE Transactions on Wireless Communications, 2015, 14, 3937-3947.	6.1	13
35	Cyclic Interference Alignment for Full-Duplex Multi-Antenna Cellular Networks. IEEE Transactions on Communications, 2017, 65, 2657-2671.	4.9	13
36	Locally Repairable Codes With Unequal Local Erasure Correction. IEEE Transactions on Information Theory, 2018, 64, 7137-7152.	1.5	12

#	Article	IF	CITATIONS
37	A programmable mutual capacitance sensing circuit for a large-sized touch panel. , 2012, , .		11
38	A Delay Relaxed RLS-DCD Algorithm for Real-Time Implementation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 61-65.	2.2	10
39	Degrees of freedom for K-user SISO interference channels with blind interference alignment. , 2015, , .		9
40	Cache-aided private information retrieval. , 2017, , .		9
41	Effect of double layer coating on carbon nanotubes for field emission and secondary electron emission measurement. Journal of Vacuum Science & Technology B, 2007, 25, 570.	1.3	8
42	Field emission properties of single-walled carbon nanotube with amphoteric doping by encapsulation of TTF and TCNQ. Journal of Vacuum Science & Technology B, 2008, 26, 847-850.	1.3	8
43	SINR and Throughput Analysis for Random Beamforming Systems with Adaptive Modulation. IEEE Transactions on Wireless Communications, 2013, 12, 1460-1471.	6.1	8
44	ChASER: Channel-aware symbol error reduction for high-performance WiFi systems in dynamic channel environment. , 2015, , .		8
45	Linear Degrees of Freedom for \$K\$ -user MISO Interference Channels With Blind Interference Alignment. IEEE Transactions on Wireless Communications, 2017, 16, 1921-1934.	6.1	8
46	Joint Power Allocation and Scheduling Techniques for BER Minimization in Multiuser MIMO Systems. IEEE Access, 2021, 9, 66675-66686.	2.6	8
47	Information-theoretic privacy in federated submodel learning. ICT Express, 2023, 9, 415-419.	3.3	8
48	Low Complexity Multiuser MIMO Scheduling with Channel Decomposition. , 2007, , .		7
49	The electric field enhancements by single-walled carbon nanotubes in In2S3/In2O3 photoelectrochemical solar cells. Applied Physics Letters, 2010, 96, 173506.	1.5	7
50	Improved field emission properties of CdS deposited single walled carbon nanotube emitter. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C2B43-C2B46.	0.6	7
51	Large Scale Synthesis and Enhanced Field Emission Properties from Hybrid CuO/ZnO Nanorod. Journal of Nanoscience and Nanotechnology, 2011, 11, 7299-7302.	0.9	7
52	Multi-User Analog Network Coding with Spread Spectrum. , 2012, , .		7
53	MIMO Gaussian wiretap channels with two transmit antennas: Optimal precoding and power allocation. , 2017, , .		7
54	Squeezed Polynomial Codes: Communication-Efficient Coded Computation in Straggler-Exploiting Distributed Matrix Multiplication. IEEE Access, 2020, 8, 190516-190528.	2.6	7

4

#	Article	IF	CITATIONS
55	Fully Private Coded Matrix Multiplication From Colluding Workers. IEEE Communications Letters, 2021, 25, 730-733.	2.5	7
56	Imogolite as an electron emitter and a water sensor. Journal of Materials Science: Materials in Electronics, 2007, 18, 893-897.	1.1	6
57	Double layer-coated carbon nanotubes: Field emission and secondary-electron emission properties under presence of intense electric field. Journal of Vacuum Science & Technology B, 2009, 27, 626-630.	1.3	6
58	Low complexity antenna selection for V-BLAST systems with OSIC detection. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	1.5	6
59	Hierarchical codebook design for fast search with Grassmannian codebook. , 2012, , .		6
60	Determinant-based MIMO scheduling with reduced pilot overhead. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	1.5	6
61	Sensitive and Stable Gas Ionization Sensor Based on 3-D Single-Walled Carbon Nanotube Networks Suspended on ZnO Nanorods. IEEE Sensors Journal, 2015, 15, 260-263.	2.4	6
62	Asymmetric channel estimation for multi-user millimeter wave communications. , 2016, , .		6
63	A MIMO Relay With Delayed Feedback Can Improve DoF in \$K\$- User MISO Interference Channel With No CSIT. IEEE Transactions on Vehicular Technology, 2016, 65, 10188-10192.	3.9	6
64	Hierarchical Group Testing for Byzantine Attack Identification in Distributed Matrix Multiplication. IEEE Journal on Selected Areas in Communications, 2022, 40, 1013-1029.	9.7	6
65	Sub-fF trimmable readout circuit for tri-axes capacitive microaccelerometers. , 2012, , .		5
66	Grouping based blind interference alignment for K-user MISO interference channels. , 2015, , .		5
67	Dynamic supersymbol design of blind interference alignment for K-user MISO broadcast channels. , 2015, , .		5
68	Rate Maximization with Reinforcement Learning for Time-Varying Energy Harvesting Broadcast Channels. , 2019, , .		5
69	Antenna Selection for MIMO Systems with Sequential Nulling and Cancellation. , 2006, , .		4
70	Low Complexity Channel Tracking for Adaptive MMSE Channel Estimation in OFDM. , 2007, , .		4
71	Low complexity multiuser MIMO scheduling with chordal distance. , 2008, , .		4

72 Hybrid Codebook Design for Multiuser MISO Systems with Limited Feedback. , 2010, , .

5

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73	Opportunistic wireless network coding with relay node selection. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	1.5	4
74	Linear Degrees-of-Freedom for the \$Mimes N\$ MIMO Interference Channels With Constant Channel Coefficients. IEEE Transactions on Signal Processing, 2012, 60, 6097-6103.	3.2	4
75	Interference Reduction Modulation Based on Chirp Spread Spectrum for Capsule Endoscopy. , 2012, , .		4
76	Hybrid MU-MISO Scheduling with Limited Feedback Using Hierarchical Codebooks. IEEE Transactions on Communications, 2012, 60, 1101-1113.	4.9	4
77	Spectrum Sensing Using Robust Principal Component Analysis for Cognitive Radio. , 2013, , .		4
78	Online update techniques for projection based Robust Principal Component Analysis. ICT Express, 2015, 1, 59-62.	3.3	4
79	Action-Bounding for Reinforcement Learning in Energy Harvesting Communication Systems. , 2018, , .		4
80	Antenna grouping techniques for MIMO beamforming systems. , 2008, , .		3
81	Capacity Comparison of Orthogonal and Non-Orthogonal Cooperative Relay Systems. , 2009, , .		3
82	Evaluation of a cesium iodide photocathode assisted with MgO-coated multiwall carbon nanotubes. Applied Physics Letters, 2010, 96, 141109.	1.5	3
83	On the SINR Distribution for an Orthogonal Random Beamforming System and Its Performance. , 2010, ,		3
84	BER Based Multiuser MIMO User Selection with Block Diagonalization. , 2010, , .		3
85	Post-Scheduling SINR Mismatch Analysis for Multiuser Orthogonal Random Beamforming Systems. IEEE Transactions on Communications, 2011, 59, 1509-1513.	4.9	3
86	Intelligent Traffic Control Based on IEEE 802.11 DCF/PCF Mechanisms at Intersections. , 2011, , .		3
87	SNR-based adaptive modulation for wireless LAN systems. , 2012, , .		3
88	Eigenmode BER based MU-MIMO scheduling for rate maximization with linear precoding and power allocation. , 2012, , .		3
89	Relay-Aided Successive Aligned Interference Cancellation for Wireless X Networks with Full-Duplex Relays. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	3
90	Polar codes for non-identically distributed channels. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1,5	3

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91	Topological interference management with reconfigurable antennas. , 2016, , .		3
92	Sum-Throughput Maximization With QoS Constraints for Cooperative WPCNs. IEEE Access, 2019, 7, 130622-130637.	2.6	3
93	Private and Secure Coded Computation in Straggler-Exploiting Distributed Matrix Multiplication. , 2021, , .		3
94	Adaptive Channel Estimation Techniques for FDD Massive MIMO Systems. The Journal of Korean Institute of Communications and Information Sciences, 2015, 40, 1239-1247.	0.0	3
95	Log Likelihood Ratio Calculation Without SNR Estimation for Forward Link DS-CDMA Receivers. IEEE Signal Processing Letters, 2004, 11, 565-568.	2.1	2
96	Low Complexity Multiuser MIMO Scheduling with Channel Decomposition. , 2006, , .		2
97	Low Complexity LDPC Decoding Techniques with Adaptive Selection of Edges. IEEE Vehicular Technology Conference, 2007, , .	0.2	2
98	Field emission of bismuth sulfide upright-standing platelets. Journal of Applied Physics, 2008, 103, .	1.1	2
99	SNR Adaptive Limited Constellation Sphere Decoding. , 2009, , .		2
100	On power allocation for relay networks with nonorthogonal amplify-and-forward protocols. , 2010, , .		2
101	Interference compensation technique for multilevel flash memory. , 2011, , .		2
102	Determinant Based Multiuser MIMO Scheduling with Reduced Pilot Overhead. , 2011, , .		2
103	Adaptive selection of antenna grouping and beamforming for MIMO systems. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	1.5	2
104	Interference alignment and cancellation for the two-user X channels with a relay. , 2013, , .		2
105	Wireless power transfer techniques for cell balancing of battery management systems. , 2014, , .		2
106	Retrospective interference alignment for two-cell uplink MIMO cellular networks with delayed CSIT. , 2015, , .		2
107	Linear Degrees of Freedom of Full-Duplex Cellular Networks with Reconfigurable Antennas. , 2016, , .		2
108	Relay-Aided Space-Time Beamforming for Interference Networks With Partial Channel Knowledge. IEEE Transactions on Signal Processing, 2016, 64, 5119-5130.	3.2	2

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109	Local erasure correction codes with unequal locality profile. , 2016, , .		2
110	On the Design of Tailored Neural Networks for Energy Harvesting Broadcast Channels: A Reinforcement Learning Approach. IEEE Access, 2020, 8, 179678-179691.	2.6	2
111	Optimized Shallow Neural Networks for Sum-Rate Maximization in Energy Harvesting Downlink Multiuser NOMA Systems. IEEE Journal on Selected Areas in Communications, 2021, 39, 982-997.	9.7	2
112	Channel Parameter Tracking for Adaptive MMSE Channel Estimation in OFDM Systems. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2012, E95.A, 1439-1443.	0.2	2
113	Basestation-to-mobile clock synchronization in the presence of carrier frequency offset. , 0, , .		1
114	Rate adaptive modulation with MIMO mode switching between spatial multiplexing and diversity. , 2008, , .		1
115	Mode selection between antenna grouping and beamforming for MIMO communication systems. , 2009, , .		1
116	Improved field emission properties of CdSe deposited single-walled carbon nanotubes emitter. , 2009, ,		1
117	Power Allocation for MIMO Systems with Multiple Non-Regenerative Single-Antenna Relays. , 2010, , .		1
118	Adaptive modulation for multiuser orthogonal random beamforming systems. , 2010, , .		1
119	Relay selection for amplify-and-forward systems with differential and double-differential modulation. , 2011, , .		1
120	Optimal degree of freedom for MIMO interference channels with constant channel coefficients. , 2011, , .		1
121	Regenerative hierarchical codebooks for limited channel feedback in MIMO systems. , 2012, , .		1
122	Limited magnitude error locating parity check codes for flash memories. , 2012, , .		1
123	Blind Modulation Classification for Rician Aeronautical Channels. , 2014, , .		1
124	On the achievability of interference alignment for full-duplex cellular networks with multiple antennas. , 2016, , .		1
125	Grassmannian training for massive MIMO cellular networks. , 2016, , .		1
126	An outer bound on the storage-bandwidth tradeoff of exact-repair regenerating codes and its asymptotic optimality in high rates. , 2016, , .		1

#	Article	IF	CITATIONS
127	An outer bound on the storage-bandwidth tradeoff of exact-repair cooperative regenerating codes. , 2016, , .		1
128	An Outer Bound on the Storage-Bandwidth Tradeoff of Exact-Repair Cooperative Regenerating Codes. IEEE Transactions on Information Theory, 2017, 63, 7267-7282.	1,5	1
129	Linear Degrees of Freedom of Full-Duplex Cellular Networks With Reconfigurable Antennas. IEEE Transactions on Wireless Communications, 2017, 16, 7195-7206.	6.1	1
130	Sum-Rate Maximization Under QoS Constraints for WPCN with User Cooperation. , 2018, , .		1
131	Joint Modulation and Beamforming for MIMO Systems With 1-b DACs. IEEE Transactions on Vehicular Technology, 2020, 69, 1075-1079.	3.9	1
132	Shallow Reinforcement Learning for Energy Harvesting Communications With Imperfect Channel Knowledge. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 1258-1271.	7.3	1
133	Adaptive Interference Mitigation for Multilevel Flash Memory Devices. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 2453-2457.	0.2	1
134	Bidirectional Limited-Magnitude Error Correction Codes for Flash Memories. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2013, E96.A, 1602-1608.	0.2	1
135	Securely Straggler-Exploiting Coded Computation for Distributed Matrix Multiplication. IEEE Access, 2021, 9, 167374-167388.	2.6	1
136	DE-DARTS: Neural architecture search with dynamic exploration. ICT Express, 2022, , .	3.3	1
137	Optimised frequency-domain bit allocation for video coding. Electronics Letters, 2003, 39, 900.	0.5	Ο
138	A Novel Low Complexity Channel Estimator with Frequency Offset Resistance for CDMA. , 0, , .		0
139	Adaptive MIMO channel estimation for fast Rayleigh fading channels. , 0, , .		Ο
140	Electric properties change of single-walled carbon nanotube with amphoteric doping by encapsulation of organic molecules inside carbon nanotube. , 0, , .		0
141	On Subcarrier Allocation for Soft Hand-Over in OFDMA-based Cellular Systems. , 0, , .		Ο
142	Effect of External Field for Polypyrrole Polymerization. , 2006, , .		0
143	Effect of Double Layer Coating on Carbon Nanotubes for Field Emission and Secondary Electron Emission Measurement. , 2006, , .		Ο
144	Field emission properties of single-walled carbon nanotube with amphoteric doping by encapsulation of TTF and TCNQ. , 2007, , .		0

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145	Multi-User MMSE-Based Frequency Synchronization in OFDMA Uplink. , 2007, , .		Ο
146	Improved field emission properties from poly-crystalline indium oxide coated single walled carbon nanotubes. , 2007, , .		0
147	Low Complexity Antenna Selection for Spatial Multiplexing Systems with VBLAST Detection. , 2007, , .		0
148	Low Complexity ML Based Interference Cancellation for Layered Space-Time Codes. IEEE Vehicular Technology Conference, 2008, , .	0.2	0
149	Relay gain optimization for multiple-relay wireless networks. , 2009, , .		0
150	Enhanced field emission from peapod (C <inf>60</inf> @SWNT) emitter arrays fabricated by screen printing method. , 2009, , .		0
151	Field emission properties of ZnO nanorods grown on various substrates. , 2009, , .		0
152	Development of a characteristic point detecting seam tracking algorithm for portable welding robots. , 2010, , .		0
153	P2–27: Enhanced field emission from hybrid CuO/ZnO nano-structure. , 2010, , .		0
154	CQI mismatch analysis for multiuser orthogonal random beamforming systems. , 2010, , .		0
155	Aqueous synthesis of n-/p-type ZnO nanorods on porous silicon for the application of p-n junction device. , 2010, , .		0
156	P2–13: Field emission characteristics of carbon nanotube forest on etched Si substrate. , 2010, , .		0
157	Aqueous synthesis of n-/p-type ZnO nanorods on porous silicon for the application of p-n junction device. , 2011, , .		0
158	Performance of hybrid codebook techniques for MISO downlink channels with limited feedback. , 2011, , ,		0
159	Field emission properties of a three-dimensional network of single-walled carbon nanotubes inside pores of porous silicon. , 2012, , .		0
160	Selection based inter-relay power allocation for multiple AF single-antenna relays. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	1.5	0
161	A Channel Allocation Algorithm for Cognitive Radio Systems Using Restless Multi-Armed Bandit. , 2013, , .		0
162	Greedy confidence bound techniques for restless multi-armed bandit based Cognitive Radio. , 2013, , .		0

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163	Multiuser analogue network coding with code division multiple access. Electronics Letters, 2013, 49, 1337-1338.	0.5	0
164	Performance analysis of hierarchical codebooks for limited channel feedback in MIMO systems. , 2014, , ,		0
165	Interference alignment based on stacked Alamouti code for 2×2 X channels with multiple antennas. , 2015, , .		0
166	An enhanced threshold-based feedback scheme for massive MU-MIMO downlink FDD systems. , 2015, , .		0
167	Interference Alignment Based on Alamouti Code for M x 2 X Channels with Multiple Antennas. , 2016, , .		0
168	Guiding blind transmitters for K-user MISO interference relay channels with Imperfect channel knowledge. , 2016, , .		0
169	A Novel Relay-Aided Successive Aligned Interference Cancellation for X Channels with Blind Transmitters. , 2016, , .		0
170	Multimode Precoding for Multiuser MIMO Systems With Finite Rate Feedback. IEEE Wireless Communications Letters, 2017, 6, 142-145.	3.2	0
171	On the Optimality of Gabidulin-Based LRCs as Codes with Multiple Local Erasure Correction. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2019, E102.A, 1326-1329.	0.2	0
172	Sum-Throughput Maximization for NOMA-Based WPCN with Signal Alignment. , 2020, , .		0
173	An Efficient Neural Network Architecture for Rate Maximization in Energy Harvesting Downlink Channels. , 2020, , .		0
174	RL-Based Transmission Completion Time Minimization with Energy Harvesting for Time-Varying Channels. , 2020, , .		0
175	Intelligent Traffic Control Systems Based on IEEE 802.11 DCF/PCF. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2012, E95.A, 1651-1654.	0.2	0
176	Multi-User Frequency Offset Correction for OFDMA Reverse Link. IEICE Transactions on Communications, 2012, E95.B, 2481-2484.	0.4	0
177	Repair Rates for Multiple Descriptions on Distributed Storage. Entropy, 2022, 24, 612.	1.1	Ο