

Lingyang Song

List of Publications by Citations

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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.

288
papers

7,856
citations

46
h-index

77
g-index

333
ext. papers

9,987
ext. citations

6.9
avg, IF

6.97
L-index

#	Paper	IF	Citations
288	Efficiency Resource Allocation for Device-to-Device Underlay Communication Systems: A Reverse Iterative Combinatorial Auction Based Approach. <i>IEEE Journal on Selected Areas in Communications</i> , 2013 , 31, 348-358	14.2	352
287	Sub-Channel Assignment, Power Allocation, and User Scheduling for Non-Orthogonal Multiple Access Networks. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 7686-7698	9.6	262
286	Joint Trajectory and Power Optimization for UAV Relay Networks. <i>IEEE Communications Letters</i> , 2018 , 22, 161-164	3.8	256
285	Joint Relay and Jammer Selection for Secure Two-Way Relay Networks. <i>IEEE Transactions on Information Forensics and Security</i> , 2012 , 7, 310-320	8	203
284	Cellular UAV-to-X Communications: Design and Optimization for Multi-UAV Networks. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 1346-1359	9.6	184
283	Reconfigurable Intelligent Surfaces for Wireless Communications: Principles, Challenges, and Opportunities. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2020 , 6, 990-1002	6.6	172
282	Contract-Based Incentive Mechanisms for Device-to-Device Communications in Cellular Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 33, 2144-2155	14.2	166
281	Hybrid Beamforming for Reconfigurable Intelligent Surface based Multi-User Communications: Achievable Rates With Limited Discrete Phase Shifts. <i>IEEE Journal on Selected Areas in Communications</i> , 2020 , 38, 1809-1822	14.2	163
280	Reconfigurable Intelligent Surfaces Assisted Communications With Limited Phase Shifts: How Many Phase Shifts Are Enough?. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 4498-4502	6.8	141
279	Relay Selection for Two-Way Relaying With Amplify-and-Forward Protocols. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 1954-1959	6.8	141
278	Energy-Efficient Resource Allocation for Device-to-Device Underlay Communication. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 2082-2092	9.6	137
277	Incentive Mechanism for Demand Side Management in Smart Grid Using Auction. <i>IEEE Transactions on Smart Grid</i> , 2014 , 5, 1379-1388	10.7	126
276	Bad Data Injection Attack and Defense in Electricity Market Using Game Theory Study. <i>IEEE Transactions on Smart Grid</i> , 2013 , 4, 160-169	10.7	124
275	User Pairing for Downlink Non-Orthogonal Multiple Access Networks Using Matching Algorithm. <i>IEEE Transactions on Communications</i> , 2017 , 65, 5319-5332	6.9	115
274	Interference-aware resource allocation for device-to-device communications as an underlay using sequential second price auction 2012 ,		111
273	Ultra-Dense LEO: Integrating Terrestrial-Satellite Networks Into 5G and Beyond for Data Offloading. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 47-62	9.6	107
272	D2D-U: Device-to-Device Communications in Unlicensed Bands for 5G System. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 3507-3519	9.6	101

271	Matching Theory: Applications in wireless communications. <i>IEEE Signal Processing Magazine</i> , 2016 , 33, 103-122	9.4	98
270	Non-Orthogonal Multiple Access for High-Reliable and Low-Latency V2X Communications in 5G Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2017 , 35, 2383-2397	14.2	95
269	Joint Radio and Computational Resource Allocation in IoT Fog Computing. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 7475-7484	6.8	94
268	Resource allocation using a reverse iterative combinatorial auction for device-to-device underlay cellular networks 2012 ,		90
267	Real-Time Profiling of Fine-Grained Air Quality Index Distribution Using UAV Sensing. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 186-198	10.7	87
266	Coalitional Games with Overlapping Coalitions for Interference Management in Small Cell Networks. <i>IEEE Transactions on Wireless Communications</i> , 2014 , 13, 2659-2669	9.6	80
265	Ultra-Dense LEO: Integration of Satellite Access Networks into 5G and Beyond. <i>IEEE Wireless Communications</i> , 2019 , 26, 62-69	13.4	79
264	Wireless Device-to-Device Communications and Networks 2015 ,		79
263	Practical Hybrid Beamforming With Finite-Resolution Phase Shifters for Reconfigurable Intelligent Surface Based Multi-User Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 4565-4570	6.8	74
262	Dynamic Popular Content Distribution in Vehicular Networks using Coalition Formation Games. <i>IEEE Journal on Selected Areas in Communications</i> , 2013 , 31, 538-547	14.2	74
261	Cellular V2X Communications in Unlicensed Spectrum: Harmonious Coexistence With VANET in 5G Systems. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 5212-5224	9.6	73
260	Joint Task Assignment, Transmission, and Computing Resource Allocation in Multilayer Mobile Edge Computing Systems. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 2872-2884	10.7	69
259	Differential Modulation for Bidirectional Relaying With Analog Network Coding. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 3933-3938	4.8	64
258	Full-Duplex MAC Protocol Design and Analysis. <i>IEEE Communications Letters</i> , 2015 , 19, 1185-1188	3.8	62
257	Efficient Full-Duplex Relaying With Joint Antenna-Relay Selection and Self-Interference Suppression. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 3991-4005	9.6	61
256	Beyond D2D: Full Dimension UAV-to-Everything Communications in 6G. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 6592-6602	6.8	61
255	Social Data Offloading in D2D-Enhanced Cellular Networks by Network Formation Games. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 7004-7015	9.6	60
254	Reinforcement Learning for Decentralized Trajectory Design in Cellular UAV Networks With Sense-and-Send Protocol. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 6177-6189	10.7	60

253	Distributed resource allocation for device-to-device communications underlying cellular networks 2013,		58
252	A Multi-Leader Multi-Follower Stackelberg Game for Resource Management in LTE Unlicensed. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 348-361	9.6	57
251	Sub-Channel and Power Allocation for Non-Orthogonal Multiple Access Relay Networks With Amplify-and-Forward Protocol. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 2249-2261	9.6	56
250	Hybrid Precoding Design for Reconfigurable Intelligent Surface Aided mmWave Communication Systems. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 1041-1045	5.9	54
249	Reconfigurable Intelligent Surface Based RF Sensing: Design, Optimization, and Implementation. <i>IEEE Journal on Selected Areas in Communications</i> , 2020 , 38, 2700-2716	14.2	53
248	Performance Analysis of Hybrid Relay Selection in Cooperative Wireless Systems. <i>IEEE Transactions on Communications</i> , 2012 , 60, 779-788	6.9	50
247	Energy-efficient radio resource and power allocation for device-to-device communication underlying cellular networks 2012,		48
246	Radio Resource Allocation for Device-to-Device Underlay Communication Using Hypergraph Theory. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 1-1	9.6	48
245	Reconfigurable Intelligent Surface (RIS) Assisted Wireless Coverage Extension: RIS Orientation and Location Optimization. <i>IEEE Communications Letters</i> , 2021 , 25, 269-273	3.8	48
244	Resource allocation in full-duplex communications for future wireless networks. <i>IEEE Wireless Communications</i> , 2015 , 22, 88-96	13.4	47
243	Reinforcement Learning for a Cellular Internet of UAVs: Protocol Design, Trajectory Control, and Resource Management. <i>IEEE Wireless Communications</i> , 2020 , 27, 116-123	13.4	46
242	Radio Resource Allocation for Downlink Non-Orthogonal Multiple Access (NOMA) Networks Using Matching Theory 2015,		46
241	Beyond Intelligent Reflecting Surfaces: Reflective-Transmissive Metasurface Aided Communications for Full-Dimensional Coverage Extension. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 13905-13909	6.8	45
240	UAV Aided Aerial-Ground IoT for Air Quality Sensing in Smart City: Architecture, Technologies, and Implementation. <i>IEEE Network</i> , 2019 , 33, 14-22	11.4	44
239	Radio resource allocation for physical-layer security in D2D underlay communications 2014,		44
238	Physical Layer Security for Two Way Relay Communications with Friendly Jammers 2010,		44
237	Joint User Pairing, Subchannel, and Power Allocation in Full-Duplex Multi-User OFDMA Networks. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 8260-8272	9.6	44
236	Cooperation Techniques for a Cellular Internet of Unmanned Aerial Vehicles. <i>IEEE Wireless Communications</i> , 2019 , 26, 167-173	13.4	43

235	UAV Offloading: Spectrum Trading Contract Design for UAV-Assisted Cellular Networks. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 6093-6107	9.6	42
234	Dynamic Path To Stability in LTE-Unlicensed With User Mobility: A Matching Framework. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 4547-4561	9.6	40
233	A Stackelberg Game Approach to Proactive Caching in Large-Scale Mobile Edge Networks. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 5198-5211	9.6	39
232	Incentive Mechanism for Mobile Crowdsourcing Using an Optimized Tournament Model. <i>IEEE Journal on Selected Areas in Communications</i> , 2017 , 35, 880-892	14.2	38
231	HetMEC: Latency-Optimal Task Assignment and Resource Allocation for Heterogeneous Multi-Layer Mobile Edge Computing. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 4942-4956	9.6	38
230	Joint Trajectory and Power Optimization for UAV Sensing Over Cellular Networks. <i>IEEE Communications Letters</i> , 2018 , 22, 2382-2385	3.8	38
229	2019 ,		37
228	Cellular UAV-to-Device Communications: Trajectory Design and Mode Selection by Multi-Agent Deep Reinforcement Learning. <i>IEEE Transactions on Communications</i> , 2020 , 68, 4175-4189	6.9	37
227	Platoon Cooperation in Cellular V2X Networks for 5G and Beyond. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 3919-3932	9.6	37
226	Cooperative Internet of UAVs: Distributed Trajectory Design by Multi-Agent Deep Reinforcement Learning. <i>IEEE Transactions on Communications</i> , 2020 , 68, 6807-6821	6.9	37
225	Transmit-Receive Antenna Pair Selection in Full Duplex Systems. <i>IEEE Wireless Communications Letters</i> , 2014 , 3, 34-37	5.9	36
224	A Hierarchical Game Approach for Multi-Operator Spectrum Sharing in LTE Unlicensed 2015 ,		36
223	Load Balancing for 5G Ultra-Dense Networks Using Device-to-Device Communications. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 4039-4050	9.6	35
222	Antenna Selection for MIMO Nonorthogonal Multiple Access Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 3158-3171	6.8	35
221	UAV Relaying: Power Allocation and Trajectory Optimization Using Decode-and-Forward Protocol 2018 ,		34
220	A novel caching mechanism for Internet of Things (IoT) sensing service with energy harvesting 2016 ,		34
219	Distributed Cooperative Sensing in Cognitive Radio Networks: An Overlapping Coalition Formation Approach. <i>IEEE Transactions on Communications</i> , 2014 , 62, 3144-3160	6.9	33
218	Exploiting Student-Project Allocation Matching for Spectrum Sharing in LTE-Unlicensed 2015 ,		32

217	Differential coding for non-orthogonal space-time block codes with non-unitary constellations over arbitrarily correlated rayleigh channels. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 3985-3995	9.6	31
216	LTE-Unlicensed Coexistence Mechanism: A Matching Game Framework. <i>IEEE Wireless Communications</i> , 2016 , 23, 54-60	13.4	31
215	Radio resource allocation for full-duplex OFDMA networks using matching theory 2014 ,		30
214	Joint scheduling and resource allocation for device-to-device underlay communication 2013 ,		30
213	Roadside Unit Caching: Auction-Based Storage Allocation for Multiple Content Providers. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 6321-6334	9.6	30
212	Beyond Cell-Free MIMO: Energy Efficient Reconfigurable Intelligent Surface Aided Cell-Free MIMO Communications. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2021 , 7, 412-426	6.6	30
211	Full-Duplex Amplify-and-Forward Relaying: Power and Location Optimization. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 8458-8468	6.8	29
210	Radio resource allocation for uplink sparse code multiple access (SCMA) networks using matching game 2016 ,		29
209	Tens of Gigabits Wireless Communications Over E-Band LoS MIMO Channels With Uniform Linear Antenna Arrays. <i>IEEE Transactions on Wireless Communications</i> , 2014 , 13, 3791-3805	9.6	29
208	Intelligent Omni-Surfaces: Ubiquitous Wireless Transmission by Reflective-Refractive Metasurfaces. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	29
207	HetMEC: Heterogeneous Multi-Layer Mobile Edge Computing in the 6 G Era. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 4388-4400	6.8	28
206	Game theoretic approaches for wireless proactive caching 2016 , 54, 37-43		28
205	Unmanned Aerial Vehicle Applications over Cellular Networks for 5G and Beyond. <i>Wireless Networks</i> , 2020 ,	0.6	28
204	Non-Cash Auction for Spectrum Trading in Cognitive Radio Networks: Contract Theoretical Model With Joint Adverse Selection and Moral Hazard. <i>IEEE Journal on Selected Areas in Communications</i> , 2017 , 35, 643-653	14.2	27
203	Non-Cooperative Feedback-Rate Control Game for Channel State Information in Wireless Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2012 , 30, 188-197	14.2	27
202	Truthful Mechanisms for Secure Communication in Wireless Cooperative System. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 4236-4245	9.6	27
201	Age of Information in a Cellular Internet of UAVs: Sensing and Communication Trade-Off Design. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 6578-6592	9.6	27
200	. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 1754-1767	10.7	27

199	Caching as a Service: Small-Cell Caching Mechanism Design for Service Providers. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 6992-7004	9.6	26
198	Optimal Power Dispatching for Local Area Packetized Power Network. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 4765-4776	10.7	25
197	MetaLocalization: Reconfigurable Intelligent Surface Aided Multi-user Wireless Indoor Localization. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	25
196	How Much Computing Capability Is Enough to Run a Cloud Radio Access Network?. <i>IEEE Communications Letters</i> , 2017 , 21, 104-107	3.8	24
195	ImgSensingNet: UAV Vision Guided Aerial-Ground Air Quality Sensing System 2019 ,		24
194	Efficient resource allocation for mobile social networks in D2D communication underlying cellular networks 2014 ,		24
193	Effect of stealthy bad data injection on network congestion in market based power system 2012 ,		24
192	Reconfigurable Intelligent Surface Assisted Device-to-Device Communications. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 2792-2804	9.6	24
191	Towards Ubiquitous Positioning by Leveraging Reconfigurable Intelligent Surface. <i>IEEE Communications Letters</i> , 2021 , 25, 284-288	3.8	24
190	Ultra-Dense LEO Satellite Offloading for Terrestrial Networks: How Much to Pay the Satellite Operator?. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 6240-6254	9.6	23
189	Interference Improves PHY Security for Cognitive Radio Networks. <i>IEEE Transactions on Information Forensics and Security</i> , 2016 , 11, 609-620	8	23
188	Reconfigurable Intelligent Surfaces in 6G: Reflective, Transmissive, or Both?. <i>IEEE Communications Letters</i> , 2021 , 25, 2063-2067	3.8	23
187	IoT-U: Cellular Internet-of-Things Networks Over Unlicensed Spectrum. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 2477-2492	9.6	21
186	Radio resource allocation for non-orthogonal multiple access (NOMA) relay network using matching game 2016 ,		21
185	Cross-Layer Protocol Design for CSMA/CD in Full-Duplex WiFi Networks. <i>IEEE Communications Letters</i> , 2016 , 20, 792-795	3.8	21
184	Overlapping coalitional games for collaborative sensing in cognitive radio networks 2013 ,		20
183	Arms: A Fine-Grained 3D AQI Realtime Monitoring System by UAV 2017 ,		20
182	Graph-based resource allocation for D2D communications underlying cellular networks 2013 ,		20

181	Zero-determinant strategy for power control of small cell network 2014 ,		19
180	Collaborative Smartphone Sensing Using Overlapping Coalition Formation Games. <i>IEEE Transactions on Mobile Computing</i> , 2017 , 16, 30-43	4.6	18
179	Cooperative Collision Avoidance for Overtaking Maneuvers in Cellular V2X-Based Autonomous Driving. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 4434-4446	6.8	18
178	Zero-Determinant Strategy for Resource Sharing in Wireless Cooperations. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 2179-2192	9.6	18
177	NOMA-Based Low-Latency and High-Reliable Broadcast Communications for 5G V2X Services 2017 ,		18
176	Intelligent Omni-Surfaces for Full-Dimensional Wireless Communications: Principles, Technology, and Implementation. <i>IEEE Communications Magazine</i> , 2022 , 60, 39-45	9.1	18
175	A Distributed Differential Space-Time Coding Scheme With Analog Network Coding in Two-Way Relay Networks. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 4998-5004	4.8	17
174	Social network enhanced device-to-device communication underlying cellular networks 2013 ,		17
173	Distributed Coalition Formation of Relay and Friendly Jammers for Secure Cooperative Networks 2011 ,		17
172	Joint Relay and Jammer Selection for Secure Two-Way Relay Networks 2011 ,		17
171	Ultra-Dense LEO Satellite Constellations: How Many LEO Satellites Do We Need?. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 4843-4857	9.6	17
170	Short-Packet Two-Way Amplify-and-Forward Relaying. <i>IEEE Signal Processing Letters</i> , 2018 , 25, 263-267	3.2	16
169	Simultaneous Bidirectional Link Selection in Full Duplex MIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 4052-4062	9.6	16
168	Reconfigurable Intelligent Surface Aided Cell-Free MIMO Communications. <i>IEEE Wireless Communications Letters</i> , 2020 , 1-1	5.9	16
167	Dual Trajectory Optimization for a Cooperative Internet of UAVs. <i>IEEE Communications Letters</i> , 2019 , 23, 1093-1096	3.8	15
166	Hybrid MAC Protocol Design and Optimization for Full Duplex Wi-Fi Networks. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 3615-3630	9.6	15
165	MetaRadar: Indoor Localization by Reconfigurable Metamaterials. <i>IEEE Transactions on Mobile Computing</i> , 2020 , 1-1	4.6	15
164	Reconfigurable Intelligent Surface (RIS)-Enhanced Two-Way OFDM Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 16270-16275	6.8	15

163	Bridge the Gap Between ADMM and Stackelberg Game: Incentive Mechanism Design for Big Data Networks. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 191-195	3.2	14
162	Proactive Video Push for Optimizing Bandwidth Consumption in Hybrid CDN-P2P VoD Systems 2018 ,		14
161	AQNet: Fine-grained 3D spatio-temporal air quality monitoring by aerial-ground WSN 2018 ,		13
160	Interference Alignment With Differential Feedback. <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 2878-2883	6.8	13
159	On the Minimum Differential Feedback for Time-Correlated MIMO Rayleigh Block-Fading Channels. <i>IEEE Transactions on Communications</i> , 2012 , 60, 411-420	6.9	13
158	Joint spectrum access and power allocation in full-duplex cognitive cellular networks 2015 ,		13
157	Joint relay and antenna selection for full-duplex AF relay networks 2014 ,		13
156	Improve physical layer security in cooperative wireless network using distributed auction games 2011 ,		13
155	Reconfigurable Holographic Surface: Holographic Beamforming for Metasurface-Aided Wireless Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 6255-6259	6.8	13
154	Cyclic Three-Sided Matching Game Inspired Wireless Network Virtualization. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 20, 416-428	4.6	13
153	Power Allocation for Two-Way Relay System Based on Sequential Second Price Auction. <i>Wireless Personal Communications</i> , 2012 , 67, 47-62	1.9	12
152	Satellite-Aerial Integrated Computing in Disasters: User Association and Offloading Decision 2020 ,		12
151	Exploiting the Stable Fixture Matching Game for Content Sharing in D2D-Based LTE-V2X Communications 2016 ,		12
150	Real-Time Fine-Grained Air Quality Sensing Networks in Smart City: Design, Implementation, and Optimization. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 7526-7542	10.7	12
149	On the Performance of X-Duplex Relaying. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 1868-1880	11	11
148	Mode selection, user pairing, subcarrier allocation and power control in full-duplex OFDMA HetNets 2015 ,		11
147	ROOMMATES: An Unsupervised Indoor Peer Discovery Approach for LTE D2D Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 5069-5083	6.8	11
146	Overlapping coalition formation games for cooperative interference management in small cell networks 2013 ,		11

145	Reconfigurable Intelligent Surface Assisted Multi-User Communications: How Many Reflective Elements Do We Need?. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 1098-1102	5.9	11
144	MetaSensing: Intelligent Metasurface Assisted RF 3D Sensing by Deep Reinforcement Learning. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 2182-2197	14.2	11
143	X-Duplex Radios: Flexible Switching Between Full-Duplex and Half-Duplex. <i>IEEE Wireless Communications Letters</i> , 2018 , 7, 94-97	5.9	10
142	Distributed Multi-Cloud Multi-Access Edge Computing by Multi-Agent Reinforcement Learning. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 2565-2578	9.6	10
141	Design and implementation of device-to-device software-defined networks 2016 ,		10
140	Game Theory for Big Data Processing: Multileader Multifollower Game-Based ADMM. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 3933-3945	4.8	10
139	Device-to-Device Communications Underlying Cellular Networks: To Use Unlicensed Spectrum or Not?. <i>IEEE Transactions on Communications</i> , 2019 , 67, 6598-6611	6.9	9
138	Selective combining for hybrid cooperative networks. <i>IET Communications</i> , 2014 , 8, 471-482	1.3	9
137	Capacity Analysis of Bidirectional AF Relay Selection with Imperfect Channel State Information. <i>IEEE Wireless Communications Letters</i> , 2013 , 2, 255-258	5.9	9
136	Cost Efficiency for Economical Mobile Data Traffic Management From Users' Perspective. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 362-375	9.6	9
135	Peer-to-Peer Packet Dispatching for Multi-Router Local Area Packetized Power Networks. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 5748-5758	10.7	9
134	AQ360: UAV-Aided Air Quality Monitoring by 360-Degree Aerial Panoramic Images in Urban Areas. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 428-442	10.7	9
133	Reconfigurable Intelligent Surface Enhanced NOMA Assisted Backscatter Communication System. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 7261-7266	6.8	9
132	Radio resource management for cloud-RAN networks with computing capability constraints 2016 ,		8
131	Cell selection in two-tier femtocell networks with open/closed access using evolutionary game 2013 ,		8
130	Large-Scale Fog Computing Optimization Using Equilibrium Problem with Equilibrium Constraints 2017 ,		8
129	Financing contract with adverse selection and moral hazard for spectrum trading in cognitive radio networks 2015 ,		8
128	Device-to-Device Load Balancing for Cellular Networks 2015 ,		8

127	Power allocation using Vickrey auction and sequential first-price auction games for physical layer security in cognitive relay networks 2012,		8
126	Spatial Equalization Before Reception: Reconfigurable Intelligent Surfaces for Multi-Path Mitigation 2021,		8
125	Distributed Trajectory Design for Cooperative Internet of UAVs Using Deep Reinforcement Learning 2019,		8
124	Sensor Deployment Recommendation for 3D Fine-Grained Air Quality Monitoring Using Semi-Supervised Learning 2018,		8
123	Reconfigurable Holographic Surfaces for Future Wireless Communications. <i>IEEE Wireless Communications</i> , 2021 , 28, 126-131	13.4	8
122	AirScope: Mobile Robots-Assisted Cooperative Indoor Air Quality Sensing by Distributed Deep Reinforcement Learning. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 9189-9200	10.7	7
121	Joint Resource Management With Distributed Uplink Power Control in Full-Duplex OFDMA Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 2850-2863	6.8	7
120	A Mean-Field-Type Game Approach to Computation Offloading in Mobile Edge Computing Networks 2019,		7
119	Weighted Bidirectional Relay Selection for Outdated Channel State Information. <i>IEEE Transactions on Communications</i> , 2014 , 62, 500-509	6.9	7
118	SDN based uniform network architecture for future wireless networks 2014,		7
117	Peer-to-Peer Energy Trading in DC Packetized Power Microgrids. <i>IEEE Journal on Selected Areas in Communications</i> , 2020 , 38, 17-30	14.2	7
116	EPASS360: QoE-Aware 360-Degree Video Streaming Over Mobile Devices. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 20, 2338-2353	4.6	7
115	On Spatial Multiplexing Using Reconfigurable Intelligent Surfaces. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 226-230	5.9	7
114	UAV-to-Device Underlay Communications: Age of Information Minimization by Multi-Agent Deep Reinforcement Learning. <i>IEEE Transactions on Communications</i> , 2021 , 69, 4461-4475	6.9	7
113	Simultaneously Transmitting and Reflecting Intelligent Omni-Surfaces: Modeling and Implementation. <i>IEEE Vehicular Technology Magazine</i> , 2022 , 2-10	9.9	7
112	LadderNet: Knowledge Transfer Based Viewpoint Prediction in 360o Video 2019,		6
111	Improve secure communications in cognitive two-way relay networks using sequential second price auction 2011,		6
110	. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 1-1	14.2	6

109	Cellular Assisted UAV Sensing. <i>Wireless Networks</i> , 2020 , 101-221	0.6	6
108	. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 8366-8381	9.6	6
107	Sensing and Communication Tradeoff Design for AoI Minimization in a Cellular Internet of UAVs 2020 ,		6
106	Interference Exploitation Precoding for Reconfigurable Intelligent Surface Aided Multi-User Communications With Direct Links. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 1937-1941	5.9	6
105	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2019 , 13, 766-780	7.5	6
104	Device-to-Device Load Balancing for Cellular Networks. <i>IEEE Transactions on Communications</i> , 2019 , 67, 3040-3054	6.9	6
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102	Trellis Coded Modulation for Code-Domain Non-Orthogonal Multiple Access Networks 2018 ,		6
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