

K J Ray Liu

List of Publications by Year in descending order

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735
papers

22,615
citations

13827

67
h-index

18606

119
g-index

783
all docs

783
docs citations

783
times ranked

10717
citing authors

#	ARTICLE	IF	CITATIONS
1	Transmit beamforming and power control for cellular wireless systems. IEEE Journal on Selected Areas in Communications, 1998, 16, 1437-1450.	9.7	704
2	Information theoretic framework of trust modeling and evaluation for ad hoc networks. IEEE Journal on Selected Areas in Communications, 2006, 24, 305-317.	9.7	471
3	Signal processing techniques in network-aided positioning: a survey of state-of-the-art positioning designs. IEEE Signal Processing Magazine, 2005, 22, 12-23.	4.6	461
4	Advances in Energy Harvesting Communications: Past, Present, and Future Challenges. IEEE Communications Surveys and Tutorials, 2016, 18, 1384-1412.	24.8	453
5	Fair multiuser channel allocation for OFDMA networks using Nash bargaining solutions and coalitions. IEEE Transactions on Communications, 2005, 53, 1366-1376.	4.9	452
6	Joint optimal power control and beamforming in wireless networks using antenna arrays. IEEE Transactions on Communications, 1998, 46, 1313-1324.	4.9	433
7	Game theory for cognitive radio networks: An overview. Computer Networks, 2010, 54, 2537-2561.	3.2	410
8	Anti-collusion fingerprinting for multimedia. IEEE Transactions on Signal Processing, 2003, 51, 1069-1087.	3.2	365
9	Distributed Relay Selection and Power Control for Multiuser Cooperative Communication Networks Using Stackelberg Game. IEEE Transactions on Mobile Computing, 2009, 8, 975-990.	3.9	360
10	Multinode Cooperative Communications in Wireless Networks. IEEE Transactions on Signal Processing, 2007, 55, 341-355.	3.2	316
11	Information Forensics: An Overview of the First Decade. IEEE Access, 2013, 1, 167-200.	2.6	308
12	Cognitive multiple access via cooperation: Protocol design and performance analysis. IEEE Transactions on Information Theory, 2007, 53, 3677-3696.	1.5	295
13	Cooperative Communication Protocols in Wireless Networks: Performance Analysis and Optimum Power Allocation. Wireless Personal Communications, 2008, 44, 181-217.	1.8	274
14	A trust evaluation framework in distributed networks: Vulnerability analysis and defense against attacks. , 2006, , .		238
15	Digital image forensics via intrinsic fingerprints. IEEE Transactions on Information Forensics and Security, 2008, 3, 101-117.	4.5	237
16	Defense of trust management vulnerabilities in distributed networks. , 2008, 46, 112-119.		218
17	Full-rate full-diversity space-frequency codes with optimum coding advantage. IEEE Transactions on Information Theory, 2005, 51, 229-249.	1.5	212
18	Anti-Jamming Games in Multi-Channel Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2012, 30, 4-15.	9.7	199

#	ARTICLE	IF	CITATIONS
19	Non-cooperative resource competition game by virtual referee in multi-cell OFDMA networks. IEEE Journal on Selected Areas in Communications, 2007, 25, 1079-1090.	9.7	198
20	Robust Median Filtering Forensics Using an Autoregressive Model. IEEE Transactions on Information Forensics and Security, 2013, 8, 1456-1468.	4.5	194
21	Evolutionary cooperative spectrum sensing game: how to collaborate?. IEEE Transactions on Communications, 2010, 58, 890-900.	4.9	191
22	Rate-Energy Region of SWIPT for MIMO Broadcasting Under Nonlinear Energy Harvesting Model. IEEE Transactions on Wireless Communications, 2017, 16, 5147-5161.	6.1	186
23	Anti-forensics of digital image compression. IEEE Transactions on Information Forensics and Security, 2011, 6, 1050-1065.	4.5	180
24	Renewal-theoretical dynamic spectrum access in cognitive radio network with unknown primary behavior. IEEE Journal on Selected Areas in Communications, 2013, 31, 406-416.	9.7	177
25	Joint Spectrum Sensing and Access Evolutionary Game in Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2013, 12, 2470-2483.	6.1	175
26	Green Wireless Communications: A Time-Reversal Paradigm. IEEE Journal on Selected Areas in Communications, 2011, 29, 1698-1710.	9.7	174
27	Temporal Forensics and Anti-Forensics for Motion Compensated Video. IEEE Transactions on Information Forensics and Security, 2012, 7, 1315-1329.	4.5	174
28	Collusion-resistant fingerprinting for multimedia. IEEE Signal Processing Magazine, 2004, 21, 15-27.	4.6	168
29	Outage analysis and optimal power allocation for multinode relay networks. IEEE Signal Processing Letters, 2007, 14, 377-380.	2.1	165
30	Obtaining full-diversity space-frequency codes from space-time codes via mapping. IEEE Transactions on Signal Processing, 2003, 51, 2905-2916.	3.2	154
31	Distributed energy-efficient cooperative routing in wireless networks. IEEE Transactions on Wireless Communications, 2008, 7, 3930-3941.	6.1	154
32	Fractal modeling and segmentation for the enhancement of microcalcifications in digital mammograms. IEEE Transactions on Medical Imaging, 1997, 16, 785-798.	5.4	144
33	Anti-collusion forensics of multimedia fingerprinting using orthogonal modulation. IEEE Transactions on Image Processing, 2005, 14, 804-821.	6.0	142
34	Evolutionary Dynamics of Information Diffusion Over Social Networks. IEEE Transactions on Signal Processing, 2014, 62, 4573-4586.	3.2	141
35	Robust Detection of Image Operator Chain With Two-Stream Convolutional Neural Network. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 955-968.	7.3	139
36	Forensic analysis of nonlinear collusion attacks for multimedia fingerprinting. IEEE Transactions on Image Processing, 2005, 14, 646-661.	6.0	134

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37	Distributed Relay Selection and Power Control for Multiuser Cooperative Communication Networks Using Buyer/Seller Game. , 2007, , .		131
38	SER performance analysis and optimum power allocation for decode-and-forward cooperation protocol in wireless networks. , 0, , .		128
39	Multi-Stage Pricing Game for Collusion-Resistant Dynamic Spectrum Allocation. IEEE Journal on Selected Areas in Communications, 2008, 26, 182-191.	9.7	128
40	A high-resolution technique for multidimensional NMR spectroscopy. IEEE Transactions on Biomedical Engineering, 1998, 45, 78-86.	2.5	127
41	A Time-Reversal Paradigm for Indoor Positioning System. IEEE Transactions on Vehicular Technology, 2015, 64, 1331-1339.	3.9	126
42	Time-Reversal Wideband Communications. IEEE Signal Processing Letters, 2013, 20, 1219-1222.	2.1	115
43	Graphical Evolutionary Game for Information Diffusion Over Social Networks. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 524-536.	7.3	115
44	Differential transmission for amplify-and-forward Cooperative communications. IEEE Signal Processing Letters, 2005, 12, 597-600.	2.1	114
45	Time-Reversal Wireless Paradigm for Green Internet of Things: An Overview. IEEE Internet of Things Journal, 2014, 1, 81-98.	5.5	110
46	Wavelet-based multiresolution local tomography. IEEE Transactions on Image Processing, 1997, 6, 1412-1430.	6.0	108
47	A systematic design of high-rate complex orthogonal space-time block codes. IEEE Communications Letters, 2004, 8, 380-382.	2.5	108
48	Towards maximum achievable diversity in space, time, and frequency: performance analysis and code design. IEEE Transactions on Wireless Communications, 2005, 4, 1847-1857.	6.1	108
49	Achieving Centimeter Accuracy Indoor Localization on WiFi Platforms: A Frequency Hopping Approach. IEEE Internet of Things Journal, 2016, , 1-1.	5.5	105
50	Distributive Opportunistic Spectrum Access for Cognitive Radio using Correlated Equilibrium and No-Regret Learning. , 2007, , .		98
51	A scalable collusion-resistant multi-winner cognitive spectrum auction game. IEEE Transactions on Communications, 2009, 57, 3805-3816.	4.9	93
52	TR-BREATH: Time-Reversal Breathing Rate Estimation and Detection. IEEE Transactions on Biomedical Engineering, 2018, 65, 489-501.	2.5	92
53	A scalable multicast key management scheme for heterogeneous wireless networks. IEEE/ACM Transactions on Networking, 2004, 12, 653-666.	2.6	91
54	Repeated open spectrum sharing game with cheat-proof strategies. IEEE Transactions on Wireless Communications, 2009, 8, 1922-1933.	6.1	91

#	ARTICLE	IF	CITATIONS
55	Distributed Relay-Assignment Protocols for Coverage Expansion in Cooperative Wireless Networks. IEEE Transactions on Mobile Computing, 2010, 9, 505-515.	3.9	90
56	Incentive Cooperation Strategies for Peer-to-Peer Live Multimedia Streaming Social Networks. IEEE Transactions on Multimedia, 2009, 11, 396-412.	5.2	89
57	Data-Driven Stochastic Models and Policies for Energy Harvesting Sensor Communications. IEEE Journal on Selected Areas in Communications, 2015, , 1-1.	9.7	89
58	Adaptive blind source separation and equalization for multiple-input/multiple-output systems. IEEE Transactions on Information Theory, 1998, 44, 2864-2876.	1.5	86
59	Computerized radiographic mass detection. I. Lesion site selection by morphological enhancement and contextual segmentation. IEEE Transactions on Medical Imaging, 2001, 20, 289-301.	5.4	86
60	The Promise of Radio Analytics: A Future Paradigm of Wireless Positioning, Tracking, and Sensing. IEEE Signal Processing Magazine, 2018, 35, 59-80.	4.6	86
61	Multiband-OFDM MIMO coding framework for UWB communication systems. IEEE Transactions on Signal Processing, 2006, 54, 214-224.	3.2	85
62	Resource Allocation for Multiuser Cooperative OFDM Networks: Who Helps Whom and How to Cooperate. IEEE Transactions on Vehicular Technology, 2009, 58, 2378-2391.	3.9	83
63	Anti-forensics of JPEG compression. , 2010, , .		83
64	A Distributed Relay-Assignment Algorithm for Cooperative Communications in Wireless Networks. , 2006, , .		81
65	Primary-Prioritized Markov Approach for Dynamic Spectrum Access. , 2007, , .		81
66	Spectrum Auction Games for Multimedia Streaming Over Cognitive Radio Networks. IEEE Transactions on Communications, 2010, 58, 2381-2390.	4.9	80
67	Blind forensics of contrast enhancement in digital images. , 2008, , .		79
68	Time-Reversal Division Multiple Access over Multi-Path Channels. IEEE Transactions on Communications, 2012, 60, 1953-1965.	4.9	79
69	SMARS: Sleep Monitoring via Ambient Radio Signals. IEEE Transactions on Mobile Computing, 2021, 20, 217-231.	3.9	79
70	Unified parallel lattice structures for time-recursive discrete cosine/sine/Hartley transforms. IEEE Transactions on Signal Processing, 1993, 41, 1357-1377.	3.2	78
71	Fingerprint multicast in secure video streaming. IEEE Transactions on Image Processing, 2006, 15, 12-29.	6.0	77
72	Noncooperative power-control game and throughput game over wireless networks. IEEE Transactions on Communications, 2005, 53, 1625-1629.	4.9	76

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73	Indirect Reciprocity Security Game for Large-Scale Wireless Networks. IEEE Transactions on Information Forensics and Security, 2012, 7, 1368-1380.	4.5	74
74	Privacy or Utility in Data Collection? A Contract Theoretic Approach. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 1256-1269.	7.3	74
75	On the energy efficiency of cooperative communications in wireless sensor networks. ACM Transactions on Sensor Networks, 2009, 6, 1-21.	2.3	73
76	Achieving Centimeter Accuracy Indoor Localization on WiFi Platforms: An Multi-Antenna Approach. IEEE Internet of Things Journal, 2016, , 1-1.	5.5	72
77	Scalable hierarchical access control in secure group communications. , 2004, , .		68
78	Game Theoretic Analysis of Cooperation Stimulation and Security in Autonomous Mobile Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2007, 6, 507-521.	3.9	68
79	Undetectable image tampering through JPEG compression anti-forensics. , 2010, , .		68
80	SPC12-5: Relay Selection in Multi-Node Cooperative Communications: When to Cooperate and Whom to Cooperate with?. , 2006, , .		66
81	WiSpeed: A Statistical Electromagnetic Approach for Device-Free Indoor Speed Estimation. IEEE Internet of Things Journal, 2018, 5, 2163-2177.	5.5	66
82	Game theoretical mechanism design methods. IEEE Signal Processing Magazine, 2008, 25, 74-84.	4.6	65
83	Near-optimal reinforcement learning framework for energy-aware sensor communications. IEEE Journal on Selected Areas in Communications, 2005, 23, 788-797.	9.7	64
84	Dependence network modeling for biomarker identification. Bioinformatics, 2007, 23, 198-206.	1.8	64
85	Distributed Adaptive Networks: A Graphical Evolutionary Game-Theoretic View. IEEE Transactions on Signal Processing, 2013, 61, 5675-5688.	3.2	64
86	Key management and distribution for secure multimedia multicast. IEEE Transactions on Multimedia, 2003, 5, 544-557.	5.2	63
87	Downlink power control and base station assignment. IEEE Communications Letters, 1997, 1, 102-104.	2.5	61
88	Power minimization for multi-cell OFDM networks using distributed non-cooperative game approach. , 2004, , .		61
89	A parameter estimation scheme for damped sinusoidal signals based on low-rank Hankel approximation. IEEE Transactions on Signal Processing, 1997, 45, 481-486.	3.2	60
90	Group-Oriented Fingerprinting for Multimedia Forensics. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.0	60

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91	Software radio architecture with smart antennas: a tutorial on algorithms and complexity. IEEE Journal on Selected Areas in Communications, 1999, 17, 662-676.	9.7	59
92	Energy-Efficient Base-Station Cooperative Operation with Guaranteed QoS. IEEE Transactions on Communications, 2013, 61, 3505-3517.	4.9	59
93	ViMo: Multiperson Vital Sign Monitoring Using Commodity Millimeter-Wave Radio. IEEE Internet of Things Journal, 2021, 8, 1294-1307.	5.5	59
94	Radio Biometrics: Human Recognition Through a Wall. IEEE Transactions on Information Forensics and Security, 2017, 12, 1141-1155.	4.5	58
95	A MIMO-OFDM channel estimation approach using time of arrivals. IEEE Transactions on Wireless Communications, 2005, 4, 1207-1213.	6.1	57
96	Hierarchical group access control for secure multicast communications. IEEE/ACM Transactions on Networking, 2007, 15, 1514-1526.	2.6	57
97	Optimum threshold-selection relaying for decode-and-forward cooperation protocol. , 2006, , .		55
98	Attacks on Trust Evaluation in Distributed Networks. , 2006, , .		54
99	Differential Modulations for Multinode Cooperative Communications. IEEE Transactions on Signal Processing, 2008, 56, 2941-2956.	3.2	54
100	On Energy Harvesting Gain and Diversity Analysis in Cooperative Communications. IEEE Journal on Selected Areas in Communications, 2015, 33, 2641-2657.	9.7	54
101	mmTrack: Passive Multi-Person Localization Using Commodity Millimeter Wave Radio. , 2020, , .		54
102	Dynamic Chinese Restaurant Game: Theory and Application to Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2014, 13, 1960-1973.	6.1	52
103	High accuracy indoor localization: A WiFi-based approach. , 2016, , .		51
104	Real-time parallel and fully pipelined two-dimensional DCT lattice structures with application to HDTV systems. IEEE Transactions on Circuits and Systems for Video Technology, 1992, 2, 25-37.	5.6	50
105	Optimal Pricing Strategy for Operators in Cognitive Femtocell Networks. IEEE Transactions on Wireless Communications, 2014, 13, 5288-5301.	6.1	50
106	Computerized radiographic mass detection. II. Decision support by featured database visualization and modular neural networks. IEEE Transactions on Medical Imaging, 2001, 20, 302-313.	5.4	49
107	Space-time signal design for time-correlated Rayleigh fading channels. , 2003, , .		49
108	Belief-Assisted Pricing for Dynamic Spectrum Allocation in Wireless Networks with Selfish Users. , 2006, , .		49

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109	Forensic estimation and reconstruction of a contrast enhancement mapping. , 2010, , .		49
110	Game-theoretic strategies and equilibriums in multimedia fingerprinting social networks. IEEE Transactions on Multimedia, 2011, 13, 191-205.	5.2	49
111	Data Trading With Multiple Owners, Collectors, and Users: An Iterative Auction Mechanism. IEEE Transactions on Signal and Information Processing Over Networks, 2017, 3, 268-281.	1.6	49
112	Robust image and video transmission over spectrally shaped channels using multicarrier modulation. IEEE Transactions on Multimedia, 1999, 1, 88-103.	5.2	48
113	A multi-winner cognitive spectrum auction framework with collusion-resistant mechanisms. , 2008, , .		48
114	Attack-resistant cooperation stimulation in autonomous ad hoc networks. IEEE Journal on Selected Areas in Communications, 2005, 23, 2260-2271.	9.7	47
115	Respiration Tracking for People Counting and Recognition. IEEE Internet of Things Journal, 2020, 7, 5233-5245.	5.5	47
116	2-D spatial smoothing for multipath coherent signal separation. IEEE Transactions on Aerospace and Electronic Systems, 1998, 34, 391-405.	2.6	46
117	JET: Dynamic Join-Exit-Tree Amortization and Scheduling for Contributory Key Management. IEEE/ACM Transactions on Networking, 2006, 14, 1128-1140.	2.6	46
118	Online Convex Optimization With Time-Varying Constraints and Bandit Feedback. IEEE Transactions on Automatic Control, 2019, 64, 2665-2680.	3.6	46
119	Trust modeling and evaluation in ad hoc networks. , 2005, , .		45
120	Cooperative peer-to-peer streaming: An evolutionary game-theoretic approach. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 1346-1357.	5.6	45
121	Why Time Reversal for Future 5G Wireless? [Perspectives]. IEEE Signal Processing Magazine, 2016, 33, 17-26.	4.6	45
122	WiDetect. , 2019, 3, 1-24.		45
123	Adaptive channel estimation using cyclic prefix in multicarrier modulation system. IEEE Communications Letters, 1999, 3, 291-293.	2.5	44
124	Robust progressive image transmission over OFDM systems using space-time block code. IEEE Transactions on Multimedia, 2002, 4, 394-406.	5.2	44
125	Cooperative communications with partial channel state information: When to cooperate?. , 2005, , .		44
126	Key distribution for secure multimedia multicasts via data embedding. , 2001, , .		43

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127	Distributed cooperative routing algorithms for maximizing network lifetime. , 2006, , .		43
128	A data analytic approach to quantifying scientific impact. Journal of Informetrics, 2016, 10, 471-484.	1.4	43
129	GaitWay: Monitoring and Recognizing Gait Speed Through the Walls. IEEE Transactions on Mobile Computing, 2021, 20, 2186-2199.	3.9	43
130	Novel parallel architectures for short-time Fourier transform. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1993, 40, 786-790.	2.3	42
131	DCT-based motion estimation. IEEE Transactions on Image Processing, 1998, 7, 948-965.	6.0	42
132	Design criteria and performance analysis for distributed space-time coding. IEEE Transactions on Vehicular Technology, 2008, 57, 2280-2292.	3.9	41
133	mmHRV: Contactless Heart Rate Variability Monitoring Using Millimeter-Wave Radio. IEEE Internet of Things Journal, 2021, 8, 16623-16636.	5.5	41
134	VLSI design of high-speed time-recursive 2-D DCT/IDCT processor for video applications. IEEE Transactions on Circuits and Systems for Video Technology, 1996, 6, 87-96.	5.6	40
135	Algorithm-based low-power and high-performance multimedia signal processing. Proceedings of the IEEE, 1998, 86, 1155-1202.	16.4	40
136	Multuser rate allocation games for multimedia communications. IEEE Transactions on Multimedia, 2009, 11, 1170-1181.	5.2	40
137	Low-complexity OFDMA channel allocation with Nash bargaining solution fairness. , 2004, , .		39
138	Trans-Modulation in Wireless Relay Networks. IEEE Communications Letters, 2008, 12, 170-172.	2.5	39
139	Performance Analysis of Two-Way Relaying with Non-Coherent Differential Modulation. IEEE Transactions on Wireless Communications, 2011, 10, 2004-2014.	6.1	39
140	Multi-Channel Sensing and Access Game: Bayesian Social Learning with Negative Network Externality. IEEE Transactions on Wireless Communications, 2014, 13, 2176-2188.	6.1	39
141	On Cost-Effective Incentive Mechanisms in Microtask Crowdsourcing. IEEE Transactions on Games, 2015, 7, 3-15.	1.7	39
142	Smart deployment/movement of unmanned air vehicle to improve connectivity in MANET. , 2006, , .		38
143	URV ESPRIT for tracking time-varying signals. IEEE Transactions on Signal Processing, 1994, 42, 3441-3448.	3.2	36
144	Ensemble dependence model for classification and prediction of cancer and normal gene expression data. Bioinformatics, 2005, 21, 3114-3121.	1.8	36

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145	Cooperation enforcement and learning for optimizing packet forwarding in autonomous wireless networks. IEEE Transactions on Wireless Communications, 2008, 7, 3150-3163.	6.1	36
146	Power Waveforming: Wireless Power Transfer Beyond Time Reversal. IEEE Transactions on Signal Processing, 2016, 64, 5819-5834.	3.2	36
147	Downlink beamforming for DS-CDMA mobile radio with multimedia services. IEEE Transactions on Communications, 2001, 49, 1288-1298.	4.9	34
148	Cooperative communications protocol for multiuser OFDM networks. IEEE Transactions on Wireless Communications, 2008, 7, 2430-2435.	6.1	34
149	Robust connectivity-aware energy-efficient routing for wireless sensor networks. IEEE Transactions on Wireless Communications, 2008, 7, 3904-3916.	6.1	34
150	Anti-forensics of median filtering. , 2013, , .		34
151	A complete pipelined parallel CORDIC architecture for motion estimation. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1998, 45, 653-660.	2.3	33
152	Energy-efficient cellular network operation via base station cooperation. , 2012, , .		33
153	A context adaptive predictor of sensor pattern noise for camera source identification. , 2012, , .		33
154	Forensics vs. anti-forensics: A decision and game theoretic framework. , 2012, , .		33
155	A contract-based approach for ancillary services in V2G networks: Optimality and learning. , 2013, , .		33
156	Sequential Chinese Restaurant Game. IEEE Transactions on Signal Processing, 2013, 61, 571-584.	3.2	33
157	Wireless AI in Smart Car: How Smart a Car Can Be?. IEEE Access, 2020, 8, 55091-55112.	2.6	32
158	EasiTrack: Decimeter-Level Indoor Tracking With Graph-Based Particle Filtering. IEEE Internet of Things Journal, 2020, 7, 2397-2411.	5.5	32
159	Power allocation for OFDM using adaptive beamforming over wireless networks. IEEE Transactions on Communications, 2005, 53, 505-514.	4.9	31
160	Improving Connectivity via Relays Deployment in Wireless Sensor Networks. , 2007, , .		31
161	Secure Cooperation in Autonomous Mobile Ad-Hoc Networks Under Noise and Imperfect Monitoring: A Game-Theoretic Approach. IEEE Transactions on Information Forensics and Security, 2008, 3, 317-330.	4.5	31
162	On Outage Probability for Two-Way Relay Networks With Stochastic Energy Harvesting. IEEE Transactions on Communications, 2016, 64, 1901-1915.	4.9	31

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163	RF-based inertial measurement. , 2019, , .		31
164	A data embedded video coding scheme for error-prone channels. IEEE Transactions on Multimedia, 2001, 3, 415-423.	5.2	30
165	An efficient cooperation protocol to extend coverage area in cellular networks. , 2006, , .		30
166	Non-Intrusive Forensic Analysis of Visual Sensors Using Output Images. , 2006, , .		30
167	Differential Modulation With Threshold-Based Decision Combining for Cooperative Communications. IEEE Transactions on Signal Processing, 2007, 55, 3905-3923.	3.2	30
168	Wireless Access Network Selection Game with Negative Network Externality. IEEE Transactions on Wireless Communications, 2013, 12, 5048-5060.	6.1	30
169	Indoor Global Positioning System with Centimeter Accuracy Using Wi-Fi [Applications Corner]. IEEE Signal Processing Magazine, 2016, 33, 128-134.	4.6	30
170	TRIEDS: Wireless Events Detection Through the Wall. IEEE Internet of Things Journal, 2017, 4, 723-735.	5.5	30
171	WiBall: A Time-Reversal Focusing Ball Method for Decimeter-Accuracy Indoor Tracking. IEEE Internet of Things Journal, 2018, 5, 4031-4041.	5.5	30
172	Image Tampering Identification using Blind Deconvolution. , 2006, , .		29
173	Inferential modeling and predictive feedback control in real-time motion compensation using the treatment couch during radiotherapy. Physics in Medicine and Biology, 2007, 52, 5831-5854.	1.6	29
174	Near-Optimal Waveform Design for Sum Rate Optimization in Time-Reversal Multiuser Downlink Systems. IEEE Transactions on Wireless Communications, 2013, 12, 346-357.	6.1	29
175	Enabling Heterogeneous Connectivity in Internet of Things: A Time-Reversal Approach. IEEE Internet of Things Journal, 2016, 3, 1036-1047.	5.5	29
176	Data-Driven Auction Mechanism Design in IaaS Cloud Computing. IEEE Transactions on Services Computing, 2018, 11, 743-756.	3.2	29
177	Collusion-resistant fingerprinting for multimedia. , 2002, , .		28
178	Resource-aware conference key establishment for heterogeneous networks. IEEE/ACM Transactions on Networking, 2005, 13, 134-146.	2.6	28
179	Joint Uplink and Downlink Optimization for Real-Time Multiuser Video Streaming Over WLANs. IEEE Journal on Selected Topics in Signal Processing, 2007, 1, 280-294.	7.3	28
180	Evolutionary Game Framework for Behavior Dynamics in Cooperative Spectrum Sensing. , 2008, , .		28

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181	Wireless network cocast: location-aware cooperative communications with linear network coding. IEEE Transactions on Wireless Communications, 2009, 8, 3844-3854.	6.1	28
182	Behavior modeling and forensics for multimedia social networks. IEEE Signal Processing Magazine, 2009, 26, 118-139.	4.6	28
183	Mitigating channel estimation error with timing synchronization tradeoff in cooperative communications. IEEE Transactions on Signal Processing, 2010, 58, 337-348.	3.2	28
184	Mitigating Error Propagation for Wireless Network Coding. IEEE Transactions on Wireless Communications, 2012, 11, 3632-3643.	6.1	28
185	Data-Driven Optimal Throughput Analysis for Route Selection in Cognitive Vehicular Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 2149-2162.	9.7	28
186	mSense. , 2020, 4, 1-20.		28
187	Transmit diversity techniques for multicasting over wireless networks. , 2004, , .		27
188	A class of cooperative communication protocols for multi-node wireless networks. , 0, , .		27
189	Outage analysis of multi-node amplify-and-forward relay networks. , 2006, , .		27
190	Component forensics. IEEE Signal Processing Magazine, 2009, 26, 38-48.	4.6	27
191	A Belief Evaluation Framework in Autonomous MANETs under Noisy and Imperfect Observation: Vulnerability Analysis and Cooperation Enforcement. IEEE Transactions on Mobile Computing, 2010, 9, 1242-1254.	3.9	27
192	Length- and cost-dependent local minima of unconstrained blind channel equalizers. IEEE Transactions on Signal Processing, 1996, 44, 2726-2735.	3.2	26
193	On the performance evaluation of TH and DS UWB MIMO systems. , 2004, , .		26
194	Diversity analysis for frequency-selective MIMO-OFDM systems with general spatial and temporal correlation model. IEEE Transactions on Communications, 2006, 54, 878-888.	4.9	26
195	When Does Cooperation Have Better Performance in Sensor Networks?. , 2006, , .		26
196	Optimizing Rekeying Cost for Contributory Group Key Agreement Schemes. IEEE Transactions on Dependable and Secure Computing, 2007, 4, 228-242.	3.7	26
197	Distributed State Estimation With Dimension Reduction Preprocessing. IEEE Transactions on Signal Processing, 2014, 62, 3098-3110.	3.2	26
198	Waveforming: An Overview With Beamforming. IEEE Communications Surveys and Tutorials, 2018, 20, 132-149.	24.8	26

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199	Static and dynamic convergence behavior of adaptive blind equalizers. IEEE Transactions on Signal Processing, 1996, 44, 2736-2745.	3.2	25
200	Channel estimation for multicarrier modulation systems using a time-frequency polynomial model. IEEE Transactions on Communications, 2002, 50, 1045-1048.	4.9	25
201	Traitor-Within-Traitor Behavior Forensics: Strategy and Risk Minimization. IEEE Transactions on Information Forensics and Security, 2006, 1, 440-456.	4.5	25
202	Connectivity-aware network maintenance and repair via relays deployment. IEEE Transactions on Wireless Communications, 2009, 8, 356-366.	6.1	25
203	A cheat-proof game theoretic demand response scheme for smart grids. , 2012, , .		25
204	Maximizing Network Capacity with Optimal Source Selection: A Network Science Perspective. IEEE Signal Processing Letters, 2015, 22, 938-942.	2.1	25
205	Evolutionary Information Diffusion over Heterogeneous Social Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2016, , 1-1.	1.6	25
206	User Participation in Collaborative Filtering-Based Recommendation Systems: A Game Theoretic Approach. IEEE Transactions on Cybernetics, 2019, 49, 1339-1352.	6.2	25
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