

Hsiao-Hwa Chen

List of Publications by Year in descending order

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269
papers

8,372
citations

66343

42
h-index

62596

80
g-index

271
all docs

271
docs citations

271
times ranked

7144
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical Layer Security for Next Generation Wireless Networks: Theories, Technologies, and Challenges. IEEE Communications Surveys and Tutorials, 2017, 19, 347-376.	39.4	489
2	Smart Grid Communication: Its Challenges and Opportunities. IEEE Transactions on Smart Grid, 2013, 4, 36-46.	9.0	417
3	A Survey on Multiple-Antenna Techniques for Physical Layer Security. IEEE Communications Surveys and Tutorials, 2017, 19, 1027-1053.	39.4	343
4	Transactions papers a routing-driven Elliptic Curve Cryptography based key management scheme for Heterogeneous Sensor Networks. IEEE Transactions on Wireless Communications, 2009, 8, 1223-1229.	9.2	321
5	M2M Communications in 3GPP LTE/LTE-A Networks: Architectures, Service Requirements, Challenges, and Applications. IEEE Communications Surveys and Tutorials, 2015, 17, 525-549.	39.4	293
6	Interference-Limited Resource Optimization in Cognitive Femtocells With Fairness and Imperfect Spectrum Sensing. IEEE Transactions on Vehicular Technology, 2016, 65, 1761-1771.	6.3	249
7	A multicarrier CDMA architecture based on orthogonal complementary codes for new generations of wideband wireless communications. , 2001, 39, 126-135.		225
8	Intracluster Device-to-Device Relay Algorithm With Optimal Resource Utilization. IEEE Transactions on Vehicular Technology, 2013, 62, 2315-2326.	6.3	220
9	Call Admission Control Optimization in WiMAX Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 2509-2522.	6.3	216
10	Self-configuration and self-optimization in LTE-advanced heterogeneous networks. , 2013, 51, 36-45.		170
11	Convergence of ethernet PON and IEEE 802.16 broadband access networks and its QoS-aware dynamic bandwidth allocation scheme. IEEE Journal on Selected Areas in Communications, 2009, 27, 101-116.	14.0	148
12	An Energy-Aware Trust Derivation Scheme With Game Theoretic Approach in Wireless Sensor Networks for IoT Applications. IEEE Internet of Things Journal, 2014, 1, 58-69.	8.7	145
13	Message Authentication Using Proxy Vehicles in Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 3697-3710.	6.3	139
14	Intrusion Detection in Cyber-Physical Systems: Techniques and Challenges. IEEE Systems Journal, 2014, 8, 1052-1062.	4.6	122
15	Cooperative Communications for Cognitive Radio Networks " From Theory to Applications. IEEE Communications Surveys and Tutorials, 2014, 16, 1180-1192.	39.4	120
16	Millimeter-wave communications for 5G: fundamentals: Part I [Guest Editorial]. , 2014, 52, 52-54.		120
17	Radio Resource Management in Machine-to-Machine Communications" A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 791-828.	39.4	114
18	A Multihop Peer-Communication Protocol With Fairness Guarantee for IEEE 802.16-Based Vehicular Networks. IEEE Transactions on Vehicular Technology, 2007, 56, 3358-3370.	6.3	109

#	ARTICLE	IF	CITATIONS
19	Channel modeling for visible light communications—a survey. <i>Wireless Communications and Mobile Computing</i> , 2016, 16, 2016-2034.	1.2	106
20	Machine-to-Machine Communications in Ultra-Dense Networks—A Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2017, 19, 1478-1503.	39.4	106
21	Scalable Hypergrid k-NN-Based Online Anomaly Detection in Wireless Sensor Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2013, 24, 1661-1670.	5.6	104
22	Error probability of digital communications using relay diversity over Nakagami-m fading channels. <i>IEEE Transactions on Wireless Communications</i> , 2008, 7, 1806-1811.	9.2	96
23	Blind Cooperative Communications for Multihop Ad Hoc Wireless Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2013, 62, 3110-3122.	6.3	84
24	Two Tier Secure Routing Protocol for Heterogeneous Sensor Networks. <i>IEEE Transactions on Wireless Communications</i> , 2007, 6, 3395-3401.	9.2	81
25	Secure and Efficient Time Synchronization in Heterogeneous Sensor Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2008, 57, 2387-2394.	6.3	74
26	Feedback-Based Clock Synchronization in Wireless Sensor Networks: A Control Theoretic Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2010, 59, 2963-2973.	6.3	74
27	On Relay Selection Schemes for Relay-Assisted D2D Communications in LTE-A Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 8303-8314.	6.3	74
28	Adaptive congestion control for DSRC vehicle networks. <i>IEEE Communications Letters</i> , 2010, 14, 127-129.	4.1	72
29	An accurate and scalable analytical model for IEEE 802.15.4 slotted CSMA/CA networks. <i>IEEE Transactions on Wireless Communications</i> , 2009, 8, 440-448.	9.2	70
30	Energy-Efficient Coverage Based on Probabilistic Sensing Model in Wireless Sensor Networks. <i>IEEE Communications Letters</i> , 2010, 14, 833-835.	4.1	68
31	A General Relaying Transmission Protocol for MIMO Secrecy Communications. <i>IEEE Transactions on Communications</i> , 2012, 60, 3461-3471.	7.8	66
32	Stream-based cipher feedback mode in wireless error channel. <i>IEEE Transactions on Wireless Communications</i> , 2009, 8, 622-626.	9.2	64
33	Intelligent Cooperative Spectrum Sensing via Hierarchical Dirichlet Process in Cognitive Radio Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2015, 33, 771-787.	14.0	64
34	Modeling Contention Based Bandwidth Request Scheme for IEEE 802.16 Networks. <i>IEEE Communications Letters</i> , 2007, 11, 689-700.	4.1	63
35	Uplink Scheduling and Power Allocation for M2M Communications in SC-FDMA-Based LTE-A Networks With QoS Guarantees. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 6160-6170.	6.3	58
36	Cooperative Network Coding With MIMO Transmission in Wireless Decode-and-Forward Relay Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2010, 59, 3577-3588.	6.3	57

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37	Fractional-Delay-Resilient Receiver Design for Interference-Free MC-CDMA Communications Based on Complete Complementary Codes. IEEE Transactions on Wireless Communications, 2015, 14, 1226-1236.	9.2	55
38	Secondary spectrum access networks. IEEE Vehicular Technology Magazine, 2009, 4, 36-43.	3.4	54
39	Correlation and Set Size Bounds of Complementary Sequences with Low Correlation Zone. IEEE Transactions on Communications, 2011, 59, 3285-3289.	7.8	54
40	Energy Harvesting Enabled NOMA Systems With Full-Duplex Relaying. IEEE Transactions on Vehicular Technology, 2019, 68, 7179-7183.	6.3	54
41	Cognitive radio network management. IEEE Vehicular Technology Magazine, 2008, 3, 28-35.	3.4	52
42	A Rear-End Collision Risk Evaluation and Control Scheme Using a Bayesian Network Model. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 264-284.	8.0	52
43	Millimeter-wave communications for 5G " Part 2: applications [Guest Editorial]. , 2015, 53, 166-167.		50
44	Self-Organization of Sensor Networks Using Genetic Algorithms. , 2006, , .		49
45	A Survey on Complementary-Coded MIMO CDMA Wireless Communications. IEEE Communications Surveys and Tutorials, 2015, 17, 52-69.	39.4	44
46	Secure cell relay routing protocol for sensor networks. Wireless Communications and Mobile Computing, 2006, 6, 375-391.	1.2	43
47	On the achievable rate region of gaussian cognitive multiple access channel. IEEE Communications Letters, 2007, 11, 384-386.	4.1	43
48	On Next Generation CDMA Technologies: The REAL Approach for Perfect Orthogonal Code Generation. IEEE Transactions on Vehicular Technology, 2008, 57, 2822-2833.	6.3	43
49	Standardization and Security for Smart Grid Communications Based on Cognitive Radio Technologies" A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 423-445.	39.4	43
50	Secure Stochastic ECG Signals Based on Gaussian Mixture Model for e-Healthcare Systems. IEEE Systems Journal, 2011, 5, 564-573.	4.6	42
51	Self-Interference-Cancellation-Based SLNR Precoding Design for Full-Duplex Relay-Assisted System. IEEE Transactions on Vehicular Technology, 2018, 67, 8249-8262.	6.3	41
52	Covert Communications in D2D Underlying Cellular Networks With Antenna Array Assisted Artificial Noise Transmission. IEEE Transactions on Vehicular Technology, 2020, 69, 2980-2992.	6.3	40
53	Cross-layer multirate interaction with Distributed Source Coding in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2009, 8, 787-795.	9.2	38
54	Secrecy Capacity Analysis of Artificial Noisy MIMO Channels" An Approach Based on Ordered Eigenvalues of Wishart Matrices. IEEE Transactions on Information Forensics and Security, 2017, 12, 617-630.	6.9	37

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55	Covert Communications in D2D Underlying Cellular Networks With Power Domain NOMA. IEEE Systems Journal, 2020, 14, 3717-3728.	4.6	36
56	Performance Analysis of Downlink Coordinated Multipoint Joint Transmission in Ultra-Dense Networks. IEEE Network, 2017, 31, 106-114.	6.9	35
57	Wireless Energy Transfer Enabled D2D in Underlying Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 1845-1849.	6.3	35
58	Generalized pairwise complementary codes with set-wise uniform interference-free windows. IEEE Journal on Selected Areas in Communications, 2006, 24, 65-74.	14.0	34
59	A novel k-hop Compound Metric Based Clustering scheme for ad hoc wireless networks. IEEE Transactions on Wireless Communications, 2009, 8, 367-375.	9.2	33
60	Design of an MC-CDMA System That Uses Complete Complementary Orthogonal Spreading Codes. IEEE Transactions on Vehicular Technology, 2007, 56, 2976-2989.	6.3	32
61	Physical Layer Security in Multi-Cell MISO Downlinks With Incomplete CSI: A Unified Secrecy Performance Analysis. IEEE Transactions on Signal Processing, 2014, 62, 6286-6297.	5.3	32
62	On-demand public-key management for mobile ad hoc networks. Wireless Communications and Mobile Computing, 2006, 6, 295-306.	1.2	31
63	SHORT: Shortest Hop Routing Tree for Wireless Sensor Networks. , 2006, , .		30
64	Integrated Dynamic Bandwidth Allocation in Converged Passive Optical Networks and IEEE 802.16 Networks. IEEE Systems Journal, 2010, 4, 467-476.	4.6	30
65	Spectrum sensing scheduling for group spectrum sharing in cognitive radio networks. International Journal of Communication Systems, 2011, 24, 62-74.	2.5	30
66	An Accurate Markov Model for Slotted CSMA/CA Algorithm in IEEE 802.15.4 Networks. IEEE Communications Letters, 2008, 12, 420-422.	4.1	29
67	An auto-scaling mechanism for virtual resources to support mobile, pervasive, real-time healthcare applications in cloud computing. IEEE Network, 2013, 27, 62-68.	6.9	29
68	Energy-Efficiency Versus Delay Tradeoff in Wireless Networks Virtualization. IEEE Transactions on Vehicular Technology, 2018, 67, 837-841.	6.3	29
69	Multi-User Interference Cancellation in Complementary Coded CDMA with Diversity Gain. IEEE Wireless Communications Letters, 2013, 2, 303-306.	5.0	28
70	Physical Layer Security Assisted Computation Offloading in Intelligently Connected Vehicle Networks. IEEE Transactions on Wireless Communications, 2021, 20, 3555-3570.	9.2	28
71	Clustering algorithm in initialization of multi-hop wireless sensor networks. IEEE Transactions on Wireless Communications, 2009, 8, 5713-5717.	9.2	27
72	QoS-Aware Service Selection Algorithms for Pervasive Service Composition in Mobile Wireless Environments. Mobile Networks and Applications, 2010, 15, 488-501.	3.3	27

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73	Low-Complexity Coordinated Beamforming for Downlink Multicell SDMA/OFDM Systems. IEEE Transactions on Vehicular Technology, 2013, 62, 247-255.	6.3	27
74	Low-Complexity Energy Detection for Spectrum Sensing With Random Arrivals of Primary Users. IEEE Transactions on Vehicular Technology, 2016, 65, 947-952.	6.3	27
75	Channel Modeling and Inter-Carrier Interference Analysis for V2V Communication Systems in Frequency-Dispersive Channels. Mobile Networks and Applications, 2010, 15, 4-12.	3.3	26
76	Capacity Maximization Based on Optimal Mode Selection in Multi-Mode and Multi-Pair D2D Communications. IEEE Transactions on Vehicular Technology, 2019, 68, 6524-6534.	6.3	26
77	An Objective Trust Management Framework for Mobile Ad Hoc Networks. IEEE Vehicular Technology Conference, 2007, , .	0.4	25
78	Quality-aware bandwidth allocation for scalable on-demand streaming in wireless networks. IEEE Journal on Selected Areas in Communications, 2010, 28, 366-376.	14.0	23
79	Symbol Cyclic Shift Equalization Algorithm â€” A CP-free OFDM/OFDMA System Design. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	6.3	23
80	Physical-Layer Network Coding Systems With MFSK Modulation. IEEE Transactions on Vehicular Technology, 2016, 65, 204-213.	6.3	22
81	Secrecy Rate Maximization via Radio Resource Allocation in Cellular Underlying V2V Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 7281-7294.	6.3	22
82	An Optimistic Power Control MAC Protocol for Mobile Ad Hoc Networks. , 2006, , .		21
83	Image transmissions with security enhancement based on region and path diversity in wireless sensor networks. IEEE Transactions on Wireless Communications, 2009, 8, 757-765.	9.2	21
84	Resource allocation for wireless cooperative networks: a unified cooperative bargaining game theoretic framework. IEEE Wireless Communications, 2012, 19, 38-43.	9.0	21
85	Microblog Dimensionality Reductionâ€”A Deep Learning Approach. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1779-1789.	5.7	21
86	SCMA Codebook Design Based on Uniquely Decomposable Constellation Groups. IEEE Transactions on Wireless Communications, 2021, 20, 4828-4842.	9.2	21
87	Profit maximization in wireless powered communications with improved non-linear energy conversion and storage efficiencies. , 2017, , .		20
88	Wireless Resource Scheduling Based on Backoff for Multiuser Multiservice Mobile Cloud Computing. IEEE Transactions on Vehicular Technology, 2016, 65, 9247-9259.	6.3	19
89	Physical Layer Security in Intelligently Connected Vehicle Networks. IEEE Network, 2020, 34, 232-239.	6.9	19
90	Increasing the Throughput of Wireless LANs Via Cooperative Retransmission. , 2007, , .		18

#	ARTICLE	IF	CITATIONS
91	On Efficient Network Planning and Routing in Large-Scale MANETs. IEEE Transactions on Vehicular Technology, 2009, 58, 3796-3801.	6.3	18
92	Arithmetic-BICM for Seamless Rate Adaptation for Wireless Communication Systems. IEEE Systems Journal, 2016, 10, 228-239.	4.6	18
93	Symbol Cyclic Shift Equalization PAM-OFDM—A Low Complexity CP-Free OFDM Scheme. IEEE Transactions on Vehicular Technology, 2017, 66, 5933-5946.	6.3	18
94	Security services and enhancements in the IEEE 802.15.4 wireless sensor networks. , 2005, , .		17
95	QoS Differentiation for IEEE 802.16 WiMAX Mesh Networking. Mobile Networks and Applications, 2008, 13, 19-37.	3.3	17
96	Utilizing acoustic propagation delay to design MAC protocols for underwater wireless sensor networks. Wireless Communications and Mobile Computing, 2008, 8, 1035-1044.	1.2	17
97	Design of ultra-wideband pulses based on spectrum shifted Gaussian waveforms. IET Communications, 2013, 7, 512-520.	2.2	17
98	Multiuser-Interference-Free Space-Time Spreading MIMO Systems Based on Three-Dimensional Complementary Codes. IEEE Systems Journal, 2015, 9, 45-57.	4.6	17
99	Downlink Coordinated Multi-Point Transmission in Ultra-Dense Networks with Mobile Edge Computing. IEEE Network, 2019, 33, 152-159.	6.9	17
100	NIS05-1: Performance Analysis of Advanced Encryption Standard (AES). IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	16
101	Pulse Waveform Dependent BER Analysis of a DS-CDMA UWB Radio Under Multiple Access and Multipath Interferences. IEEE Transactions on Wireless Communications, 2007, 6, 2338-2347.	9.2	16
102	Iterative Synchronization-Assisted Detection of OFDM Signals in Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2014, 63, 1633-1644.	6.3	16
103	Quasi-Quadrature Modulation Method for Power-Efficient Video Transmission Over LTE Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 2083-2092.	6.3	16
104	Design and Optimization of Scheduling and Non-Orthogonal Multiple Access Algorithms With Imperfect Channel State Information. IEEE Transactions on Vehicular Technology, 2018, 67, 10800-10814.	6.3	16
105	A Load-Balanced Re-Embedding Scheme for Wireless Network Virtualization. IEEE Transactions on Vehicular Technology, 2021, 70, 3761-3772.	6.3	16
106	Reinforcement Learning-Based Energy-Efficient Data Access for Airborne Users in Civil Aircrafts-Enabled SAGIN. IEEE Transactions on Green Communications and Networking, 2021, 5, 934-949.	5.5	16
107	Study on Network Selection for Next-Generation Heterogeneous Wireless Networks. , 2006, , .		15
108	An algebraic approach to generate super-set of perfect complementary codes for interference-free CDMA. Wireless Communications and Mobile Computing, 2007, 7, 605-622.	1.2	15

#	ARTICLE	IF	CITATIONS
109	Code-Hopping Multiple Access Based on Orthogonal Complementary Codes. IEEE Transactions on Vehicular Technology, 2012, 61, 1074-1083.	6.3	15
110	Statistical Model of OFDMA Cellular Networks Uplink Interference Using Lognormal Distribution. IEEE Wireless Communications Letters, 2013, 2, 575-578.	5.0	15
111	A Complete Complementary Coded MIMO System and Its Performance in Multipath Channels. IEEE Wireless Communications Letters, 2014, 3, 181-184.	5.0	15
112	Call admission control scheme for multiclass services under rain fading for satellite networks. IEEE Transactions on Wireless Communications, 2009, 8, 2473-2483.	9.2	14
113	Wireless Backhaul Capacity of 5G Ultra-Dense Cellular Networks. , 2016, , .		14
114	Artificial Noisy MIMO Systems Under Correlated Scattering Rayleigh Fading—A Physical Layer Security Approach. IEEE Systems Journal, 2020, 14, 2121-2132.	4.6	14
115	An Intelligent Genetic Algorithm for PAPR Reduction in a Multi-Carrier CDMA Wireless System. , 2008, , .		13
116	DESCV—A Secure Wireless Communication Scheme for Vehicle ad hoc Networking. Mobile Networks and Applications, 2009, 14, 611-624.	3.3	13
117	Performance of Dual-Polarized MIMO for TD-HSPA Evolution Systems. IEEE Systems Journal, 2011, 5, 406-416.	4.6	13
118	A reliable overlay video transport protocol for multicast agents in wireless mesh networks. International Journal of Communication Systems, 2012, 25, 553-570.	2.5	13
119	Modeling Latency and Reliability of Hybrid Technology Networking. IEEE Sensors Journal, 2013, 13, 3616-3624.	4.7	13
120	A random channel access scheme for massive machine devices in LTE cellular networks. , 2015, , .		13
121	Successive Multipath Interference Cancellation for CP-Free OFDM Systems. IEEE Systems Journal, 2019, 13, 1125-1134.	4.6	13
122	Civil Aircrafts Augmented Space—Air—Ground-Integrated Vehicular Networks: Motivation, Breakthrough, and Challenges. IEEE Internet of Things Journal, 2022, 9, 5670-5683.	8.7	13
123	Trust, Security, and Privacy in Next-Generation Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 956736.	2.2	13
124	Distributed Decision Making Algorithm for Self-Healing Sensor Networks. , 2006, , .		12
125	A Novel ZCZ Code Based on m-Sequences and its Applications in CDMA Systems. IEEE Communications Letters, 2007, 11, 465-467.	4.1	12
126	Coexistence of Smart Utility Networks and WLANs in Smart Grid Systems. IEEE Transactions on Wireless Communications, 2016, 15, 8313-8324.	9.2	12

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127	Joint User Pairing and Power Allocation in Virtual MIMO Systems. IEEE Transactions on Wireless Communications, 2018, 17, 3697-3708.	9.2	12
128	A Generic Geometrical-Based MIMO Mobile-to-Mobile Channel Model. , 2008, , .		11
129	Distributed Resource Allocation for Delay-Sensitive Services in Satellite Networks Using Game Theory. IEEE Transactions on Games, 2009, 1, 134-144.	1.4	11
130	Heterogeneous cooperative relay selection with maximalâ€ratio combining for multiâ€radio access networks. International Journal of Communication Systems, 2010, 23, 732-750.	2.5	11
131	Cyber security for smart grid communications: Part I. , 2012, 50, 16-17.		11
132	Sliced Spectrum Sensingâ€A Channel Condition Aware Sensing Technique for Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 10815-10829.	6.3	11
133	Robust Task Scheduling for Delay-Aware IoT Applications in Civil Aircraft-Augmented SAGIN. IEEE Transactions on Communications, 2022, 70, 5368-5385.	7.8	11
134	WSN12-6: Cluster-Based DSRC Architecture for QoS Provisioning over Vehicle Ad Hoc Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	10
135	Multiuser Pairing-up Schemes under Power Constraints for Uplink Virtual MIMO Networks. Mobile Networks and Applications, 2010, 15, 298-309.	3.3	10
136	Joint Pre-Equalization and Adaptive Combining for CC-CDMA Systems Over Asynchronous Frequency-Selective Fading Channels. IEEE Transactions on Vehicular Technology, 2016, 65, 5175-5184.	6.3	10
137	An Event-Based Unified System Model to Characterize and Evaluate Timing Covert Channels. IEEE Systems Journal, 2016, 10, 271-280.	4.6	10
138	Non-Uniform Deployment of Power Beacons in Wireless Powered Communication Networks. IEEE Transactions on Wireless Communications, 2019, 18, 1887-1899.	9.2	10
139	Location Based Joint Spectrum Sensing and Radio Resource Allocation in Cognitive Radio Enabled LTE-U Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 2967-2979.	6.3	10
140	Network Densification and Path-Loss Models Versus UDN Performanceâ€A Unified Approach. IEEE Transactions on Wireless Communications, 2021, 20, 4058-4071.	9.2	10
141	Intelligent RFID tag detection using support vector machine. IEEE Transactions on Wireless Communications, 2009, 8, 5050-5059.	9.2	9
142	On Array-Processing-Based Quasi-Orthogonal Spaceâ€Time Block-Coded OFDM Systems. IEEE Transactions on Vehicular Technology, 2010, 59, 508-513.	6.3	9
143	EM-Based Adaptive Frequency Domain Estimation of Doppler Shifts with CRLB Analysis for CDMA Systems. IEEE Transactions on Communications, 2012, 60, 198-208.	7.8	9
144	A Segmented Packet Collision Model for Smart Utility Networks Under WLAN Interferences. IEEE Transactions on Wireless Communications, 2016, 15, 3506-3517.	9.2	9

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145	Time Domain Precoding for OFDM/OFDMA Systems Without Cyclic Prefix. IEEE Transactions on Vehicular Technology, 2018, 67, 5510-5514.	6.3	9
146	User-Centric Quality-of-Experience Optimization and Scheduling of Multicolor LEDs in VLC Systems. IEEE Systems Journal, 2019, 13, 2275-2284.	4.6	9
147	Signal Representation: Wireless Applications in a Statistical Spectrum Domain. IEEE Vehicular Technology Magazine, 2012, 7, 88-94.	3.4	8
148	Interference-Aware Resource Control in Multi-Antenna Cognitive Ad Hoc Networks with Heterogeneous Delay Constraints. IEEE Communications Letters, 2013, 17, 1184-1187.	4.1	8
149	Uplink pre-equalization for CC-CDMA systems under frequency selective fading. , 2013, , .		8
150	Artificial Noise Assisted Secure Mobile Crowd Computing in Intelligently Connected Vehicular Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 7637-7651.	6.3	8
151	Generation of perfect orthogonal complementary codes for their applications in interference-free CDMA systems. , 0, , .		7
152	A low complexity decoding scheme for quasi-orthogonal space-time block coding. , 2008, , .		7
153	Welch bound analysis on generic code division multiple access codes with interference free windows. IEEE Transactions on Wireless Communications, 2009, 8, 1603-1607.	9.2	7
154	Performance Bounds of Multi-Relay Decode-and-Forward Cooperative Networks over Nakagami-m Fading Channels. , 2011, , .		7
155	Performance Analysis of Threshold Relaying with Random Channel Access over Non-Identically Distributed Rayleigh-Fading Channels. IEEE Journal on Selected Areas in Communications, 2012, 30, 1703-1710.	14.0	7
156	Recent issues in wireless sensor networks. International Journal of Communication Systems, 2013, 26, 1089-1091.	2.5	7
157	Channel discovery algorithms for interference avoidance in smart grid communication networks: a survey. Wireless Communications and Mobile Computing, 2016, 16, 427-440.	1.2	7
158	Complementary Coded Scrambling Multiple Access and Its Performance in Downlink MIMO Channels. IEEE Transactions on Wireless Communications, 2018, 17, 835-847.	9.2	7
159	A Unified Multiuser Coding Framework for Multiple-Access Technologies. IEEE Systems Journal, 2019, 13, 3781-3792.	4.6	7
160	Performance Analysis of Joint Transmission Schemes in Ultra-Dense Networks – A Unified Approach. IEEE/ACM Transactions on Networking, 2020, 28, 154-167.	3.8	7
161	Identical Code Cyclic Shift Multiple Access – A Bridge Between CDMA and NOMA. IEEE Transactions on Vehicular Technology, 2020, 69, 2878-2890.	6.3	7
162	Hierarchy Schedule-Sensing Protocol for CDMA Wireless Data-Centric Networks With Multiple Packet Collision and Capture Effect. IEEE/ACM Transactions on Networking, 2004, 12, 1036-1048.	3.8	6

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163	Quality-of-Service in Cognitive Radio Networks with Collaborative Sensing. , 2009, , .		6
164	Power-Fixed and Power-Aware MAC Protocols for Multihop Wireless Networks With a Large Interference Area. IEEE Transactions on Vehicular Technology, 2009, 58, 2966-2976.	6.3	6
165	SenseKey – Simplifying the Selection of Key Management Schemes for Sensor Networks. , 2011, , .		6
166	Uncoordinated coexisting IEEE 802.15.4 networks for machine to machine communications. Peer-to-Peer Networking and Applications, 2014, 7, 274-284.	3.9	6
167	Adaptive joint beamforming and B-MMSE detection for CDMA signal reception under multipath interference. International Journal of Communication Systems, 2004, 17, 705-721.	2.5	5
168	NISO2-2: A Secure Routing Protocol for Heterogeneous Sensor Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	5
169	Performance comparison of OFDM bandwidth request schemes in fixed IEEE 802.16 networks. IEEE Communications Letters, 2008, 12, 283-285.	4.1	5
170	Performance Study of a Mobile Multi-hop 802.11a/b Railway Network Using Passive Measurement. Mobile Networks and Applications, 2009, 14, 782-797.	3.3	5
171	Cross-layer Scheduling Algorithms for IEEE 802.16 Based Wireless Mesh Networks. Wireless Personal Communications, 2009, 51, 615-634.	2.7	5
172	Slow Start Backoff Algorithm for Ad-Hoc Wireless Networks. , 2010, , .		5
173	Improving Channel Utilization by Exploiting Partially Overlapping Channels in Wireless Ad Hoc Networks. , 2010, , .		5
174	QoS-aware Two-level Dynamic Uplink Bandwidth Allocation Algorithms in IEEE 802.16j Based Vehicular Networks. Wireless Personal Communications, 2011, 56, 417-433.	2.7	5
175	Coexistence of smart utility networks and WLAN/ZigBee in smart grid. , 2012, , .		5
176	Performance analysis of ONOE protocol – an IEEE 802.11 link adaptation algorithm. International Journal of Communication Systems, 2012, 25, 821-831.	2.5	5
177	Cyber security for smart grid communications: Part II [Guest Editorial]. , 2013, 51, 16-17.		5
178	A Framework to Construct 3-Dimensional Complementary Codes for Multi-User MIMO Systems. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	5
179	Mixed AF and DF cooperative relay systems and their performance bounds analyses. Wireless Communications and Mobile Computing, 2014, 14, 1204-1218.	1.2	5
180	Double Side Signal Splitting SWIPT for Downlink CoMP Transmissions With Capacity Limited Backhaul. IEEE Communications Letters, 2016, 20, 2438-2441.	4.1	5

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181	How Much Can Radio Resource Allocation Help to Improve Secrecy Capacity of V2V Underlay Cellular Networks?. IEEE Transactions on Vehicular Technology, 2020, 69, 14932-14944.	6.3	5
182	Generalized Complementary Coded Scrambling Multiple Access for MIMO Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 13047-13061.	6.3	5
183	Orthogonal decision-feedback detector for asynchronous multiuser CDMA systems. IEEE Transactions on Communications, 2001, 49, 1649-1658.	7.8	4
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