

Lin Chen

List of Publications by Year in descending order

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153
papers

2,940
citations

218677

26
h-index

214800

47
g-index

153
all docs

153
docs citations

153
times ranked

3135
citing authors

#	ARTICLE	IF	CITATIONS
1	Differentially Private Combinatorial Cloud Auction. IEEE Transactions on Cloud Computing, 2023, 11, 412-425.	4.4	3
2	The Component Diagnosability of Hypercubes with Large-Scale Faulty Nodes. Computer Journal, 2022, 65, 1129-1143.	2.4	16
3	Toward Multiple-Phase MDP Model for Charging Station Recommendation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10583-10595.	8.0	3
4	Computation-Communication Tradeoffs for Missing Multitagged Item Detection in RFID Networks. IEEE Internet of Things Journal, 2022, 9, 1252-1264.	8.7	1
5	Multiset Membership Lookup in Large Datasets. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 4947-4958.	5.7	1
6	Downlink Transmission Scheduling With Data Sharing. IEEE/ACM Transactions on Networking, 2022, 30, 1193-1202.	3.8	2
7	Multi-channel opportunistic spectrum access: A mixed-scale decision perspective. Computer Communications, 2022, 184, 118-127.	5.1	0
8	From Spectrum Bonding to Contiguous-Resource Batching Task Scheduling. IEEE/ACM Transactions on Networking, 2022, 30, 1245-1254.	3.8	2
9	Optimal Myopic Policy for Restless Bandit: A Perspective of Eigendecomposition. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 420-433.	10.8	1
10	VQ-CSMA: Throughput-Optimal Low-Delay Random Access. IEEE Wireless Communications Letters, 2022, 11, 1303-1307.	5.0	3
11	Assessing Variations in Water Use Efficiency and Linkages with Land-Use Changes Using Three Different Data Sources: A Case Study of the Yellow River, China. Remote Sensing, 2022, 14, 1065.	4.0	3
12	Deterministic Collision-resilient Channel Rendezvous: Theory and Algorithm. IEEE Transactions on Wireless Communications, 2022, , 1-1.	9.2	0
13	Charging Path Optimization in Mobile Networks. IEEE/ACM Transactions on Networking, 2022, 30, 2262-2273.	3.8	3
14	Revisiting RFID Missing Tag Identification. , 2022, , .		2
15	First Report of <i>Colletotrichum aenigma</i> Causing Walnut Anthracnose in China. Plant Disease, 2021, 105, 225.	1.4	15
16	Joint Multiuser DNN Partitioning and Computational Resource Allocation for Collaborative Edge Intelligence. IEEE Internet of Things Journal, 2021, 8, 9511-9522.	8.7	53
17	The early transcriptional responses in rose induced by <i>Bacillus velezensis</i> CLA178 and <i>Agrobacterium tumefaciens</i> C58. Journal of Phytopathology, 2021, 169, 73-82.	1.0	1
18	Differentially private user-based collaborative filtering recommendation based on k -means clustering. Expert Systems With Applications, 2021, 168, 114366.	7.6	22

#	ARTICLE	IF	CITATIONS
19	Stabilizing Frame Slotted Aloha-Based IoT Systems: A Geometric Ergodicity Perspective. IEEE Journal on Selected Areas in Communications, 2021, 39, 714-725.	14.0	21
20	Reduced Root Secretion of Valine in <i>Rosa</i> "Microbe Interaction Contributes to the Decreased Colonization of Pathogenic <i>Agrobacterium tumefaciens</i> . Plant Disease, 2021, 105, 599-606.	1.4	4
21	Contribution of macrolactin in <i>Bacillus velezensis</i> CLA178 to the antagonistic activities against <i>Agrobacterium tumefaciens</i> C58. Archives of Microbiology, 2021, 203, 1743-1752.	2.2	8
22	<i>Bacillus velezensis</i> tolerance to the induced oxidative stress in root colonization contributed by the two-component regulatory system sensor <i>ResE</i> . Plant, Cell and Environment, 2021, 44, 3094-3102.	5.7	12
23	Sequential Resource Access: Theory and Algorithm. , 2021, , .		2
24	Whittle Index Policy for Opportunistic Scheduling: Heterogeneous Two-State Channels. , 2021, , 37-77.		0
25	Myopic Policy for Opportunistic Scheduling: Homogeneous Multistate Channels. , 2021, , 79-107.		0
26	Myopic Policy for Opportunistic Scheduling: Homogeneous Two-State Channels. , 2021, , 9-36.		0
27	Maximum Target Coverage Problem in Mobile Wireless Sensor Networks. Sensors, 2021, 21, 184.	3.8	20
28	Missing Tag Identification in COTS RFID Systems: Bridging the Gap between Theory and Practice. IEEE Transactions on Mobile Computing, 2020, 19, 130-141.	5.8	36
29	<i>Dyadobacter luteus</i> sp. nov., isolated from rose rhizosphere soil. Archives of Microbiology, 2020, 202, 191-196.	2.2	4
30	Multi-Seed Group Labeling in RFID Systems. IEEE Transactions on Mobile Computing, 2020, 19, 2850-2862.	5.8	22
31	<i>Bacillus velezensis</i> CLA178-Induced Systemic Resistance of <i>Rosa multiflora</i> Against Crown Gall Disease. Frontiers in Microbiology, 2020, 11, 587667.	3.5	30
32	Etoram: A More Efficient ORAM for Secure Computation. IEEE Open Journal of the Computer Society, 2020, 1, 285-294.	7.8	1
33	Joint Beamforming and Phase-Shifting Optimization in MISO with RIS-Assisted Communication. , 2020, , .		1
34	A novel hydrogel for highly efficient adsorption of Cu(II): synthesis, characterization, and mechanisms. Environmental Science and Pollution Research, 2020, 27, 26621-26630.	5.3	5
35	Localized and Moderate Phosphorus Application Improves Plant Growth and Phosphorus Accumulation in <i>Rosa multiflora</i> Thunb. ex Murr. via Efficient Root System Development. Forests, 2020, 11, 570.	2.1	7
36	On Fast and Reliable Missing Event Detection Protocol for Multitagged RFID Systems. IEEE Internet of Things Journal, 2020, 7, 10324-10335.	8.7	2

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37	Joint Offloading and Charge Cost Minimization in Mobile Edge Computing. IEEE Open Journal of the Communications Society, 2020, 1, 205-216.	6.9	29
38	Joint time delay and energy optimization with intelligent overclocking in edge computing. Science China Information Sciences, 2020, 63, 1.	4.3	7
39	Opportunistic Scheduling Revisited Using Restless Bandits: Indexability and Index Policy. IEEE Transactions on Wireless Communications, 2019, 18, 4997-5010.	9.2	2
40	Study on Splash of Oil Droplets Colliding with Wall in Engine Crankcase. , 2019, , .		0
41	Finding Persistent Items using Invertible Bloom Lookup Table. , 2019, , .		1
42	On Efficient Tree-Based Tag Search in Large-Scale RFID Systems. IEEE/ACM Transactions on Networking, 2019, 27, 42-55.	3.8	41
43	Relay Selection for Multi-Channel Cooperative Multicast: Lexicographic Maxâ€“Min Optimization. IEEE Transactions on Communications, 2018, 66, 959-971.	7.8	5
44	Multi-layer based multi-path routing algorithm for maximizing spectrum availability. Wireless Networks, 2018, 24, 897-909.	3.0	9
45	Enabling Symbiotic Coexistence of Heterogeneous Cognitive Radio Networks. , 2018, , .		0
46	Opportunistic Multichannel Access with Imperfect Observation: A Fixed Point Analysis on Indexability and Index-based Policy. , 2018, , .		1
47	On Optimality of Second-Highest Policy for Opportunistic Multichannel Access. IEEE Transactions on Vehicular Technology, 2018, 67, 12013-12024.	6.3	5
48	Managing Security Risks Interdependencies Between ICT and Electric Infrastructures: A Game Theoretical Analysis. Static and Dynamic Game Theory: Foundations and Applications, 2018, , 223-250.	0.6	0
49	Enabling Privacy in a Distributed Game-Theoretical Scheduling System for Domestic Appliances. IEEE Transactions on Smart Grid, 2017, 8, 1220-1230.	9.0	33
50	Finding Needles in a Haystack: Missing Tag Detection in Large RFID Systems. IEEE Transactions on Communications, 2017, 65, 2036-2047.	7.8	44
51	On Oblivious Neighbor Discovery in Distributed Wireless Networks With Directional Antennas: Theoretical Foundation and Algorithm Design. IEEE/ACM Transactions on Networking, 2017, 25, 1982-1993.	3.8	34
52	Survey on coexistence of heterogeneous wireless networks in 2.4â€“GHz and TV white spaces. International Journal of Distributed Sensor Networks, 2017, 13, 155014771770396.	2.2	3
53	Beneficial Rhizobacterium <i>Bacillus amyloliquefaciens</i> SQR9 Induces Plant Salt Tolerance through Spermidine Production. Molecular Plant-Microbe Interactions, 2017, 30, 423-432.	2.6	61
54	On Optimality of Myopic Policy in Multi-Channel Opportunistic Access. IEEE Transactions on Communications, 2017, 65, 677-690.	7.8	8

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55	Identification of Root-Secreted Compounds Involved in the Communication Between Cucumber, the Beneficial <i>Bacillus amyloliquefaciens</i> , and the Soil-Borne Pathogen <i>Fusarium oxysporum</i> . <i>Molecular Plant-Microbe Interactions</i> , 2017, 30, 53-62.	2.6	90
56	Sustainable Green Networking and Computing in 5G Systems. <i>IEEE Wireless Communications</i> , 2017, 24, 12-13.	9.0	4
57	On-demand ecology-inspired spectrum allocation mechanism for heterogeneous cognitive radio networks. <i>Telecommunication Systems</i> , 2017, 66, 589-601.	2.5	1
58	Mirror-image-based disjoint multi-paths routing algorithm for maximizing communication efficiency. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2017, 2017, .	2.4	0
59	Time-efficient cooperative spectrum sensing via analog computation over multiple-access channel. <i>Computer Networks</i> , 2017, 112, 84-94.	5.1	12
60	Moderate Incentive Design for Delay-Constrained Device-to-Device Relaying. <i>Mobile Networks and Applications</i> , 2017, 22, 577-588.	3.3	1
61	Stability Analysis of Frame Slotted Aloha Protocol. <i>IEEE Transactions on Mobile Computing</i> , 2017, 16, 1462-1474.	5.8	17
62	On Missing Tag Detection in Multiple-Group Multiple-Region RFID Systems. <i>IEEE Transactions on Mobile Computing</i> , 2017, 16, 1371-1381.	5.8	34
63	Multichannel Broadcast in Duty-Cycling WBANs via Channel Hopping. <i>IEEE Internet of Things Journal</i> , 2017, 4, 2351-2361.	8.7	3
64	Characterization of Uncultured Genome Fragment from Soil Metagenomic Library Exposed Rare Mismatch of Internal Tetranucleotide Frequency. <i>Frontiers in Microbiology</i> , 2016, 7, 2081.	3.5	19
65	Characterization of extracellular polymeric substances of <i>Bacillus amyloliquefaciens</i> SQR9 induced by root exudates of cucumber. <i>Journal of Basic Microbiology</i> , 2016, 56, 1183-1193.	3.3	12
66	Induced maize salt tolerance by rhizosphere inoculation of <i>Bacillus amyloliquefaciens</i> SQR9. <i>Physiologia Plantarum</i> , 2016, 158, 34-44.	5.2	208
67	Towards secure spectrum auction. , 2016, , .		2
68	Oblivious neighbor discovery for wireless devices with directional antennas. , 2016, , .		25
69	On Privacy-Preserving Cloud Auction. , 2016, , .		10
70	On optimality of myopic policy in multi-channel opportunistic access. , 2016, , .		6
71	Auditing a Cloud Provider's Compliance With Data Backup Requirements: A Game Theoretical Analysis. <i>IEEE Transactions on Information Forensics and Security</i> , 2016, 11, 1685-1699.	6.9	22
72	Skolem Sequence Based Self-Adaptive Broadcast Protocol in Cognitive Radio Networks. , 2016, , .		3

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73	Charge me if you can. , 2016, , .		36
74	Distributed Spectrum Management in TV White Space Networks. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	6.3	6
75	A Methodology to Apply a Game Theoretic Model of Security Risks Interdependencies Between ICT and Electric Infrastructures. Lecture Notes in Computer Science, 2016, , 159-171.	1.3	1
76	Neighbor discovery in mobile sensing applications: A comprehensive survey. Ad Hoc Networks, 2016, 48, 38-52.	5.5	33
77	Optimality of Myopic Policy for Multistate Channel Access. IEEE Communications Letters, 2016, 20, 300-303.	4.1	14
78	Never Live Without Neighbors: From Single- to Multi-Channel Neighbor Discovery for Mobile Sensing Applications. IEEE/ACM Transactions on Networking, 2016, 24, 3148-3161.	3.8	14
79	Distance-Based Energy-Efficient Opportunistic Broadcast Forwarding in Mobile Delay-Tolerant Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 5512-5524.	6.3	10
80	On Time-Constrained Data Harvesting in Wireless Sensor Networks: Approximation Algorithm Design. IEEE/ACM Transactions on Networking, 2016, 24, 3123-3135.	3.8	6
81	Pricing Mobile Data Offloading: A Distributed Market Framework. IEEE Transactions on Wireless Communications, 2016, 15, 913-927.	9.2	46
82	Cognitive Networking for Next-G Wireless Communications. International Journal of Distributed Sensor Networks, 2016, 12, 9172605.	2.2	0
83	Energy Efficient Scheduling for Delay-Constrained Spectrum Aggregation. , 2016, , .		1
84	Ecology-Based Coexistence Mechanism in Heterogeneous Cognitive Radio Networks. , 2015, , .		7
85	ITSEC: An information-theoretically secure framework for truthful spectrum auctions. , 2015, , .		11
86	A distributed market framework for mobile data offloading. , 2015, , .		3
87	Reading between lines. , 2015, , .		26
88	Joint spectrum sensing and access for stable dynamic spectrum aggregation. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	3
89	Myopic policy for opportunistic access in cognitive radio networks by exploiting primary user feedbacks. IET Communications, 2015, 9, 1017-1025.	2.2	12
90	Time-constrained data harvesting in WSNs: Theoretical foundation and algorithm design. , 2015, , .		4

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91	Adaptive frequency hopping in industrial Wireless Sensor Networks: A decision-theoretic framework. , 2015, , .		3
92	Dynamic Mobile Charger Scheduling in Heterogeneous Wireless Sensor Networks. , 2015, , .		0
93	Stability analysis of Frame Slotted Aloha protocol. , 2015, , .		1
94	The Telephone Coordination Game Revisited: From Random to Deterministic Algorithms. IEEE Transactions on Computers, 2015, 64, 2968-2980.	3.4	3
95	Dynamic Mobile Charger Scheduling in Heterogeneous Wireless Sensor Networks. , 2015, , .		3
96	Optimizing average-maximum TTR trade-off for cognitive radio rendezvous. , 2015, , .		8
97	A Novel CoMAC-based cooperative spectrum sensing scheme in cognitive radio networks. , 2015, , .		5
98	Competitive location in cognitive radio networks. 4or, 2015, 13, 81-110.	1.6	18
99	A Game-Theoretical Model for Security Risk Management of Interdependent ICT and Electrical Infrastructures. , 2015, , .		4
100	Efficient and Truthful Bandwidth Allocation in Wireless Mesh Community Networks. IEEE/ACM Transactions on Networking, 2015, 23, 161-174.	3.8	23
101	Defeating Jamming With the Power of Silence: A Game-Theoretic Analysis. IEEE Transactions on Wireless Communications, 2015, 14, 2337-2352.	9.2	45
102	An Efficient Auction-based Mechanism for Mobile Data Offloading. IEEE Transactions on Mobile Computing, 2015, 14, 1573-1586.	5.8	50
103	Thwarting Intelligent Malicious Behaviors in Cooperative Spectrum Sensing. IEEE Transactions on Mobile Computing, 2015, 14, 2392-2405.	5.8	36
104	Distributed Demand-Side Management in Smart Grid: How Imitation improves power scheduling. , 2015, , .		0
105	TapLock: Exploit finger tap events for enhancing attack resilience of smartphone passwords. , 2015, , .		6
106	On heterogeneous neighbor discovery in wireless sensor networks. , 2015, , .		47
107	A distributed demand-side management framework for the smart grid. Computer Communications, 2015, 57, 13-24.	5.1	60
108	One Step Beyond Myopic Probing Policy: A Heuristic Lookahead Policy for Multi-Channel Opportunistic Access. IEEE Transactions on Wireless Communications, 2015, 14, 759-769.	9.2	9

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109	A group-theoretic framework for rendezvous in heterogeneous cognitive radio networks. , 2014, , .		42
110	A multi-armed bandit formulation for distributed appliances scheduling in smart grids. , 2014, , .		0
111	Multi-channel Broadcast via Channel Hopping in Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	10
112	Heterogeneous multi-channel neighbor discovery formobile sensing applications. , 2014, , .		6
113	Retrospective spectrum access protocol: A payoff-based learning algorithm for cognitive radio networks. , 2014, , .		1
114	Data Integrity and Availability Verification Game in Untrusted Cloud Storage. Lecture Notes in Computer Science, 2014, , 287-306.	1.3	6
115	Addressing the Hidden Terminal Problem for Heterogeneous Coexistence Between TDM and CSMA Networks in White Space. IEEE Transactions on Vehicular Technology, 2014, 63, 4450-4463.	6.3	31
116	Distance-based energy-efficient opportunistic forwarding in mobile delay tolerant networks. , 2014, , .		5
117	Secure cooperative spectrum sensing and access against intelligent malicious behaviors. , 2014, , .		25
118	Opportunistic forwarding in energy harvesting mobile delay tolerant networks. , 2014, , .		11
119	A Game Theoretical Analysis of Data Confidentiality Attacks on Smart-Grid AMI. IEEE Journal on Selected Areas in Communications, 2014, 32, 1486-1499.	14.0	22
120	On Optimality of Myopic Policy for Opportunistic Access With Nonidentical Channels and Imperfect Sensing. IEEE Transactions on Vehicular Technology, 2014, 63, 2478-2483.	6.3	23
121	Routing Metrics of Cognitive Radio Networks: A Survey. IEEE Communications Surveys and Tutorials, 2014, 16, 92-109.	39.4	292
122	Ecology-Based Coexistence Mechanism in Heterogeneous Cognitive Radio Networks. , 2014, , .		0
123	Green Cooperative Cognitive Communication and Networking: A New Paradigm for Wireless Networks. Mobile Networks and Applications, 2013, 18, 524-534.	3.3	7
124	Opportunistic Spectrum Access by Exploiting Primary User Feedbacks in Underlay Cognitive Radio Systems: An Optimality Analysis. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 869-882.	10.8	23
125	Proportional and double imitation rules for spectrum access in cognitive radio networks. Computer Networks, 2013, 57, 1863-1879.	5.1	10
126	On Optimality of Myopic Sensing Policy with Imperfect Sensing in Multi-Channel Opportunistic Access. IEEE Transactions on Communications, 2013, 61, 3854-3862.	7.8	18

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127	A power scheduling game for reducing the peak demand of residential users. , 2013, , .		23
128	An efficient directional coupling from dielectric waveguide to hybrid long-range plasmonic waveguide on a silicon platform. Applied Physics B: Lasers and Optics, 2013, 111, 15-19.	2.2	13
129	Editorial for the Special Issue: Green Cognitive and Cooperative Communication and Networking. Mobile Networks and Applications, 2013, 18, 521-523.	3.3	1
130	On the cascading spectrum contention problem in self-coexistence of cognitive radio networks. , 2013, , .		1
131	Joint Operator Pricing and Network Selection Game in Cognitive Radio Networks: Equilibrium, System Dynamics and Price of Anarchy. IEEE Transactions on Vehicular Technology, 2013, 62, 4576-4589.	6.3	104
132	High-speed rainbow trapping and release by mechanical approaches in the terahertz regime. Journal of Modern Optics, 2012, 59, 686-692.	1.3	7
133	Novel hybrid plasmonic waveguide consisting of two identical dielectric nanowires symmetrically placed on each side of a thin metal film. Optics Express, 2012, 20, 20535.	3.4	88
134	A rollout-based joint spectrum sensing and access policy for cognitive radio networks with hardware limitations. , 2012, , .		5
135	Imitation-based spectrum access policy for CSMA/CA-based cognitive radio networks. , 2012, , .		5
136	High Efficiency and Broadband Two-Dimensional Blazed Grating Coupler With Fully Etched Triangular Holes. Journal of Lightwave Technology, 2012, 30, 2363-2366.	4.6	21
137	Flat Band Slow Light With High Coupling Efficiency in One-Dimensional Grating Waveguides. IEEE Photonics Technology Letters, 2012, 24, 7-9.	2.5	17
138	Imitation-based spectrum access policy for cognitive radio networks. , 2012, , .		1
139	Hierarchical reversible data hiding based on statistical information: Preventing embedding unbalance. Signal Processing, 2012, 92, 2888-2900.	3.7	2
140	Optimality of greedy policy for a class of standard reward function of restless multi-armed bandit problem. IET Signal Processing, 2012, 6, 584.	1.5	19
141	On Optimality of Myopic Policy for Restless Multi-Armed Bandit Problem: An Axiomatic Approach. IEEE Transactions on Signal Processing, 2012, 60, 300-309.	5.3	58
142	On Optimality of Myopic Policy in Opportunistic Spectrum Access: The Case of Sensing Multiple Channels and Accessing One Channel. IEEE Wireless Communications Letters, 2012, 1, 452-455.	5.0	13
143	An integrated cross-layer framework of adaptive FEedback REsource allocation and Prediction for OFDMA systems. Computer Networks, 2012, 56, 1863-1875.	5.1	3
144	A Silicon-Based 3-D Hybrid Long-Range Plasmonic Waveguide for Nanophotonic Integration. Journal of Lightwave Technology, 2012, 30, 163-168.	4.6	119

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145	Conflicts and Incentives in Wireless Cooperative Relaying: A Distributed Market Pricing Framework. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 758-772.	5.6	24
146	Opportunistic Spectrum Access with Channel Switching Cost for Cognitive Radio Networks. , 2011, , .		22
147	Spectrum auction with interference constraint for cognitive radio networks with multiple primary and secondary users. Wireless Networks, 2011, 17, 1355-1371.	3.0	7
148	Fight jamming with jamming " A game theoretic analysis of jamming attack in wireless networks and defense strategy. Computer Networks, 2011, 55, 2259-2270.	5.1	31
149	Numerical simulation on novel nano-scale lateral double-gate tunneling field effect transistor. , 2010, , .		0
150	An Auction Framework for Spectrum Allocation with Interference Constraint in Cognitive Radio Networks. , 2010, , .		56
151	A Distributed Access Point Selection Algorithm Based on No-Regret Learning for Wireless Access Networks. , 2010, , .		44
152	A Game Theoretical Framework on Intrusion Detection in Heterogeneous Networks. IEEE Transactions on Information Forensics and Security, 2009, 4, 165-178.	6.9	107
153	DSP-based indirect rotor field oriented control for multiphase induction machines. , 0, , .		5