Kehao Wang

List of Publications by Year
in descending order

58	543	686830	676716
papers	citations	13	22
		h-index	g-index

58	58	58	495
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On Optimality of Myopic Policy for Restless Multi-Armed Bandit Problem: An Axiomatic Approach. IEEE Transactions on Signal Processing, 2012, 60, 300-309.	3.2	58
2	Finding Needles in a Haystack: Missing Tag Detection in Large RFID Systems. IEEE Transactions on Communications, 2017, 65, 2036-2047.	4.9	44
3	On Efficient Tree-Based Tag Search in Large-Scale RFID Systems. IEEE/ACM Transactions on Networking, 2019, 27, 42-55.	2.6	41
4	Missing Tag Identification in COTS RFID Systems: Bridging the Gap between Theory and Practice. IEEE Transactions on Mobile Computing, 2020, 19, 130-141.	3.9	36
5	On Missing Tag Detection in Multiple-Group Multiple-Region RFID Systems. IEEE Transactions on Mobile Computing, 2017, 16, 1371-1381.	3.9	34
6	Joint Offloading and Charge Cost Minimization in Mobile Edge Computing. IEEE Open Journal of the Communications Society, 2020, 1, 205-216.	4.4	29
7	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.	7.3	23
8	On Optimality of Myopic Policy for Opportunistic Access With Nonidentical Channels and Imperfect Sensing. IEEE Transactions on Vehicular Technology, 2014, 63, 2478-2483.	3.9	23
9	Stabilizing Frame Slotted Aloha-Based IoT Systems: A Geometric Ergodicity Perspective. IEEE Journal on Selected Areas in Communications, 2021, 39, 714-725.	9.7	21
10	Cooperative Energy-Efficient Content Dissemination Using Coalition Formation Game Over Device-to-Device Communications. Canadian Journal of Electrical and Computer Engineering, 2016, 39, 2-10.	1.5	20
11	Optimality of Myopic Policy for Multistate Channel Access. IEEE Communications Letters, 2016, 20, 300-303.	2.5	14
12	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.	3.2	13
13	Multichannel Opportunistic Access by Overhearing Primary ARQ Messages. IEEE Transactions on Vehicular Technology, 2013, 62, 3486-3492.	3.9	13
14	Myopic policy for opportunistic access in cognitive radio networks by exploiting primary user feedbacks. IET Communications, 2015, 9, 1017-1025.	1.5	12
15	Jamsa: A Utility Optimal Contextual Online Learning Framework for Anti-Jamming Wireless Scheduling Under Reactive Jamming Attack. IEEE Transactions on Network Science and Engineering, 2020, 7, 1862-1878.	4.1	11
16	ANT: Deadline-Aware Adaptive Emergency Navigation Strategy for Dynamic Hazardous Ship Evacuation With Wireless Sensor Networks. IEEE Access, 2020, 8, 135758-135769.	2.6	10
17	One Step Beyond Myopic Probing Policy: A Heuristic Lookahead Policy for Multi-Channel Opportunistic Access. IEEE Transactions on Wireless Communications, 2015, 14, 759-769.	6.1	9
18	From Static to Dynamic Tag Population Estimation: An Extended Kalman Filter Perspective. IEEE Transactions on Communications, 2016, 64, 4706-4719.	4.9	9

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19	Multi-layer based multi-path routing algorithm for maximizing spectrum availability. Wireless Networks, 2018, 24, 897-909.	2.0	9
20	Unified Monogamy Relations of Multipartite Entanglement. Scientific Reports, 2019, 9, 16419.	1.6	9
21	Human-Behavior and QoE-Aware Dynamic Channel Allocation for 5G Networks: A Latent Contextual Bandit Learning Approach. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 436-451.	4.9	9
22	On Optimality of Myopic Policy in Multi-Channel Opportunistic Access. IEEE Transactions on Communications, 2017, 65, 677-690.	4.9	8
23	Channel Estimation Aware Performance Analysis for Massive MIMO With Rician Fading. IEEE Transactions on Communications, 2021, 69, 4373-4386.	4.9	8
24	Joint time delay and energy optimization with intelligent overclocking in edge computing. Science China Information Sciences, 2020, 63, 1.	2.7	7
25	On optimality of myopic policy in multi-channel opportunistic access. , 2016, , .		6
26	On Optimality of Second-Highest Policy for Opportunistic Multichannel Access. IEEE Transactions on Vehicular Technology, 2018, 67, 12013-12024.	3.9	5
27	Optimally Probing Channel in Opportunistic Spectrum Access. IEEE Communications Letters, 2018, 22, 1426-1429.	2.5	5
28	Multi€radio channel rendezvous in cognitive radio networks. IET Communications, 2019, 13, 1433-1442.	1.5	5
29	Noncoherent Decision Fusion over Fading Hybrid MACs in Wireless Sensor Networks. Sensors, 2019, 19, 120.	2.1	5
30	Reversible Data Hiding Based on Structural Similarity Block Selection. IEEE Access, 2020, 8, 20375-20385.	2.6	5
31	Measurement€based wireless channel analysis and modelling for shipping environments. IET Microwaves, Antennas and Propagation, 2020, 14, 812-820.	0.7	5
32	Optimally Myopic Scheduling Policy for Downlink Channels With Imperfect State Observation. IEEE Transactions on Vehicular Technology, 2018, 67, 5856-5867.	3.9	4
33	Asymmetric multiscale multifractal detrended cross-correlation analysis for the 1999€"2000 California electricity market. Nonlinear Dynamics, 2018, 91, 1527-1540.	2.7	4
34	On Cooperative Channel Rendezvous in Cognitive Radio Networks. IEEE Access, 2019, 7, 57500-57515.	2.6	4
35	Measurements and analysis of vehicular radio channels in the inland lake bridge area. IET Microwaves, Antennas and Propagation, 2019, 13, 1394-1401.	0.7	3
36	Multi-UAVs Task Assignment Based on Fully Adaptive Cross-Entropy Algorithm. , 2021, , .		3

#	Article	IF	Citations
37	Measurementâ€based V2V radio channel analysis and modelling for bridge scenarios at 5.9â€‰GHz. IET Communications, 2020, 14, 376-386.	1.5	3
38	UAV-Based and Energy-Constrained Data Collection System with Trajectory, Time, and Collection Scheduling Optimization. , 2021, , .		3
39	Hierarchical reversible data hiding based on statistical information: Preventing embedding unbalance. Signal Processing, 2012, 92, 2888-2900.	2.1	2
40	Opportunistic Scheduling Revisited Using Restless Bandits: Indexability and Index Policy. IEEE Transactions on Wireless Communications, 2019, 18, 4997-5010.	6.1	2
41	MD-Alarm: A Novel Manpower Detection Method for Ship Bridge Watchkeeping Using Wi-Fi Signals. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	2.4	2
42	Multicast Rendezvous in Cognitive Radio Networks: A Hypercube Approach. , 2014, , .		1
43	On-demand ecology-inspired spectrum allocation mechanism for heterogeneous cognitive radio networks. Telecommunication Systems, 2017, 66, 589-601.	1.6	1
44	Opportunistic Multichannel Access with Imperfect Observation: A Fixed Point Analysis on Indexability and Index-based Policy. , 2018, , .		1
45	Joint Beamforming and Phase-Shifting Optimization in MISO with RIS-Assisted Communication. , 2020, , .		1
46	ATPGNN: Reconstruction of Neighborhood in Graph Neural Networks With Attention-Based Topological Patterns. IEEE Access, 2021, 9, 9218-9234.	2.6	1
47	Optimal Myopic Policy for Restless Bandit: A Perspective of Eigendecomposition. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 420-433.	7.3	1
48	Fast and Accurate Approach for DOA Estimation of Coherent Signals. Wireless Communications and Mobile Computing, 2022, 2022, 1-7.	0.8	1
49	An automatic extraction method of cerebrovascular centerline for MRA. , 2016, , .		0
50	Mirror-image-based disjoint multi-paths routing algorithm for maximizing communication efficiency. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, .	1.5	0
51	A New Effective Approach for Uplink CoMP Transmission and Diversity Combining. , 2019, , .		0
52	A Densely Connected Transformer for Machine Translation. , 2019, , .		0
53	Whittle Index Policy for Opportunistic Scheduling: Heterogeneous Two-State Channels. , 2021, , 37-77.		0
54	Myopic Policy for Opportunistic Scheduling: Homogeneous Multistate Channels. , 2021, , 79-107.		0

#	Article	IF	Citations
55	Whittle Index Policy for Opportunistic Scheduling: Heterogeneous Multistate Channels. , 2021, , 109-141.		0
56	Multi-channel opportunistic spectrum access: A mixed-scale decision perspective. Computer Communications, 2022, 184, 118-127.	3.1	0
57	Multi-task Scale Adaptive Ladder Network for Crowd Counting. , 2021, , .		0
58	Deterministic Collision-resilient Channel Rendezvous: Theory and Algorithm. IEEE Transactions on Wireless Communications, 2022, , 1-1.	6.1	0