

Kok-Lim Alvin Yau

List of Publications by Year in Descending Order

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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.

84
papers

1,581
citations

24
h-index

37
g-index

99
ext. papers

2,217
ext. citations

4.1
avg, IF

5.48
L-index

#	Paper	IF	Citations
84	Communication Resources Management Based on Spectrum Sensing for Vehicle Platooning. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-14	6.1	0
83	An Intelligent Cluster-Based Routing Scheme in 5G Flying Ad Hoc Networks. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3665	2.6	2
82	Floating Fog: extending fog computing to vast waters for aerial users.. <i>Cluster Computing</i> , 2022 , 1-15	2.1	
81	Applications of Multi-Agent Deep Reinforcement Learning: Models and Algorithms. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10870	2.6	2
80	Coexistence Analysis of D2D-Unlicensed and Wi-Fi Communications. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-11	1.9	2
79	Edge computing-based joint client selection and networking scheme for federated learning in vehicular IoT. <i>China Communications</i> , 2021 , 18, 39-52	3	7
78	Multi-Objective Harris Hawks Optimization Algorithm Based 2-Hop Routing Algorithm for CR-VANET. <i>IEEE Access</i> , 2021 , 1-1	3.5	5
77	Spectrum sensing challenges & their solutions in cognitive radio based vehicular networks. <i>International Journal of Communication Systems</i> , 2021 , 34, e4748	1.7	7
76	An Experimental Study on D2D Route Selection Mechanism in 5G Scenarios. <i>Electronics (Switzerland)</i> , 2021 , 10, 387	2.6	0
75	Machine Learning-Based Cooperative Spectrum Sensing in Dynamic Segmentation Enabled Cognitive Radio Vehicular Network. <i>Energies</i> , 2021 , 14, 1169	3.1	5
74	Artificial Intelligence Marketing (AIM) for Enhancing Customer Relationships. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8562	2.6	3
73	A Routing Protocol for UAV-Assisted Vehicular Delay Tolerant Networks. <i>IEEE Open Journal of the Computer Society</i> , 2021 , 2, 85-98	3.6	8
72	Virtual Edge: Exploring Computation Offloading in Collaborative Vehicular Edge Computing. <i>IEEE Access</i> , 2021 , 9, 37739-37751	3.5	10
71	. <i>IEEE Access</i> , 2021 , 1-1	3.5	3
70	Federated Learning for Vehicular Internet of Things: Recent Advances and Open Issues. <i>IEEE Open Journal of the Computer Society</i> , 2020 ,	3.6	69
69	. <i>IEEE Access</i> , 2020 , 8, 83387-83404	3.5	24
68	Computational Intelligence for Internet of Things in the Big Data Era (Part II) [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , 2020 , 15, 22-23	5.6	3

67	Survey and taxonomy of clustering algorithms in 5G. <i>Journal of Network and Computer Applications</i> , 2020 , 154, 102539	7.9	13
66	Deep reinforcement learning for traffic signal control under disturbances: A case study on Sunway city, Malaysia. <i>Future Generation Computer Systems</i> , 2020 , 109, 431-445	7.5	16
65	Trust and Reputation Management for Securing Collaboration in 5G Access Networks: The Road Ahead. <i>IEEE Access</i> , 2020 , 8, 62542-62560	3.5	6
64	Comprehensive Survey of Machine Learning Approaches in Cognitive Radio-Based Vehicular Ad Hoc Networks. <i>IEEE Access</i> , 2020 , 8, 78054-78108	3.5	30
63	Faster Convergence of Q-Learning in Cognitive Radio-VANET Scenario. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 171-181	0.2	2
62	Blockchain for Vehicular Internet of Things: Recent Advances and Open Issues. <i>Sensors</i> , 2020 , 20,	3.8	25
61	Deep Reinforcement Learning for Traffic Signal Control: A Review. <i>IEEE Access</i> , 2020 , 8, 208016-208044	3.5	14
60	Empowering Blockchain in Vehicular Environments With Decentralized Edges. <i>IEEE Access</i> , 2020 , 8, 202032-202041	3.5	14
59	Collaborative Vehicular Edge Computing Towards Greener ITS. <i>IEEE Access</i> , 2020 , 8, 63935-63944	3.5	8
58	Edge Computing in 5G: A Review. <i>IEEE Access</i> , 2019 , 7, 127276-127289	3.5	78
57	A Survey on Simultaneous Wireless Information and Power Transfer With Cooperative Relay and Future Challenges. <i>IEEE Access</i> , 2019 , 7, 19166-19198	3.5	63
56	Can Reinforcement Learning Address Security Issues? an Investigation into a Clustering Scheme in Distributed Cognitive Radio Networks 2019 ,		1
55	Unsupervised Machine Learning for Networking: Techniques, Applications and Research Challenges. <i>IEEE Access</i> , 2019 , 7, 65579-65615	3.5	89
54	. <i>IEEE Access</i> , 2019 , 7, 48236-48255	3.5	21
53	5G-Based Smart Healthcare Network: Architecture, Taxonomy, Challenges and Future Research Directions. <i>IEEE Access</i> , 2019 , 7, 100747-100762	3.5	122
52	A Distributed Testbed for 5G Scenarios: An Experimental Study. <i>Sensors</i> , 2019 , 20,	3.8	4
51	Routing Schemes in FANETs: A Survey. <i>Sensors</i> , 2019 , 20,	3.8	28
50	A Security-Enhanced Cluster Size Adjustment Scheme for Cognitive Radio Networks. <i>IEEE Access</i> , 2019 , 7, 117-130	3.5	32

49	. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2019 , 5, 28-43	6.6	11
48	Computational Intelligence Techniques for Mobile Network Optimization [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , 2018 , 13, 28-28	5.6	2
47	. <i>IEEE Access</i> , 2018 , 6, 1055-1072	3.5	8
46	IEEE ACCESS Special Section Editorial: Energy Harvesting and Scavenging: Technologies, Algorithms, and Communication Protocols. <i>IEEE Access</i> , 2018 , 6, 13461-13465	3.5	1
45	Route selection over clustered cognitive radio networks: An experimental evaluation. <i>Computer Communications</i> , 2018 , 129, 138-151	5.1	8
44	. <i>IEEE Access</i> , 2018 , 6, 35072-35090	3.5	27
43	Clustering and Reinforcement-Learning-Based Routing for Cognitive Radio Networks. <i>IEEE Wireless Communications</i> , 2017 , 24, 146-151	13.4	40
42	A Survey on Reinforcement Learning Models and Algorithms for Traffic Signal Control. <i>ACM Computing Surveys</i> , 2017 , 50, 1-38	13.4	75
41	MP-ALM: Exploring Reliable Multipath Multicast Streaming with Multipath TCP 2016 ,		3
40	Greater Kuala Lumpur as a smart city: A case study on technology opportunities 2016 ,		7
39	Preserving Privacy of Agents in Reinforcement Learning for Distributed Cognitive Radio Networks. <i>Lecture Notes in Computer Science</i> , 2016 , 555-562	0.9	
38	Route Selection for Multi-Hop Cognitive Radio Networks Using Reinforcement Learning: An Experimental Study. <i>IEEE Access</i> , 2016 , 4, 6304-6324	3.5	31
37	Joint channel selection and cluster-based routing scheme based on reinforcement learning for cognitive radio networks 2015 ,		2
36	Application of reinforcement learning for security enhancement in cognitive radio networks. <i>Applied Soft Computing Journal</i> , 2015 , 37, 809-829	7.5	29
35	. <i>IEEE Communications Surveys and Tutorials</i> , 2015 , 17, 2176-2213	37.1	50
34	SMART: A SpectruM-Aware ClusteR-based rouTing scheme for distributed cognitive radio networks. <i>Computer Networks</i> , 2015 , 91, 196-224	5.4	31
33	Application of reinforcement learning to routing in distributed wireless networks: a review. <i>Artificial Intelligence Review</i> , 2015 , 43, 381-416	9.7	48
32	Addressing the Major Information Technology Challenges of Electronic Textbooks. <i>Journal of Computer Information Systems</i> , 2015 , 55, 40-47	1.9	7

31	QoS in IEEE 802.11-based wireless networks: A contemporary review. <i>Journal of Network and Computer Applications</i> , 2015 , 55, 24-46	7.9	66
30	IEEE ACCESS SPECIAL SECTION EDITORIAL: ARTIFICIAL INTELLIGENCE ENABLED NETWORKING. <i>IEEE Access</i> , 2015 , 3, 3079-3082	3.5	13
29	Application of reinforcement learning to wireless sensor networks: models and algorithms. <i>Computing (Vienna/New York)</i> , 2015 , 97, 1045-1075	2.2	22
28	Effects of network characteristics on learning mechanism for routing in cognitive radio ad hoc networks 2014 ,		3
27	2014 ,		8
26	Clustering algorithms for Cognitive Radio networks: A survey. <i>Journal of Network and Computer Applications</i> , 2014 , 45, 79-95	7.9	37
25	Spectrum Leasing in Cognitive Radio Networks: A Survey. <i>International Journal of Distributed Sensor Networks</i> , 2014 , 10, 329235	1.7	8
24	Application of reinforcement learning in cognitive radio networks: models and algorithms. <i>Scientific World Journal, The</i> , 2014 , 2014, 209810	2.2	6
23	Reinforcement learning for routing in cognitive radio ad hoc networks. <i>Scientific World Journal, The</i> , 2014 , 2014, 960584	2.2	3
22	Reinforcement learning-based trust and reputation model for cluster head selection in cognitive radio networks 2014 ,		4
21	Towards a smart city: the case of greater Kuala Lumpur in Malaysia 2014 ,		5
20	Trust and reputation management in cognitive radio networks: a survey. <i>Security and Communication Networks</i> , 2014 , 7, 2160-2179	1.9	15
19	On Cognitive Radio-based Wireless Body Area Networks for medical applications 2013 ,		12
18	Reinforcement learning models for scheduling in wireless networks. <i>Frontiers of Computer Science</i> , 2013 , 7, 754-766	2.2	6
17	Routing in Distributed Cognitive Radio Networks: A Survey. <i>Wireless Personal Communications</i> , 2013 , 69, 1983-2020	1.9	28
16	Route selection for minimizing interference to primary users in Cognitive Radio Networks: A Reinforcement Learning approach 2013 ,		5
15	Security aspects in the cognition cycle of distributed cognitive radio networks: a survey from a multi-agent perspective. <i>International Journal of Ad Hoc and Ubiquitous Computing</i> , 2013 , 12, 157	0.7	3
14	Reinforcement learning for context awareness and intelligence in wireless networks: Review, new features and open issues. <i>Journal of Network and Computer Applications</i> , 2012 , 35, 253-267	7.9	102

13	Issues and Challenges of Energy-efficient Hybrid Routing Schemes: A Review. <i>Journal of Applied Sciences</i> , 2012 , 12, 2096-2106	0.3	0
12	Performance Analysis of Reinforcement Learning for Achieving Context Awareness and Intelligence in Mobile Cognitive Radio Networks 2011 ,		3
11	Learning mechanisms for achieving context awareness and intelligence in Cognitive Radio networks 2011 ,		1
10	Achieving Context Awareness and Intelligence in Distributed Cognitive Radio Networks: A Payoff Propagation Approach 2011 ,		5
9	2010 ,		7
8	Applications of Reinforcement Learning to Cognitive Radio Networks 2010 ,		23
7	Context-awareness and intelligence in Distributed Cognitive Radio Networks: A Reinforcement Learning approach 2010 ,		9
6	Enhancing network performance in Distributed Cognitive Radio Networks using single-agent and multi-agent Reinforcement Learning 2010 ,		19
5	Performance analysis of Reinforcement Learning for achieving context-awareness and intelligence in Cognitive Radio networks 2009 ,		3
4	Cognitive Radio-based Wireless Sensor Networks: Conceptual design and open issues 2009 ,		34
3	A context-aware and Intelligent Dynamic Channel Selection scheme for cognitive radio networks 2009 ,		30
2	C2net: A Cross-Layer Quality of Service (QoS) Architecture for Cognitive Wireless Ad Hoc Networks 2008 ,		2
1	Quality of Service (QoS) Provisioning in Cognitive Wireless Ad Hoc Networks. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> ,575-594	0.2	