

Prabhat Thakur

List of Publications by Citations

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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.

43
papers

287
citations

10
h-index

16
g-index

47
ext. papers

341
ext. citations

2.1
avg, IF

3.92
L-index

#	Paper	IF	Citations
43	Spectrum mobility in cognitive radio network using spectrum prediction and monitoring techniques. <i>Physical Communication</i> , 2017 , 24, 1-8	2.2	35
42	Advanced Frame Structures for Hybrid Spectrum Access Strategy in Cognitive Radio Communication Systems. <i>IEEE Communications Letters</i> , 2017 , 21, 410-413	3.8	34
41	Analysis of optimal threshold selection for spectrum sensing in a cognitive radio network: an energy detection approach. <i>Wireless Networks</i> , 2019 , 25, 3917-3931	2.5	29
40	Performance analysis of high-traffic cognitive radio communication system using hybrid spectrum access, prediction and monitoring techniques. <i>Wireless Networks</i> , 2018 , 24, 2005-2015	2.5	27
39	Spectrum sharing in cognitive radio communication system using power constraints: A technical review. <i>Perspectives in Science</i> , 2016 , 8, 651-653	0.8	26
38	Performance analysis of cognitive radio networks using channel-prediction-probabilities and improved frame structure. <i>Digital Communications and Networks</i> , 2018 , 4, 287-295	5.9	16
37	Analytical framework of small-gap photoconductive dipole antenna using equivalent circuit model. <i>Optical and Quantum Electronics</i> , 2017 , 49, 1	2.4	15
36	Frameworks of non-orthogonal multiple access techniques in cognitive radio communication systems. <i>China Communications</i> , 2019 , 16, 129-149	3	13
35	Threshold selection and cooperation in fading environment of cognitive radio network: Consequences on spectrum sensing and throughput. <i>AEU - International Journal of Electronics and Communications</i> , 2020 , 117, 153101	2.8	12
34	Spectrum monitoring in heterogeneous cognitive radio network: How to cooperate?. <i>IET Communications</i> , 2018 , 12, 2110-2118	1.3	10
33	Performance analysis of cooperative spectrum monitoring in cognitive radio network. <i>Wireless Networks</i> , 2019 , 25, 989-997	2.5	9
32	Frame structures for hybrid spectrum accessing strategy in cognitive radio communication system 2016 ,		8
31	Aspects of secure communication during spectrum handoff in cognitive radio networks 2016 ,		7
30	Analysis of high-traffic cognitive radio network with imperfect spectrum monitoring technique. <i>Computer Networks</i> , 2018 , 147, 27-37	5.4	7
29	Power management for spectrum sharing in cognitive radio communication system: a comprehensive survey. <i>Journal of Electromagnetic Waves and Applications</i> , 2020 , 34, 407-461	1.3	6
28	Fixed and dynamic threshold selection criteria in energy detection for cognitive radio communication systems 2017 ,		5
27	Intelligent threshold selection in fading environment of cognitive radio network: Advances in throughput and total error probability. <i>International Journal of Communication Systems</i> , 2020 , 33, e4175 ¹⁻⁷		5

26	Performance analysis of different threshold selection schemes in energy detection for cognitive radio communication systems 2017 ,		3
25	Security and interference management in the cognitive-inspired Internet of Medical Things 2020 , 131-149		3
24	Performance analysis of MIMO-based CR-NOMA communication systems. <i>IET Communications</i> , 2020 , 14, 2677-2686	1.3	3
23	Energy and spectral efficient SMC-MAC protocol in distributed cognitive radio networks. <i>IET Communications</i> , 2019 , 13, 2705-2713	1.3	3
22	Error Rate Analysis of Precoded-OSTBC MIMO System Over Generalized-K Fading Channel. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 299-307	0.2	2
21	Effect of imperfect spectrum monitoring on cognitive radio network performance 2017 ,		2
20	Performance improvement of cognitive radio network using spectrum prediction and monitoring techniques for spectrum mobility 2016 ,		2
19	Power Allocation Techniques for Visible Light 2020 , 45-78		1
18	Spectral efficient designs of MIMO-based CR-NOMA for Internet of Things Networks. <i>International Journal of Communication Systems</i> , 2021 , 34, e4888	1.7	1
17	Cognitive Radio With Internet-of-Things: A New Revolution 2018 ,		1
16	A framework for spectrum sharing in cognitive radio networks for military applications. <i>IEEE Potentials</i> , 2021 , 40, 39-47	1	1
15	Framework of Compressive Sampling with Its Applications to One- and Two-Dimensional Signals. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 11-20	0.4	0
14	Optimization of Fusion Center Parameters with Threshold Selection in Multiple Antenna and Censoring based Cognitive Radio Network. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	0
13	Downlink Spectral Efficiency of ZF Precoding Based Multi-user MIMO System Over Weibull Fading Channel. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 431-437	0.2	
12	HSA-SPC: Hybrid Spectrum Access with Spectrum Prediction and Cooperation for Performance Enhancement of Multiuser Cognitive Radio Network. <i>Computer Networks</i> , 2021 , 108596	5.4	
11	Routing Topologies and Architecture in Cognitive Radio Vehicular Ad hoc Networks. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 321-330	0.2	
10	Performance Analysis of MIMO-Based CR-NOMA Communication Systems 2021 , 229-253		
9	Cognitive Radio Network with Spectrum Prediction and Monitoring Techniques 2021 , 55-75		

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- 7 Advanced Frame Structures in Cognitive Radio Networks **2021**, 39-53
- 6 Effect of Imperfect Spectrum Monitoring on Cognitive Radio Networks **2021**, 97-119
- 5 Spectrum Mobility in Cognitive Radio Networks Using Spectrum Prediction and Monitoring Techniques **2021**, 147-166
- 4 Interference Management in Cognitive Radio Networks **2021**, 255-279
- 3 Hybrid Self-Scheduled Multichannel Medium Access Control Protocol in Cognitive Radio Networks **2021**, 167-194
- 2 Cooperative Spectrum Monitoring in Homogeneous and Heterogeneous Cognitive Radio Networks **2021**, 121-146
- 1 Effect of Spectrum Prediction on Cognitive Radio Networks **2021**, 77-96