Tiecheng Song

List of Publications by Year
in descending order

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27 papers	557 citations	759233 12 h-index	677142 22 g-index
27 all docs	27 docs citations	27 times ranked	596 citing authors

#	Article	IF	Citations
1	Deep Learning-Inspired Message Passing Algorithm for Efficient Resource Allocation in Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 641-653.	6.3	156
2	Intelligent Reflecting Surface Aided MIMO Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 11445-11457.	6.3	92
3	Generalized Byzantine Attack and Defense in Cooperative Spectrum Sensing for Cognitive Radio Networks. IEEE Access, 2018, 6, 53272-53286.	4.2	32
4	Sequential 0/1 for Cooperative Spectrum Sensing in the Presence of Strategic Byzantine Attack. IEEE Wireless Communications Letters, 2019, 8, 500-503.	5.0	30
5	Analysis of Byzantine Attack Strategy for Cooperative Spectrum Sensing. IEEE Communications Letters, 2020, 24, 1631-1635.	4.1	26
6	Sequential cooperative spectrum sensing in the presence of dynamic Byzantine attack for mobile networks. PLoS ONE, 2018, 13, e0199546.	2.5	23
7	Spectrum Sensing and the Utilization of Spectrum Opportunity Tradeoff in Cognitive Radio Network. IEEE Communications Letters, 2016, 20, 2442-2445.	4.1	21
8	Cost-Benefit Tradeoff of Byzantine Attack in Cooperative Spectrum Sensing. IEEE Systems Journal, 2020, 14, 2532-2543.	4.6	18
9	Cooperative Spectrum Sensing Algorithm Based on Support Vector Machine against SSDF Attack. , 2018, , .		17
10	Performance optimisation of cooperative spectrum sensing in mobile cognitive radio networks. IET Communications, 2020, 14, 1028-1036.	2.2	17
11	Inference of Gene Regulatory Networks from Genetic Perturbations with Linear Regression Model. PLoS ONE, 2013, 8, e83263.	2.5	16
12	Hierarchical Game for Networked Electric Vehicle Public Charging Under Time-Based Billing Model. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 518-530.	8.0	16
13	Optimisation of virtual cooperative spectrum sensing for UAVâ€based interweave cognitive radio system. IET Communications, 2021, 15, 1368-1379.	2.2	14
14	Anti-Shadowing Resource Allocation for General Mobile Cognitive Radio Networks. IEEE Access, 2018, 6, 5618-5632.	4.2	11
15	Deep Learning for Spectrum Prediction From Spatialâ€“Temporalâ€“Spectral Data. IEEE Communications Letters, 2021, 25, 1216-1220.	4.1	10
16	Sequential fusion to defend against sensing data falsification attack for cognitive Internet of Things. ETRI Journal, 2020, 42, 976-986.	2.0	9
17	Reuse of Byzantine data in cooperative spectrum sensing using sequential detection. IET Communications, 2020, 14, 251-261.	2.2	9
18	Multi-Leaderâ€“Follower Game for MEC-Assisted Fusion-Based Vehicle On-Road Analysis. IEEE Transactions on Vehicular Technology, 2019, 68, 11200-11212.	6.3	7

#	Article	IF	Citations
19	Detection Strategy Against Restricted SSDF Attack With Potential Interaction Assistance. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 553-566.	7.9	6
20	Incentive Framework for Cross-Device Federated Learning and Analytics With Multiple Tasks Based on a Multi-Leader-Follower Game. IEEE Transactions on Network Science and Engineering, 2022, 9, 3749-3761.	6.4	6
21	Robust Online Prediction of Spectrum Map With Incomplete and Corrupted Observations. IEEE Transactions on Mobile Computing, 2022, 21, 4583-4594.	5.8	5
22	Distributed Downloading Strategy for Multi-Source Data Fusion in Edge-Enabled Vehicular Network : (Invited Paper). , 2019, , .		4
23	Recovering Missing Values From Corrupted Historical Observations: Approaching the Limit of Predictability in Spectrum Prediction Tasks. IEEE Access, 2020, 8, 180379-180393.	4.2	4
24	Cost-benefit Analysis of Cooperative Spectrum Sensing Under Detection Delay Constraint for CUAVNs. , 2021, , .		4
25	Design and implementation of power communication terminal based on link aggregation technology. , 2016, , .		2
26	Variational Inference of Kalman Filter and Its Application in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 106434.	2.2	2
27	Optimal Power Allocation for Green CR over Fading Channels with Rate Constraint. IEICE Transactions on Communications, 2020, E103.B, 1038-1048.	0.7	0