Brian L Mark

List of Publications by Year
in descending order

55	830	686830	794141
papers	citations	13 h-index	19 g-index

55	55	55	560
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modeling and analysis of opportunistic spectrum sharing with unreliable spectrum sensing. IEEE Transactions on Wireless Communications, 2009, 8, 1934-1943.	6.1	102
2	Spectrum Sensing Using a Hidden Bivariate Markov Model. IEEE Transactions on Wireless Communications, 2013, 12, 4582-4591.	6.1	76
3	Estimation of maximum interference-free power level for opportunistic spectrum access. IEEE Transactions on Wireless Communications, 2009, 8, 2505-2513.	6.1	71
4	Modeling and analysis of interference in Listen-Before-Talk spectrum access schemes. International Journal of Network Management, 2006, 16, 131-147.	1.4	67
5	Joint Spatialâ€“Temporal Spectrum Sensing for Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 3480-3490.	3.9	62
6	Analysis of virus spread in wireless sensor networks: An epidemic model. , 2009, , .		42
7	Analysis of opportunistic spectrum sharing with markovian arrivals and phase-type service. IEEE Transactions on Wireless Communications, 2009, 8, 3142-3150.	6.1	40
8	Performance Analysis of a Wireless Network with Opportunistic Spectrum Sharing. , 2007, , .		35
9	Mobility Tracking Based on Autoregressive Models. IEEE Transactions on Mobile Computing, 2011, 10, 32-43.	3.9	29
10	Local Averaging for Fast Handoffs in Cellular Networks. IEEE Transactions on Wireless Communications, 2007, 6, 866-874.	6.1	20
11	Generalized Loss Models and Queueing-loss Networks. International Transactions in Operational Research, 2002, 9, 97-112.	1.8	19
12	Estimation of Interference-Free Transmit Power for Opportunistic Spectrum Access. , 2008, , .		18
13	Hidden Markov process based dynamic spectrum access for cognitive radio. , 2011, , .		18
14	Collaborative Spectrum Sensing via Online Estimation of Hidden Bivariate Markov Models. IEEE Transactions on Wireless Communications, 2016, 15, 5430-5439.	6.1	17
15	Measurement clustering criteria for localization of multiple transmitters. , 2009, , .		15
16	An EM algorithm for continuous-time bivariate Markov chains. Computational Statistics and Data Analysis, 2013, 57, 504-517.	0.7	15
17	Collaborative Opportunistic Spectrum Access in the Presence of Multiple Transmitters. , 2008, , .		14
18	Delay Network Tomography Using a Partially Observable Bivariate Markov Chain. IEEE/ACM Transactions on Networking, 2017, 25, 126-138.	2.6	14

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19	A Recursive Algorithm for Wideband Temporal Spectrum Sensing. IEEE Transactions on Communications, 2018, 66, 26-38.	4.9	14
20	Joint spatial-temporal spectrum sensing for cognitive radio networks. , 2009, , .		12
21	Online Parameter Estimation for Temporal Spectrum Sensing. IEEE Transactions on Wireless Communications, 2015, 14, 4105-4114.	6.1	12
22	Byzantine robust trust establishment for mobile ad hoc networks. Telecommunication Systems, 2007, 35, 189-206.	1.6	11
23	Cooperative communication with regenerative relays for cognitive radio networks. , 2010, , .		11
24	Explicit Causal Recursive Estimators for Continuous-Time Bivariate Markov Chains. IEEE Transactions on Signal Processing, 2014, 62, 2709-2718.	3.2	11
25	Causal Recursive Parameter Estimation for Discrete-Time Hidden Bivariate Markov Chains. IEEE Transactions on Signal Processing, 2015, 63, 2108-2117.	3.2	10
26	Modeling an Opportunistic Spectrum Sharing System with a Correlated Arrival Process. , 2008, , .		8
27	Combining cooperative relaying with spectrum sensing in cognitive radio networks. , 2010, , .		6
28	A recursive algorithm for joint time-frequency wideband spectrum sensing. , 2015, , .		5
29	Tail-Limited Phase-Type Burstiness Bounds for Network Traffic. , 2019, , .		5
30	An Adaptive Spectrum Detection Mechanism for Cognitive Radio Networks in Dynamic Traffic Environments. , 2008, , .		4
31	An Edge Detection Approach to Wideband Temporal Spectrum Sensing. , 2016, , .		4
32	Fitting Network Traffic to Phase-Type Bounds. , 2020, , .		4
33	Design of a Stochastic Traffic Regulator for End-to-End Network Delay Guarantees. IEEE/ACM Transactions on Networking, 2022, 30, 2531-2543.	2.6	4
34	An Exact Solution for Outage Probability in Cellular Networks. , 2007, , .		3
35	Exploiting multiuser diversity for spectrum sensing in cognitive radio networks. , 2010, , .		3
36	Exploiting Multichannel Diversity in Cognitive Radio Networks. , 2010, , .		3

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37	A Computing Budget Allocation Approach to Multiband Spectrum Sensing. , 2017, , .		3
38	Wideband Temporal Spectrum Sensing Using Cepstral Features. , 2019, , .		3
39	Stochastic Traffic Regulator for End-to-End Network Delay Guarantees. , 2020, , .		3
40	A Multipath Flow Routing Approach for Increasing Throughput in the Internet. , 2007, , .		2
41	On modeling network congestion using continuous-time bivariate Markov chains. , 2011, , .		2
42	Interference model for spectrum sensing with power control. , 2013, , .		2
43	Collaborative Spectrum Sensing Based on Hidden Bivariate Markov Models. , 2015, , .		2
44	Phase-type bounds on network performance. , 2018, , .		2
45	Spectrum Sensing Using Markovian Models. , 2017, , 1-30.		2
46	Robust Statistical Geolocation of Internet Hosts. , 2015, , .		1
47	Comparison of relative effectiveness of video with serial visual presentation for target reconnaissance from UASs. Proceedings of SPIE, 2016, , .	0.8	1
48	Spectrum Sensing Using Markovian Models. , 2019, , 33-62.		1
49	Game-Theoretic Framework for Cooperative Relaying in Cognitive Radio Networks. , 2020, , .		1
50	Multiband Parameter Estimation for Spectrum Sensing from Noisy Measurements. , 2020, , .		1
51	Reducing ASE Effect in Coherent Detection by Employing Double-Pass Fiber Preamplifier and Time-Domain Filter. IEEE Journal of Quantum Electronics, 2009, 45, 1289-1296.	1.0	0
52	Characterization of binary string statistics for syntactic landmine detection. Proceedings of SPIE, 2011, , .	0.8	0
53	Gaussian random field approximation for exclusion zones in cognitive radio networks. , 2017, , .		0
54	Multiband Spectrum Sensing with Non-exponential Channel Occupancy Times. , 2021, , .		0

#	Article	IF	Citations
55	What probability distribution describes search?. Optical Engineering, 2019, 58, 1.	0.5	0