

Geoffrey G Messier

List of Publications by Year in descending order

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686830

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27
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43
all docs

43
docs citations

43
times ranked

1443
citing authors

#	ARTICLE	IF	CITATIONS
1	Vehicle Routing Problems for Drone Delivery. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 70-85.	5.9	697
2	Optimum receiver for molecule shift keying modulation in diffusion-based molecular communication channels. Nano Communication Networks, 2012, 3, 183-195.	1.6	186
3	Nano-machine molecular communication over a moving propagation medium. Nano Communication Networks, 2013, 4, 142-153.	1.6	90
4	Blind Synchronization in Diffusion-Based Molecular Communication Channels. IEEE Communications Letters, 2013, 17, 2156-2159.	2.5	85
5	Using the Wireless and PLC Channels for Diversity. IEEE Transactions on Communications, 2012, 60, 3865-3875.	4.9	58
6	Traffic models for medical wireless sensor networks. IEEE Communications Letters, 2007, 11, 13-15.	2.5	41
7	Estimating Instantaneous Cache Hit Ratio Using Markov Chain Analysis. IEEE/ACM Transactions on Networking, 2013, 21, 1472-1483.	2.6	37
8	A 4-GHz Active Scatterer in 130-nm CMOS for Phase Sweep Amplify-and-Forward. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 529-540.	3.5	34
9	Joint Fading and Shadowing Model for Large Office Indoor WLAN Environments. IEEE Transactions on Antennas and Propagation, 2014, 62, 2209-2222.	3.1	28
10	A Sensor Network Cross-Layer Power Control Algorithm that Incorporates Multiple-Access Interference. IEEE Transactions on Wireless Communications, 2008, 7, 2877-2883.	6.1	26
11	NEIGHBORHOOD-BASED ALGORITHM TO FACILITATE THE REDUCTION OF SKIN REFLECTIONS IN RADAR-BASED MICROWAVE IMAGING. Progress in Electromagnetics Research B, 2012, 39, 115-139.	0.7	25
12	DSL and PLC Co-Existence: An Interference Cancellation Approach. IEEE Transactions on Communications, 2014, 62, 3336-3350.	4.9	17
13	Modelling the reception process in diffusion-based molecular communication channels. , 2013, , .		15
14	Cross-Layer Lifetime Optimization for Practical Industrial Wireless Networks: A Petroleum Refinery Case Study. IEEE Transactions on Industrial Informatics, 2018, 14, 3559-3566.	7.2	13
15	Minimizing the Net Present Cost of Deploying and Operating Wireless Sensor Networks. IEEE Transactions on Network and Service Management, 2015, 12, 511-525.	3.2	9
16	Optimizing Physical Layer Energy Consumption for Wireless Sensor Networks. IEEE Vehicular Technology Conference, 2007, , .	0.2	8
17	An Integrated Active Reflector for Phase-Sweep Cooperative Diversity. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 624-628.	2.2	6
18	Peer-Assisted Caching for Scalable Media Streaming in Wireless Backhaul Networks. , 2010, , .		6

#	ARTICLE	IF	CITATIONS
19	Hierarchical Cache Performance Analysis Under TTL-Based Consistency. IEEE/ACM Transactions on Networking, 2015, 23, 1190-1201.	2.6	6
20	Petroleum Refinery Multiantenna Propagation Measurements. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1365-1368.	2.4	6
21	Predicting Chronic Homelessness: The Importance of Comparing Algorithms using Client Histories. Journal of Technology in Human Services, 2022, 40, 122-133.	0.9	6
22	Opportunistic Transmission using Large Scale Channel Effects. IEEE Transactions on Communications, 2010, 58, 3110-3114.	4.9	5
23	A Gaussian Model for Dead-Reckoning Mobile Sensor Position Error. , 2010, , .		5
24	Impact of Noise Bandwidth on Noise Figure. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2662-2664.	2.4	5
25	Dense Urban Channel Measurements for Utility Pole Fixed Wireless Links. IEEE Transactions on Antennas and Propagation, 2015, 63, 5791-5798.	3.1	4
26	Cooperative Phase Sweep Amplify-and-Forward Transmission. , 2008, , .		3
27	A 0.13-Åµm CMOS wireless reflector for phase sweep cooperative diversity. , 2010, , .		2
28	Time averaging and threshold effect on statistics of residential power consumption. , 2011, , .		2
29	Wideband Modeling of the Mud-Pulse Communications Channel. IEEE Communications Letters, 2021, 25, 18-22.	2.5	2
30	IEEE 802.11b SDMA Performance in Realistic Environments. IEEE Vehicular Technology Conference, 2007, , .	0.2	1
31	Evaluating Wireless Network Effects for SLAM Robot Map Making. , 2010, , .		1
32	Implementation of an all-analog active reflector. , 2010, , .		1
33	Crosstalk measurements in DSL rings. , 2013, , .		1
34	Internal Readout System for Molecular Recorders. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2015, 1, 26-36.	1.4	1
35	Adaptive Modulation and Coding for Large Open Office Indoor Wireless Environments. , 2016, , .		1
36	Petroleum Refinery Mesh Network Propagation Measurements. IEEE Transactions on Antennas and Propagation, 2017, 65, 5645-5648.	3.1	1

#	ARTICLE	IF	CITATIONS
37	Impact of bandwidth on antenna array noise matching. Electronics Letters, 2021, 57, 158-160.	0.5	1
38	The Best Thresholds for Rapid Identification of Episodic and Chronic Homeless Shelter Use. International Journal on Homelessness, 0, , 1-11.	0.6	1
39	Sector Transmit Power Pooling on Real CDMA Networks. IEEE Transactions on Vehicular Technology, 2006, 55, 1889-1896.	3.9	0
40	Antenna Array Designs for OFDM WLAN Indoor Transmission. Wireless Personal Communications, 2011, 56, 779-789.	1.8	0
41	Average Error Rates and Achievable Capacity in Large Office Indoor Wireless Environments. IEEE Transactions on Communications, 2017, 65, 4955-4965.	4.9	0
42	On Combined Rate and Power Adaptation for Indoor Wireless Environments. , 2018, , .		0
43	Impact of Packet Routing Scheme on Post-Failure Industrial Wireless Sensor Networks. , 2020, , .		0