

Mihail L Sichitiu

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,251
citations

566801

15
h-index

329751

37
g-index

61
all docs

61
docs citations

61
times ranked

1995
citing authors

#	ARTICLE	IF	CITATIONS
1	Z-MAC: A Hybrid MAC for Wireless Sensor Networks. IEEE/ACM Transactions on Networking, 2008, 16, 511-524.	2.6	592
2	The nominal capacity of wireless mesh networks. IEEE Wireless Communications, 2003, 10, 8-14.	6.6	406
3	Angle of Arrival Localization for Wireless Sensor Networks. , 2006, , .		292
4	Detection, Tracking, and Interdiction for Amateur Drones. IEEE Communications Magazine, 2018, 56, 75-81.	4.9	181
5	Tiny-sync. ACM Transactions on Sensor Networks, 2007, 3, 8.	2.3	90
6	IEEE 802.11 Saturation Throughput Analysis in the Presence of Hidden Terminals. IEEE/ACM Transactions on Networking, 2012, 20, 557-570.	2.6	62
7	Autonomous Tracking of Intermittent RF Source Using a UAV Swarm. IEEE Access, 2018, 6, 15884-15897.	2.6	57
8	MRP: Wireless mesh networks routing protocol. Computer Communications, 2008, 31, 1413-1435.	3.1	54
9	An asynchronous scheduled MAC protocol for wireless sensor networks. Computer Networks, 2013, 57, 85-98.	3.2	54
10	CESP: A Low-Power High-Accuracy Time Synchronization Protocol. IEEE Transactions on Vehicular Technology, 2016, 65, 2387-2396.	3.9	46
11	Advanced Wireless for Unmanned Aerial Systems: 5G Standardization, Research Challenges, and AERPAW Architecture. IEEE Vehicular Technology Magazine, 2020, 15, 22-30.	2.8	45
12	A Biobotic Distributed Sensor Network for Under-Rubble Search and Rescue. Computer, 2016, 49, 38-46.	1.2	39
13	Asymptotic Stability of Congestion Control Systems With Multiple Sources. IEEE Transactions on Automatic Control, 2006, 51, 292-298.	3.6	25
14	The effect of uncertain time-variant delays in ATM networks with explicit rate feedback: A control theoretic approach. IEEE/ACM Transactions on Networking, 2003, 11, 628-637.	2.6	23
15	MCAS-MAC: A multichannel asynchronous scheduled MAC protocol for wireless sensor networks. Computer Communications, 2015, 56, 98-107.	3.1	22
16	An obstacle model implementation for evaluating radio shadowing with ns-3. , 2015, , .		17
17	Optimal Resource Allocation in Random Access Cooperative Cognitive Radio Networks. IEEE Transactions on Mobile Computing, 2015, 14, 1245-1258.	3.9	17
18	Optimal Max-Min Fair Resource Allocation in Multihop Relay-Enhanced WiMAX Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 3907-3918.	3.9	15

#	ARTICLE	IF	CITATIONS
19	On the Accuracy of Pairwise Time Synchronization. IEEE Transactions on Wireless Communications, 2017, 16, 2664-2677.	6.1	14
20	RaPTEX. ACM Transactions on Sensor Networks, 2010, 7, 1-40.	2.3	12
21	Temperature compensated Kalman distributed clock synchronization. Ad Hoc Networks, 2017, 62, 88-100.	3.4	12
22	N-Body: Social Based Mobility Model for Wireless Ad Hoc Network Research. , 2010, , .		11
23	Analysis of packet loss in a large-scale DSRC field operational test. , 2016, , .		11
24	AERPAW emulation overview and preliminary performance evaluation. Computer Networks, 2021, 194, 108083.	3.2	11
25	A Lightweight Localization Solution for Small, Low Resources WSNs. Journal of Sensor and Actuator Networks, 2019, 8, 26.	2.3	9
26	Fog Radio Access Network: A New Wireless Backhaul Architecture for Small Cell Networks. IEEE Access, 2019, 7, 14150-14161.	2.6	9
27	Experimental Study of Outdoor UAV Localization and Tracking using Passive RF Sensing. , 2022, , .		9
28	Dissecting the routing architecture of self-organizing networks. IEEE Wireless Communications, 2006, 13, 98-104.	6.6	8
29	Distributed Approaches for Inter-Cell Interference Coordination in UAV-Based LTE-Advanced HetNets. , 2018, , .		8
30	Fairness Schemes in 802.16j Mobile Multihop Relay Networks. , 2010, , .		7
31	Integrated simulation and emulation using adaptive time dilation. , 2014, , .		7
32	Clearer than Mud: Extending Manufacturer Usage Description (MUD) for Securing IoT Systems. Lecture Notes in Computer Science, 2019, , 43-57.	1.0	7
33	Spectrum Reuse among Aerial and Ground Users in mmWave Cellular Networks in Urban Settings. , 2020, , .		7
34	Contact time in random walk and random waypoint: Dichotomy in tail distribution. Ad Hoc Networks, 2011, 9, 152-163.	3.4	6
35	Adaptive ad hoc self-organizing scheduling for quasi-periodic sensor network lifetime. Computer Communications, 2006, 29, 3366-3384.	3.1	5
36	Cost Effective Coverage Extension in 802.16j Mobile Multihop Relay Networks. , 2010, , .		5

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37	Characterization of RSS variability for biobot localization using 802.15.4 Radios. , 2016, , .		5
38	FPV Video Adaptation for UAV Collision Avoidance. IEEE Open Journal of the Communications Society, 2021, 2, 2095-2110.	4.4	5
39	Secure 5G Network for a Nationwide Drone Corridor. , 2021, , .		5
40	Total delay compensation in LAN control systems and implications for scheduling. International Journal of Systems Science, 2003, 34, 599-605.	3.7	4
41	Optimal resource allocation in multihop relay-enhanced WiMAX networks. , 2011, , .		4
42	N-body: A social mobility model with support for larger populations. Ad Hoc Networks, 2015, 25, 185-196.	3.4	4
43	Coverage Analysis for Ground and Aerial Users in mmWave Cellular Networks in Urban Settings. , 2020, , .		4
44	QUEUE CONTROL UNDER TIME-VARIANT DELAYS: A DISCRETE TIME SYSTEM APPROACH. Journal of Circuits, Systems and Computers, 2002, 11, 187-211.	1.0	3
45	Feasibility of optimally assigning channels by exhaustive search in a commercial multi-radio wireless mesh networks. Telecommunication Systems, 2010, 44, 171-178.	1.6	3
46	BUR-GEN: A Bursty Packet Generator for Vehicular Communication Channels. IEEE Transactions on Vehicular Technology, 2018, 67, 10232-10242.	3.9	3
47	Intelligent Interference Management in UAV-Based HetNets. Telecom, 2021, 2, 472-488.	1.6	3
48	KickLoc: Simple, Distributed Localization for Wireless Sensor Networks. , 2016, , .		2
49	Towards acoustic localization for biobotic sensor networks. , 2017, , .		2
50	The AERPAW Experiment Workflow - Considerations for Designing Usage Models for a Computing-supported Physical Research Platform. , 2022, , .		2
51	WSN13-2: Scalable OSPF Updates for MANETs. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	1
52	The effect of node synchronization times in ultra wideband wireless networks. , 2007, , .		1
53	Hybrid resource allocation scheme in two-hop relaying WiMAX networks. , 2012, , .		1
54	High-performance emulation of heterogeneous systems using adaptive time dilation. International Journal of High Performance Computing Applications, 2015, 29, 166-183.	2.4	1

#	ARTICLE	IF	CITATIONS
55	NEAT: Network link emulation with adaptive time dilation. Journal of Parallel and Distributed Computing, 2017, 104, 88-98.	2.7	1
56	Evaluating the Accuracy of Vehicular Channel Models in a Large-Scale DSRC Test. , 2017, , .		1
57	Physical Layer Performance of a Cooperative Amplify and Forward Scheme for MIMO WLANs. IEEE Transactions on Vehicular Technology, 2019, 68, 6709-6720.	3.9	1
58	The Optimum Number of OSPF Areas for MANETs. , 2007, , .		0
59	Modeling the effect of node synchronization times in ultra-wideband wireless networks. Performance Evaluation, 2009, 66, 223-239.	0.9	0
60	Optimal Placement of Transparent Relay Stations in 802.16j Mobile Multihop Relay Networks. IEICE Transactions on Communications, 2011, E94-B, 2582-2591.	0.4	0