Justin Lipman

List of Publications by Year
in descending order

63 papers	2,469 citations	471509 17 h-index	265206 42 g-index
64 all docs	64 docs citations	64 times ranked	2505 citing authors

#	Article	IF	Citations
1	Wireless Body Area Networks: A Survey. IEEE Communications Surveys and Tutorials, 2014, 16, 1658-1686.	39.4	1,178
2	Anatomy of Threats to the Internet of Things. IEEE Communications Surveys and Tutorials, 2019, 21, 1636-1675.	39.4	224
3	PrivySharing: A blockchain-based framework for privacy-preserving and secure data sharing in smart cities. Computers and Security, 2020, 88, 101653.	6.0	184
4	Software-defined wireless networking: centralized, distributed, or hybrid?. IEEE Network, 2015, 29, 32-38.	6.9	79
5	A Review on Antenna Technologies for Ambient RF Energy Harvesting and Wireless Power Transfer: Designs, Challenges and Applications. IEEE Access, 2022, 10, 17231-17267.	4.2	66
6	A Review of Routing Protocols in Wireless Body Area Networks. Journal of Networks, 2013, 8, .	0.4	64
7	Wide-angle metamaterial absorber with highly insensitive absorption for TE and TM modes. Scientific Reports, 2020, 10, 13638.	3.3	61
8	Internet of Things 2.0: Concepts, Applications, and Future Directions. IEEE Access, 2021, 9, 70961-71012.	4.2	61
9	A Hybrid-Fuzzy Logic Guided Genetic Algorithm (H-FLGA) Approach for Resource Optimization in 5G VANETs. IEEE Transactions on Vehicular Technology, 2019, 68, 6964-6974.	6.3	51
10	Energy efficient thermal and power aware (ETPA) routing in Body Area Networks. , 2012, , .		49
11	Review on Metamaterial Perfect Absorbers and Their Applications to IoT. IEEE Internet of Things Journal, 2021, 8, 4105-4131.	8.7	48
12	Miniature triâ€wideband Sierpinskiâ€"Minkowski fractals metamaterial perfect absorber. IET Microwaves, Antennas and Propagation, 2019, 13, 991-996.	1.4	30
13	A Routing Framework for Offloading Traffic From Cellular Networks to SDN-Based Multi-Hop Device-to-Device Networks. IEEE Transactions on Network and Service Management, 2018, 15, 1516-1531.	4.9	26
14	A Novel Approach for Big Data Classification and Transportation in Rail Networks. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1239-1249.	8.0	26
15	An End-to-End (E2E) Network Slicing Framework for 5G Vehicular Ad-Hoc Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 7103-7112.	6.3	22
16	Graph theory and its applications to future network planning: software-defined online small cell management. IEEE Wireless Communications, 2015, 22, 52-60.	9.0	21
17	Frost Monitoring Cyberâ€"Physical System: A Survey on Prediction and Active Protection Methods. IEEE Internet of Things Journal, 2020, 7, 6514-6527.	8.7	18
18	Polarization-Insensitive Metamaterial Absorber for Crowd Estimation Based on Electromagnetic Energy Measurements. IEEE Transactions on Antennas and Propagation, 2020, 68, 1458-1467.	5.1	17

#	Article	IF	Citations
19	Broadcast in Ad Hoc Networks. Computer Communications and Networks, 2009, , 121-150.	0.8	16
20	Highly Sensitive Differential Microwave Sensor for Soil Moisture Measurement. IEEE Sensors Journal, 2021, 21, 27458-27464.	4.7	16
21	NEIGHBOR AWARE ADAPTIVE POWER FLOODING (NAAP) IN MOBILE AD HOC NETWORKS. International Journal of Foundations of Computer Science, 2003, 14, 237-252.	1.1	15
22	Optimised relay selection for route discovery in reactive routing. Ad Hoc Networks, 2013, 11, 70-88.	5.5	15
23	Soil moisture remote sensing using SIW cavity based metamaterial perfect absorber. Scientific Reports, 2021, 11, 7153.	3.3	14
24	A Blockchain-based File-sharing System for Academic Paper Review. , 2019, , .		12
25	Toward Integrating Intelligence and Programmability in Open Radio Access Networks: A Comprehensive Survey. IEEE Access, 2022, 10, 67747-67770.	4.2	11
26	Optimizing synchronizability in networks of coupled systems. Automatica, 2020, 112, 108711.	5.0	10
27	Remote Water Salinity Sensor Using Metamaterial Perfect Absorber. IEEE Transactions on Antennas and Propagation, 2022, 70, 6785-6794.	5.1	10
28	Low-Frequency Metamaterial Absorber Using Space-Filling Curve. Journal of Electronic Materials, 2019, 48, 6451-6459.	2.2	9
29	Ultra Wideband Dual Polarization Metamaterial Absorber for 5G frequency spectrum. , 2020, , .		8
30	PLEDGE: A Proof-of-Honesty based Consensus Protocol for Blockchain-based IoT Systems. , 2020, , .		7
31	Optimal Synchronizability in Networks of Coupled Systems: Topological View. IEEE Transactions on Network Science and Engineering, 2021, 8, 1517-1530.	6.4	7
32	Intelligent and Reliable Millimeter Wave Communications for RIS-Aided Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21582-21592.	8.0	7
33	A Comprehensive Access Point Placement for IoT Data Transmission Through Train-Wayside Communications in Multi-Environment Based Rail Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 11937-11949.	6.3	6
34	Crowd Estimation Using Electromagnetic Wave Power-Level Measurements: A Proof of Concept. IEEE Transactions on Vehicular Technology, 2020, 69, 784-792.	6.3	6
35	On Cache Prefetching Strategies For Integrated Infostation-Cellular Network. Local Computer Networks (LCN), Proceedings of the IEEE Conference on, 2006, , .	0.0	5
36	On Optimising Route Discovery for Multi-interface and Power-Aware Nodes in Heterogeneous MANETs. , 2010, , .		5

#	ARTICLE	IF	CITATIONS
37	Mobility Model for Contact-Aware Data Offloading Through Train-to-Train Communications in Rail Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 597-609.	8.0	5
38	Performance analysis of multi-hop routing protocols in SDN-based wireless networks. Computers and Electrical Engineering, 2022, 97, 107393.	4.8	5
39	A multi-layered intrusion detection system for software defined networking. Computers and Electrical Engineering, 2022, 101, 108042.	4.8	5
40	PLEDGE: An IoT-oriented Proof-of-Honesty based Blockchain Consensus Protocol. , 2020, , .		4
41	Science and Technology Parks: A Futuristic Approach. IEEE Access, 2022, 10, 31981-32021.	4.2	4
42	Statistical Learning-Based Grant-Free Access for Delay-Sensitive Internet of Things Applications. IEEE Transactions on Vehicular Technology, 2022, 71, 5492-5506.	6.3	4
43	Low-profile dual-band pixelated defected ground antenna for multistandard IoT devices. Scientific Reports, 2022, 12, .	3.3	4
44	Addressing Schemes for Body Area Networks. IEEE Communications Letters, 2011, 15, 1310-1313.	4.1	3
45	Multi Objective Resource Optimisation for Network Function Virtualisation Requests. , 2018, , .		3
46	Efficient Cellular Base Stations Sleep Mode Control Using Image Matching. , 2019, , .		3
47	Mapping and Scheduling for Non-Uniform Arrival of Virtual Network Function (VNF) Requests. , 2019, , .		3
48	Mapping and Scheduling of Virtual Network Functions using Multi Objective Optimization Algorithm. , 2019, , .		3
49	Statistical Learning-Based Dynamic Retransmission Mechanism for Mission Critical Communication: An Edge-Computing Approach. , 2020, , .		3
50	Self-selection route discovery strategies for reactive routing in ad hoc networks. , 2006, , .		2
51	Hierarchical Collision-free Addressing Protocol(HCAP) for Body Area Networks. , 2011, , .		2
52	A Big Sensor Data Offloading Scheme in Rail Networks. , 2019, , .		2
53	PrivySharing: A Blockchain-based Framework for Integrity and Privacy-preserving Data Sharing in Smart Cities. , 2019, , .		2
54	A New Strategy to Improve Proactive Route Updates in Mobile Ad Hoc Networks. Eurasip Journal on Wireless Communications and Networking, 2005, 2005, 1.	2.4	1

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55	An optimised resource aware approach to information collection in ad hoc networks. Ad Hoc Networks, 2005, 3, 643-655.	5.5	1
56	Localised Minimum Spanning Tree Flooding in Ad-Hoc Networks. , 2005, , 19-37.		1
57	Optimized prophet address allocation (OPAA) for Body Area Networks. , 2011, , .		1
58	Crowd Density Mapping Based on Wi-Fi Measurements on Train Platforms. , 2018, , .		1
59	A Multi-agent Controller to enable Cognition in Software Defined Networks. , 2018, , .		1
60	Minute-wise frost prediction: An approach of recurrent neural networks. Array, 2022, 14, 100158.	4.0	1
61	Dynamic Routing Protocol Selection in Multi-Hop Device-to-Device Wireless Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 8796-8809.	6.3	1
62	Gongeroosâ€™99. Lecture Notes in Computer Science, 2000, , 572-575.	1.3	0
63	Multi-band SIW Cavity Based Metamaterial Perfect Absorber. , 2021, , .		0