Joseph Camp

List of Publications by Year
in descending order

64 papers	953 citations	1163117 8 h-index	752698 20 g-index
64 all docs	64 docs citations	64 times ranked	712 citing authors

#	Article	IF	Citations
1	Measurement driven deployment of a two-tier urban mesh access network. , 2006, , .		163
2	The IEEE 802.11s Extended Service Set Mesh Networking Standard. IEEE Communications Magazine, 2008, 46, 120-126.	6.1	160
3	Modulation Rate Adaptation in Urban and Vehicular Environments: Cross-Layer Implementation and Experimental Evaluation. IEEE/ACM Transactions on Networking, 2010, 18, 1949-1962.	3.8	88
4	Modulation rate adaptation in urban and vehicular environments. , 2008, , .		86
5	WARP. Mobile Computing and Communications Review, 2008, 12, 56-58.	1.7	85
6	Measurement-based characterization of LOS and NLOS drone-to-ground channels. , 2018, , .		31
7	A Flexible Framework for Wireless Medium Access Protocols. , 2006, , .		24
8	iBeam: Intelligent client-side multi-user beamforming in wireless networks. , 2014, , .		19
9	Developing and Deploying Multihop Wireless Networks for Low-Income Communities. Journal of Urban Technology, 2006, 13, 129-137.	4.7	18
10	Opportunistic Channel Access Using Reinforcement Learning in Tiered CBRS Networks. , 2018, , .		18
11	SAMU: Design and implementation of selectivity-aware MU-MIMO for wideband WiFi. , 2015, , .		17
12	Experimentally Analyzing Diverse Antenna Placements and Orientations for UAV Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 14989-15004.	6.3	16
13	UABeam: UAV-Based Beamforming System Analysis with In-Field Air-to-Ground Channels. , 2018, , .		14
14	RAIK: Regional analysis with geodata and crowdsourcing to infer key performance indicators. , 2018, , .		14
15	Enabling a â€œUse-or-Shareâ€•Framework for PALâ€“GAA Sharing in CBRS Networks via Reinforcement Learning. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 716-729.	7.9	12
16	Experimental Evaluation of Antenna Polarization and Elevation Effects on Drone Communications. , 2019, , .		12
17	Wireless Networking Testbed and Emulator (WiNeTestEr). Computer Communications, 2016, 73, 99-107.	5.1	10
18	Building and Simulating Multi-Dimensional Drone Topologies. , 2020, , .		10

#	Article	IF	Citations
19	A global measurement study of context-based propagation and user mobility. , 2012, , .		9
20	WhiteCell: Energy-efficient use of unlicensed frequency bands for cellular offloading. , 2015, , .		9
21	Towards Massive MIMO Channel Emulation: Channel Accuracy Versus Implementation Resources. IEEE Transactions on Vehicular Technology, 2020, 69, 4635-4651.	6.3	9
22	Leveraging diverse propagation and context for multi-modal vehicular applications. , 2013, , .		8
23	A measurement study of white spaces across diverse population densities. , 2014, , .		8
24	Building UAV-Based Testbeds for Autonomous Mobility and Beamforming Experimentation. , 2018, , .		8
25	Design and experimental evaluation of context-aware link-level adaptation. , 2012, , .		7
26	Weibull and Suzuki fading channel generator design to reduce hardware resources. , 2013, , .		7
27	Coupled 802.11 Flows in Urban Channels: Model and Experimental Evaluation. , 2010, , .		6
28	ASTRA: Application of sequential training to rate adaptation. , 2012, , .		6
29	An Autoregressive Doppler Spread Estimator for Fading Channels. IEEE Wireless Communications Letters, 2013, 2, 655-658.	5.0	6
30	Channel Reciprocity Analysis and Feedback Mechanism Design for Mobile Beamforming Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 6029-6043.	6.3	6
31	Full Duplex Multiuser MIMO MAC Protocol (FD-MUMAC). , 2020, , .		6
32	Towards scalable network emulation: Channel accuracy versus implementation resources. , 2013, , .		5
33	WhiteMesh: Leveraging white spaces in wireless mesh networks. , 2016, , .		5
34	Pre-crowdsourcing: Predicting wireless propagation with phone-based channel quality measurements. Computer Communications, 2018, 132, 96-110.	5.1	4
35	Machine Learning Enhanced Channel Selection for Unlicensed LTE. , 2019, , .		4
36	Implementation and evaluation of channel estimation and phase tracking for vehicular networks. , 2013, , .		3

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37	GreenLoading: Using the citizens band radio for energy-efficient offloading of shared interests. Computer Communications, 2019, 144, 66-75.	5.1	3
38	NOMA Enabled Computation and Communication Resource Trade-off for Mobile Edge Computing. , 2021, , .		3
39	LAIK: Location-Specific Analysis to Infer Key Performance Indicators. IEEE Transactions on Vehicular Technology, 2021, 70, 4406-4418.	6.3	3
40	NOMA-Enabled Computation and Communication Resource Trading for a Multi-User MEC System. IEEE Transactions on Vehicular Technology, 2022, 71, 7532-7547.	6.3	3
41	Coupled 802.11 Flows in Urban Channels: Model and Experimental Evaluation. IEEE/ACM Transactions on Networking, 2012, 20, 1452-1465.	3.8	2
42	Outlier detection for training-based adaptive protocols. , 2013, , .		2
43	Analysis and experimental evaluation of rate adaptation with transmit buffer information. , 2013, , .		2
44	CIPRA: Coherence-aware channel indication and prediction for rate adaptation. , 2013, , .		2
45	Analysis and experimental evaluation of rate adaptation with transmit buffer information. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	2
46	Effect of Antenna Orientation on the Air-to-Air Channel in Arbitrary 3D Space. , 2021, , .		2
47	Characterization of the Human Body Impact on UAV-to-Ground Channels at Ultra-Low Altitudes. IEEE Transactions on Vehicular Technology, 2022, 71, 339-353.	6.3	2
48	Rate Maximization in a UAV Based Full-Duplex Multi-User Communication Network Using Multi-Objective Optimization. Electronics (Switzerland), 2022, 11, 401.	3.1	2
49	Leveraging UAV Rotation To Increase Phase Coherency in Distributed Transmit Beamforming. , 2022, , .		2
50	Measurement-based Characterization of Human Body Impact on Ultra-low UAV-to-Ground Channels. , 2021, , .		2
51	FIT: On-the-fly, in-situ training with sensor data for SNR-based rate selection. , 2015, , .		1
52	Geometry-based channel recognition for context-aware applications. , 2016, , .		1
53	A Measurement Study of User-Induced Propagation Effects for UHF Frequency Bands. , 2017, , .		1
54	Pre-Crowdsourcing. , 2017, , .		1

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55	A Measurement Study of User-Induced Propagation Effects for UHF Frequency Bands. , 2017, , .		1
56	GreenLoading. , 2018, , .		1
57	Architecture and experimental evaluation of context-aware adaptation in vehicular networks. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	2.4	1
58	An Experiment-Based Comparison between Fully Digital and Hybrid Beamforming Radio Architectures for Many-Antenna Full-Duplex Wireless Communication. Electronics (Switzerland), 2022, 11, 59.	3.1	1
59	GeoRIPE. , 2017, , .		0
60	SAMU: design and implementation of frequency selectivity-aware multi-user MIMO for WLANs. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	2.4	0
61	Design of coherence-aware channel indication and prediction for rate adaptation. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	0
62	FIT: On-the-Fly, In-Situ Training for SNR-Based Rate Selection. IEEE Transactions on Vehicular Technology, 2020, 69, 11295-11307.	6.3	0
63	OneLNK. , 2022, , .		0
64	Update on ACM SIGCOMM CCR reviewing process. Computer Communication Review, 2020, 50, 55-56.	1.8	0