

Murat YÃœksel

List of Publications by Year in descending order

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75
papers

936
citations

758635

12
h-index

642321

23
g-index

75
all docs

75
docs citations

75
times ranked

875
citing authors

#	ARTICLE	IF	CITATIONS
1	LIGHTNETs: Smart LIGHTing and Mobile Optical Wireless NETworks â€” A Survey. IEEE Communications Surveys and Tutorials, 2013, 15, 1620-1641.	24.8	136
2	Hybrid 3-D Localization for Visible Light Communication Systems. Journal of Lightwave Technology, 2015, 33, 4589-4599.	2.7	81
3	AOA-based localization and tracking in multi-element VLC systems. , 2015, , .		58
4	Multi-Element VLC Networks: LED Assignment, Power Control, and Optimum Combining. IEEE Journal on Selected Areas in Communications, 2018, 36, 121-135.	9.7	43
5	Large-Scale Network Parameter Configuration Using an On-Line Simulation Framework. IEEE/ACM Transactions on Networking, 2008, 16, 777-790.	2.6	40
6	Multi-element Free-Space-Optical spherical structures with intermittent connectivity patterns. , 2008, , .		34
7	Limited Scale-Free Overlay Topologies for Unstructured Peer-to-Peer Networks. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 667-679.	4.0	34
8	QoS-Based Budget Constrained Stable Task Assignment in Mobile Crowdsensing. IEEE Transactions on Mobile Computing, 2021, 20, 3194-3210.	3.9	32
9	Coverage-Aware Stable Task Assignment in Opportunistic Mobile Crowdsensing. IEEE Transactions on Vehicular Technology, 2021, 70, 3831-3845.	3.9	29
10	Scale-Free Overlay Topologies with Hard Cutoffs for Unstructured Peer-to-Peer Networks. , 2007, , .		21
11	A Software-Defined Multi-Element VLC Architecture. , 2018, 56, 196-203.		20
12	Trajectory Optimization for Multiple UAVs Acting as Wireless Relays. , 2018, , .		20
13	An Internet-Inspired Proportional Fair EV Charging Control Method. IEEE Systems Journal, 2019, 13, 4292-4302.	2.9	19
14	Automatic realignment with electronic steering of free-space-optical transceivers in MANETs: A proof-of-concept prototype. Ad Hoc Networks, 2013, 11, 585-595.	3.4	18
15	Multi-Element Transmitter Design and Performance Evaluation for Visible Light Communication. , 2015, , .		17
16	Pervasive spectrum sharing for public safety communications. , 2016, 54, 22-29.		17
17	Maintaining a free-space-optical communication link between two autonomous mobiles. , 2014, , .		16
18	GPS-Free Maintenance of A Free-Space-Optical Link Between Two Autonomous Mobiles. IEEE Transactions on Mobile Computing, 2017, 16, 1644-1657.	3.9	16

#	ARTICLE	IF	CITATIONS
19	Empirical Modeling and Analysis of Water-to-Air Optical Wireless Communication Channels. , 2019, , .		16
20	Accuracy of AOA-Based and RSS-Based 3D Localization for Visible Light Communications. , 2015, , .		15
21	Energy Efficient D2D Communications Using Multiple UAV Relays. IEEE Transactions on Communications, 2021, 69, 5337-5351.	4.9	15
22	Proof of Sharing in Inter-Operator Spectrum Sharing Markets. , 2018, , .		13
23	Comprehensive Design and Prototype of VLC Receivers With Large Detection Areas. Journal of Lightwave Technology, 2020, 38, 4187-4204.	2.7	13
24	Six Degrees of Separation among US Researchers. , 2012, , .		11
25	Multi Path Considerations for Anonymized Routing: Challenges and Opportunities. , 2012, , .		11
26	SDN-based load balancing for multi-path TCP. , 2018, , .		11
27	Optimization of SINR and Illumination Uniformity in Multi-LED Multi-Datastream VLC Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 1108-1121.	4.9	11
28	Regulating Freeriding in Inter-Operator Spectrum Sharing. , 2018, , .		10
29	Analysis of Decentralized AIMD-based EV Charging Control. , 2019, , .		10
30	Performance Analysis of Air-to-Water Optical Wireless Communication Using SPADs. , 2019, , .		9
31	Training network administrators in a game-like environment. Journal of Network and Computer Applications, 2015, 53, 14-23.	5.8	8
32	On the Evolution of Wireless Communication Technologies and Spectrum Sharing for Public Safety: Policies and Practice. Risk, Hazards and Crisis in Public Policy, 2016, 7, 129-145.	1.4	8
33	Incentivizing spectrum sharing via subsidy regulations for future wireless networks. Computer Networks, 2018, 135, 132-146.	3.2	8
34	Analysis of an Internet-Inspired EV Charging Network in a Distribution Grid. , 2018, , .		7
35	UAV-Direct. , 2018, , .		7
36	Probabilistic Trans-Algorithmic search for automated network management and configuration. , 2010, , .		6

#	ARTICLE	IF	CITATIONS
37	Fostering wireless spectrum sharing via subsidization. , 2013, , .		6
38	Optimal multi-element VLC bulb design with power and lighting quality constraints. , 2016, , .		6
39	LOS discovery in 3D for highly directional transceivers. , 2016, , .		5
40	A device-to-device service sharing middleware for heterogeneous wireless networks. , 2016, , .		5
41	Peering Among Content-Dominated Vertical ISPs. IEEE Networking Letters, 2019, 1, 132-135.	1.5	5
42	On Correlating ISP Topologies to Their Businesses. , 2018, , .		4
43	Government Reward Models for Inter-Operator Spectrum Sharing. , 2019, , .		4
44	Decentralized Additive Increase and Multiplicative Decrease-Based Electric Vehicle Charging. IEEE Systems Journal, 2021, 15, 4272-4280.	2.9	4
45	A Machine Learning Approach for Understanding Power Distribution System Congestion. , 2020, , .		4
46	Polycentric Governance and Decentralized Decision-Making for Pervasive Spectrum Sharing. International Journal of Public Administration, 2023, 46, 659-668.	1.4	4
47	Analysis of academic ties: A case study of Mathematics Genealogy. , 2011, , .		3
48	Network Configuration and Management via Two-Phase Online Optimization. , 2011, , .		3
49	Virtual Direction Multicast for Overlay Networks. , 2011, , .		3
50	CAR: Cloud-Assisted Routing. , 2016, , .		3
51	A Prototype of In-Band Full-Duplex Free-Space Optical Transceiver. , 2018, , .		3
52	Conformal VLC Receivers with Photodetector Arrays: Design, Analysis and Prototype. , 2019, , .		3
53	In-band LOS discovery using highly directional transceivers. Ad Hoc Networks, 2019, 91, 101875.	3.4	3
54	A Game-Theoretic Framework to Regulate Freeriding in Inter-Provider Spectrum Sharing. IEEE Transactions on Wireless Communications, 2021, 20, 3941-3957.	6.1	3

#	ARTICLE	IF	CITATIONS
55	Multi-element full-duplex FSO transceiver design using optimum tiling. Optics Communications, 2021, 501, 127377.	1.0	3
56	Network management game. , 2011, , .		2
57	Roadmap-based end-to-end traffic engineering for multi-hop wireless networks. , 2014, , .		2
58	On the Break-Even Point between Cloud-Assisted and Legacy Routing (Short Paper). , 2016, , .		2
59	Mobile Proof-of-Sharing Architectures for Inter-Operator Spectrum Sharing Markets. , 2019, , .		2
60	Weather-limited in-band full-duplex transceiver model for free-space optical communication. Optical Engineering, 2020, 59, 1.	0.5	2
61	Wireless communication and spectrum sharing for public safety in the United States. Journal of Emergency Management, 2016, 14, 167-176.	0.2	2
62	On the Packet Header Size and Network State Tradeoff for Trajectory-Based Routing in Wireless Networks. , 2006, , .		1
63	Virtual distance: A generalized metric for overlay tree construction. , 2012, , .		1
64	In-band autonomous maintenance of mobile Free-Space-Optical links: A prototype. , 2016, , .		1
65	Engaging Communities in Public Safety via Social Media. , 2019, , .		1
66	A Distributed SDN Application for Cross-Institution Data Access. , 2019, , .		1
67	Challenges and Opportunities in Utilizing IoT-Based Stress Maps as a Community Mood Detector. , 2019, , .		1
68	Regulations and Strategies in Subsidy-based Spectrum Sharing Markets. , 2019, , .		1
69	Application Level Quality Measurement of Heterogeneous Device-to-Device Links. , 2020, , .		1
70	Multi-LED multi-datastream dome bulb for dense visible light communication networks. , 2020, , .		1
71	A Multi-LED Dome Bulb Prototype for Dense Visible Light Communication Networks. Journal of Lightwave Technology, 2022, 40, 4621-4634.	2.7	1
72	Ad Hoc Limited Scale-Free Models for Unstructured Peer-to-Peer Networks. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
73	Meta-headers: Top-down networking architecture with application-specific constraints. , 2010, , .		0
74	Blind Detection of Digital Signals in MIMO Communication. , 2022, , .		0
75	Distance Vector Routing in Partitioned Networks. , 2022, , .		0