Murat Yksel

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61 papers	611 citations	12 h-index	22 g-index
75 ext. papers	785 ext. citations	5.5 avg, IF	4.36 L-index

#	Paper	IF	Citations
61	LIGHTNETs: Smart LIGHTing and Mobile Optical Wireless NETworks A Survey. *IEEE Communications Surveys and Tutorials*, **2013**, 15, 1620-1641	37.1	103
60	Hybrid 3-D Localization for Visible Light Communication Systems. *Journal of Lightwave Technology*, **2015**, 33, 4589-4599	4	63
59	AOA-based localization and tracking in multi-element VLC systems **2015**,		43
58	Multi-Element VLC Networks: LED Assignment, Power Control, and Optimum Combining. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 121-135	14.2	32
57	Large-Scale Network Parameter Configuration Using an On-Line Simulation Framework. *IEEE/ACM Transactions on Networking*, **2008**, 16, 777-790	3.8	32
56	Limited Scale-Free Overlay Topologies for Unstructured Peer-to-Peer Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2009**, 20, 667-679	3.7	26
55	Multi-element Free-Space-Optical spherical structures with intermittent connectivity patterns **2008** ,		25
54	**2018**,		16
53	Automatic realignment with electronic steering of free-space-optical transceivers in MANETs: A proof-of-concept prototype. *Ad Hoc Networks*, **2013**, 11, 585-595	4.8	15
52	Scale-Free Overlay Topologies with Hard Cutoffs for Unstructured Peer-to-Peer Networks **2007**,		14
51	Pervasive spectrum sharing for public safety communications **2016**, 54, 22-29		13
50	A Software-Defined Multi-Element VLC Architecture **2018**, 56, 196-203		12
49	Multi-Element Transmitter Design and Performance Evaluation for Visible Light Communication **2015**,		12
48	GPS-Free Maintenance of A Free-Space-Optical Link Between Two Autonomous Mobiles. *IEEE Transactions on Mobile Computing*, **2017**, 16, 1644-1657	4.6	12
47	Empirical Modeling and Analysis of Water-to-Air Optical Wireless Communication Channels **2019**,		10
46	Maintaining a free-space-optical communication link between two autonomous mobiles **2014**,		10
45	QoS-Based Budget Constrained Stable Task Assignment in Mobile Crowdsensing. *IEEE Transactions on Mobile Computing*, **2020**, 1-1	4.6	9

44	Accuracy of AOA-Based and RSS-Based 3D Localization for Visible Light Communications **2015**,		9
43	Six Degrees of Separation among US Researchers **2012**,		9
42	Multi Path Considerations for Anonymized Routing: Challenges and Opportunities **2012**,		9
41	Proof of Sharing in Inter-Operator Spectrum Sharing Markets **2018**,		9
40	Coverage-Aware Stable Task Assignment in Opportunistic Mobile Crowdsensing. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 3831-3845	6.8	8
39	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	3	8
38	Comprehensive Design and Prototype of VLC Receivers With Large Detection Areas. *Journal of Lightwave Technology*, **2020**, 38, 4187-4204	4	8
37	Optimization of SINR and Illumination Uniformity in Multi-LED Multi-Datastream VLC Networks. *IEEE Transactions on Cognitive Communications and Networking*, **2020**, 6, 1108-1121	6.6	6
36	Incentivizing spectrum sharing via subsidy regulations for future wireless networks. *Computer Networks*, **2018**, 135, 132-146	5.4	6
35	SDN-based load balancing for multi-path TCP **2018**,		6
34	Fostering wireless spectrum sharing via subsidization **2013**,		6
33	Probabilistic Trans-Algorithmic search for automated network management and configuration **2010**,		6
32	Performance Analysis of Air-to-Water Optical Wireless Communication Using SPADs **2019**,		6
31	An Internet-Inspired Proportional Fair EV Charging Control Method. *IEEE Systems Journal*, **2019**, 13, 4292-4302	4.3	5
30	Training network administrators in a game-like environment. *Journal of Network and Computer Applications*, **2015**, 53, 14-23	7.9	5
29	Optimal multi-element VLC bulb design with power and lighting quality constraints **2016**,		5
28	Analysis of an Internet-Inspired EV Charging Network in a Distribution Grid **2018**,		5
27	UAV-Direct **2018**,		4

26	LOS discovery in 3D for highly directional transceivers **2016**,		4
25	Regulating Freeriding in Inter-Operator Spectrum Sharing **2018**,		4
24	Conformal VLC Receivers with Photodetector Arrays: Design, Analysis and Prototype **2019**,		3
23	In-band LOS discovery using highly directional transceivers. *Ad Hoc Networks*, **2019**, 91, 101875	4.8	2
22	Roadmap-based end-to-end traffic engineering for multi-hop wireless networks **2014**,		2
21	Network management game **2011**,		2
20	Analysis of academic ties: A case study of Mathematics Genealogy **2011**,		2
19	Network Configuration and Management via Two-Phase Online Optimization **2011**,		2
18	Wireless communication and spectrum sharing for public safety in the United States. *Journal of Emergency Management*, **2016**, 14, 167-76	0.7	2
17	Analysis of Decentralized AIMD-based EV Charging Control **2019**,		2
16	Decentralized Additive Increase and Multiplicative Decrease-Based Electric Vehicle Charging. *IEEE Systems Journal*, **2021**, 15, 4272-4280	4.3	2
15	On Correlating ISP Topologies to Their Businesses **2018**,		2
14	CAR: Cloud-Assisted Routing **2016**,		1
13	Peering Among Content-Dominated Vertical ISPs. *IEEE Networking Letters*, **2019**, 1, 132-135	2.8	1
12	On the Packet Header Size and Network State Tradeoff for Trajectory-Based Routing in Wireless Networks **2006**,		1
11	Weather-limited in-band full-duplex transceiver model for free-space optical communication. *Optical Engineering*, **2020**, 59, 1	1.1	1
10	Multi-LED multi-datastream dome bulb for dense visible light communication networks **2020**,		1
9	On the Break-Even Point between Cloud-Assisted and Legacy Routing (Short Paper) **2016**,		1

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8	Engaging Communities in Public Safety via Social Media **2019**,		1
7	Regulations and Strategies in Subsidy-based Spectrum Sharing Markets **2019**,		1
6	A Prototype of In-Band Full-Duplex Free-Space Optical Transceiver **2018**,		1
5	. *IEEE Transactions on Communications*, **2021**, 69, 5337-5351	6.9	1
4	Polycentric Governance and Decentralized Decision-Making for Pervasive Spectrum Sharing. *International Journal of Public Administration*,1-10	1.7	1
3	A Game-Theoretic Framework to Regulate Freeriding in Inter-Provider Spectrum Sharing. *IEEE Transactions on Wireless Communications*, **2021**, 20, 3941-3957	9.6	0
2	Multi-element full-duplex FSO transceiver design using optimum tiling. *Optics Communications*, **2021**, 501, 127377	2	0
1	A Multi-LED Dome Bulb Prototype for Dense Visible Light Communication Networks. *Journal of Lightwave Technology*, **2022**, 1-1	4	0