Miquel Oliver

List of Publications by Year
in descending order

50 papers	901 citations	759233 12 h-index	501196 28 g-index
53 all docs	53 docs citations	53 times ranked	1053 citing authors

#	Article	IF	Citations
1	IEEE 802.11AH: the WiFi approach for M2M communications. IEEE Wireless Communications, 2014, 21, 144-152.	9.0	208
2	CUIDATS: An RFIDâ€“WSN hybrid monitoring system for smart health care environments. Future Generation Computer Systems, 2018, 78, 602-615.	7.5	114
3	Challenges for Connecting Citizens and Smart Cities: ICT, E-Governance and Blockchain. Sustainability, 2020, 12, 2926.	3.2	87
4	MU-MIMO MAC Protocols for Wireless Local Area Networks: A Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 162-183.	39.4	77
5	On the Performance of Packet Aggregation in IEEE 802.11ac MU-MIMO WLANs. IEEE Communications Letters, 2012, 16, 1588-1591.	4.1	63
6	Public Open Sensor Data: Revolutionizing Smart Cities. IEEE Technology and Society Magazine, 2013, 32, 50-56.	0.8	39
7	Towards a Collision-Free WLAN: Dynamic Parameter Adjustment in CSMA/E2CA. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	2.4	25
8	Modelling and Enhancing Full-Duplex MAC for Single-Hop 802.11 Wireless Networks. IEEE Wireless Communications Letters, 2015, 4, 349-352.	5.0	22
9	Blockchain Enablers for Supply Chains: How to Boost Implementation in Industry. IEEE Access, 2020, 8, 209699-209716.	4.2	22
10	Performance analysis of IEEE 802.11ac wireless backhaul networks in saturated conditions. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	19
11	Mobility, Citizens, Innovation and Technology in Digital and Smart Cities. Future Internet, 2020, 12, 22.	3.8	19
12	Future evolution of CSMA protocols for the IEEE 802.11 standard. , 2013, , .		15
13	Design of a generic management system for wireless sensor networks. Ad Hoc Networks, 2014, 20, 16-35.	5.5	13
14	A space-time batch-service queueing model for multi-user MIMO communication systems. , 2009, , .		12
15	Uni-MUMAC: a unified down/up-link MU-MIMO MAC protocol for IEEE 802.11ac WLANs. Wireless Networks, 2015, 21, 1457-1472.	3.0	11
16	Carrier sense multiple access with enhanced collision avoidance. , 2009, , .		10
17	Internal logistics flow simulation: A case study in automotive industry. Journal of Simulation, 2022, 16, 204-216.	1.5	10
18	Wireless Commons against the digital divide. , 2010, , .		9

#	Article	IF	Citations
19	Quantitative analysis of the hidden terminal problem in preamble sampling WSNs. Ad Hoc Networks, 2012, 10, 19-36.	5.5	9
20	Adaptive Admission Control Mechanism for IEEE 802.11e WLANs. , 2007, , .		8
21	Blockchain-Based Information Management for Supply Chain Data-Platforms. Applied Sciences (Switzerland), 2021, 11, 8161.	2.5	8
22	Dynamic Parameter Adjustment in CSMA/ECA. Lecture Notes in Computer Science, 2010, , 13-24.	1.3	8
23	DCF/DSDMA: Enhanced DCF with SDMA downlink transmissions for WLANs. , 2011, , .		7
24	Taking Advantage of Overhearing in Low Power Listening WSNs: A Performance Analysis of the LWT-MAC Protocol. Mobile Networks and Applications, 2011, 16, 613-628.	3.3	7
25	DCF/USDMA: Enhanced DCF for uplink SDMA transmissions in WLANs. , 2012, , .		7
26	An Approximate Queueing Model for Multi-Rate Multi-User MIMO Systems. IEEE Communications Letters, 2011, 15, 392-394.	4.1	6
27	A BEB-Based Admission Control for VoIP Calls in WLAN with Coexisting Elastic TCP Flows. Lecture Notes in Computer Science, 2006, , 130-141.	1.3	6
28	On the distributed construction of a collision-free schedule in multi-hop packet radio networks. Telecommunication Systems, 2014, 56, 285-298.	2.5	5
29	A Guidance for Blockchain-Based Digital Transition in Supply Chains. Applied Sciences (Switzerland), 2021, 11, 6523.	2.5	5
30	Analytical model of the LPL with wake up after transmissions MAC protocol for WSNs. , 2009, , .		4
31	Wireless Open Access Networks: State-of-the-Art and Technological Opportunities. , 2009, , .		4
32	Performance optimization of multiple interconnected heterogeneous sensor networks via collaborative information sharing. Journal of Ambient Intelligence and Smart Environments, 2013, 5, 403-413.	1.4	4
33	Performance analysis of a Multiuser Multi-Packet Transmission system for WLANs in non-saturation conditions. Computer Networks, 2014, 60, 88-100.	5.1	4
34	MOOCs en CataluÃ±a: un instrumento para la innovaciÃ³n en educaciÃ³n superior. EducaciÃ³n XXI, 2015, 18, .	0.8	4
35	Sensor Information Fueling Open Data. , 2012, , .		3
36	DISON: A Self-organizing Network Management Framework for Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 149-163.	0.3	3

#	Article	IF	Citations
37	Citizens and Information and Communication Technologies. , 2018, , .		3
38	Digital Cities and Emerging Technologies. Urban Computing, 2019, , 197-207.	0.9	3
39	An upper-bound queueing model for Multi-rate Downlink SDMA systems. , 2010, , .		2
40	Hierarchical Range Sectoring and Bidirectional Link Quality Estimation for on-demand collections in WSNs. Ad Hoc Networks, 2013, 11, 894-906.	5.5	2
41	Towards Blockchain for Decentralized Self-Organizing Wireless Networks. , 2019, , .		2
42	Receiver-Initiated vs. Short-Preamble Burst MAC Approaches for Multi-channel Wireless Sensor Networks. Lecture Notes in Computer Science, 2012, , 23-32.	1.3	2
43	No Ack in IEEE 802.11e Single-Hop Ad-Hoc VoIP Networks. International Federation for Information Processing, 2008, , 157-166.	0.4	2
44	The Role of the Queueing Process in the Performance of Downlink SDMA Systems. Wireless Personal Communications, 2012, 65, 909-927.	2.7	1
45	A Distributed Ledger-Enabled Interworking Model for the Wireless Air Interface. , 2019, , .		1
46	White Spaces in UHF Band: Catalonia Case Study and Impact of the Digital Dividend. Lecture Notes in Computer Science, 2012, , 33-40.	1.3	1
47	Policy-Based QoS Pro ision in WLAN Hotspots. Wireless Networks and Mobile Communications, 2008, , 27-55.	1.0	0
48	Collision-Free Operation in Wireless Ad-Hoc Networks. Lecture Notes in Computer Science, 2011, , 51-62.	1.3	0
49	Mercury: Revealing Hidden Interconnections Between Access ISPs and Content Providers. Lecture Notes in Computer Science, 2014, , 147-159.	1.3	0
50	The Impact of Content Delivery Networks on the Internet Ecosystem. Journal of Information Policy, 2013, 3, 304-330.	1.2	0