

Daniele Tarchi

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.

120
papers

961
citations

16
h-index

24
g-index

142
ext. papers

1,279
ext. citations

3.3
avg, IF

4.7
L-index

#	Paper	IF	Citations
120	Adaptive modulation and coding techniques for OFDMA systems. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 4876-4883	9.6	47
119	A Unified Urban Mobile Cloud Computing Offloading Mechanism for Smart Cities 2017 , 55, 30-37		44
118	Adaptive subcarrier allocation schemes for wireless ofdma systems in wimax networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2009 , 27, 217-225	14.2	43
117	. <i>IEEE Wireless Communications</i> , 2008 , 15, 8-14	13.4	40
116	Satellite-enabled LTE systems in LEO constellations 2017 ,		35
115	Centralized and Distributed Architectures for Energy and Delay Efficient Fog Network-Based Edge Computing Services. <i>IEEE Transactions on Green Communications and Networking</i> , 2019 , 3, 250-263	4	33
114	. <i>Proceedings of the IEEE</i> , 2018 , 106, 738-760	14.3	31
113	Next generation grids and wireless communication networks: towards a novel integrated approach. <i>Wireless Communications and Mobile Computing</i> , 2009 , 9, 445-467	1.9	26
112	Multi-Objective Computation Sharing in Energy and Delay Constrained Mobile Edge Computing Environments. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 20, 2992-3005	4.6	25
111	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2017 , 53, 2344-2358	3.7	21
110	An Energy and Delay-Efficient Partial Offloading Technique for Fog Computing Architectures 2017 ,		21
109	Cognitive approaches to enhance spectrum availability for satellite systems. <i>International Journal of Satellite Communications and Networking</i> , 2017 , 35, 407-442	1.7	20
108	Future trends in broadband satellite communications: information centric networks and enabling technologies. <i>International Journal of Satellite Communications and Networking</i> , 2015 , 33, 473-490	1.7	18
107	An interference estimation technique for Satellite cognitive radio systems 2015 ,		18
106	Technical Challenges for Cognitive Radio Application in Satellite Communications 2014 ,		17
105	A partial offloading technique for wireless mobile cloud computing in smart cities 2014 ,		16
104	Quality of Service Management in IEEE 802.16 Wireless Metropolitan Area Networks 2006 ,		16

103	Statistical Modeling of Spectrum Sensing Energy in Multi-Hop Cognitive Radio Networks. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 356-360	3.2	13
102	Optimal auction for delay and energy constrained task offloading in mobile edge computing. <i>Computer Networks</i> , 2020 , 183, 107527	5.4	13
101	An Energy-Aware Offloading Clustering Approach (EAOCA) in fog computing 2017 ,		12
100	A novel communication infrastructure for emergency management: the In.Sy.Eme. vision. <i>Wireless Communications and Mobile Computing</i> , 2010 , 10, 1672-1681	1.9	12
99	Efficient Adaptive Modulation and Coding Techniques for WiMAX Systems 2008 ,		12
98	2008 ,		12
97	Impact of Interdisciplinary Research on Planning, Running, and Managing Electromobility as a Smart Grid Extension. <i>IEEE Access</i> , 2015 , 3, 2281-2305	3.5	11
96	A neural network for constrained optimization with application to CDMA communication systems. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2003 , 50, 484-487		11
95	A link adaptation strategy for QoS support in IEEE 802.11e-based WLANs		11
94	Cognitive radio scenarios for satellite communications 2015 , 303-336		10
93	Supporting Mobile Cloud Computing in Smart Cities via Randomized Algorithms. <i>IEEE Systems Journal</i> , 2018 , 12, 1598-1609	4.3	10
92	A cluster based computation offloading technique for mobile cloud computing in smart cities 2016 ,		10
91	Energy efficient routing algorithms for application to agro-food wireless sensor networks		10
90	2013 ,		9
89	Proposal of a cognitive based MAC protocol for M2M environments 2013 ,		9
88	A user-satisfaction based offloading technique for smart city applications 2014 ,		9
87	. <i>IEEE Wireless Communications</i> , 2005 , 12, 21-27	13.4	9
86	2014 ,		8

85	Impulse noise mitigation techniques for xDSL systems in a real environment. <i>IEEE Transactions on Consumer Electronics</i> , 2010 , 56, 2106-2114	4.8	8
84	. <i>Journal of Communications and Networks</i> , 2006 , 8, 369-377	4.1	8
83	Mobile Edge Computing Partial Offloading Techniques for Mobile Urban Scenarios 2018 ,		8
82	Spectrum awareness and exploitation for Cognitive Radio Satellite Communications 2015 ,		7
81	A control and data plane split approach for partial offloading in mobile fog networks 2018 ,		7
80	Adaptive coding and modulation techniques for next generation hand-held mobile satellite communications 2013 ,		7
79	Cognitive hybrid satellite-terrestrial systems 2011 ,		7
78	Adaptive scheduling algorithms for multimedia traffic in wireless OFDMA systems. <i>Physical Communication</i> , 2009 , 2, 228-234	2.2	7
77	2005 , 43, 95-100		7
76	An energy harvesting solution for computation offloading in Fog Computing networks. <i>Computer Communications</i> , 2020 , 160, 577-587	5.1	7
75	Computation Offloading in Heterogeneous Vehicular Edge Networks: On-line and Off-policy Bandit Solutions. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	7
74	Smart meters density effects on the number of collectors in a Smart Grid 2015 ,		6
73	System capacity evaluation of DVB-S2X based medium earth orbit satellite network operating at Ka band 2016 ,		6
72	Performance improvement techniques for the DVB-RCS2 return link air interface. <i>International Journal of Satellite Communications and Networking</i> , 2015 , 33, 371-390	1.7	6
71	Novel link adaptation for TETRA cellular systems. <i>International Journal of Communication Systems</i> , 2009 , 22, 483-501	1.7	6
70	A Novel Cognitive Networking Scenario for IEEE 802.16 Networks 2009 ,		6
69	A Neural Network-Based Blind Multiuser Receiver for DS-SS Communication Systems. <i>Wireless Personal Communications</i> , 2003 , 27, 195-213	1.9	6
68	Agile optimization for a real-time facility location problem in Internet of Vehicles networks. <i>Networks</i> ,	1.6	6

67	Convolutional Neural Networks for Flexible Payload Management in VHTS Systems. <i>IEEE Systems Journal</i> , 2021 , 15, 4675-4686	4.3	6
66	A simheuristic algorithm for video streaming flows optimisation with QoS threshold modelled as a stochastic single-allocation p-hub median problem. <i>Journal of Simulation</i> , 1-14	1.9	6
65	An M2M cognitive MAC protocol for overlaid OFDMA environments. <i>Transactions on Emerging Telecommunications Technologies</i> , 2017 , 28, e2955	1.9	5
64	Adaptive network coding schemes for satellite communications 2016 ,		5
63	Adaptive coding and modulation techniques for mobile satellite communications: A state estimation approach 2012 ,		5
62	A Novel Routing Algorithm for Mobile Pervasive Computing 2010 ,		5
61	2007 ,		5
60	Efficient scheduling techniques for high data-rate wireless personal area networks. <i>International Journal of Sensor Networks</i> , 2007 , 2, 128	0.8	5
59	A MAC technique for CDMA based ad-hoc networks		5
58	Energy Efficient Uplink Transmission in Cooperative mmWave NOMA Networks with Wireless Power Transfer. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	5
57	A Real-Time Energy-Saving Mechanism in Internet of Vehicles Systems. <i>IEEE Access</i> , 2021 , 9, 157842-157858	9.5	5
56	Extending the Usable Ka Band Spectrum for Satellite Communications: The CoRaSat Project. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 119-132	0.2	5
55	Stochastic Optimization of Cognitive Networks. <i>IEEE Transactions on Green Communications and Networking</i> , 2017 , 1, 40-58	4	4
54	Spectrum awareness techniques for 5G satellite communications 2015 ,		4
53			4
52	On the Design of Federated Learning in Latency and Energy Constrained Computation Offloading Operations in Vehicular Edge Computing Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	4
51	A Cost Function Based Prioritization Method for Smart Grid Communication Network. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017 , 16-24	0.2	4
50	Gateway selection and clustering in multi-interface wireless mesh networks considering network reliability and traffic. <i>Transactions on Emerging Telecommunications Technologies</i> , 2018 , 29, e3215	1.9	4

49	Genetic inspired scheduling algorithm for cognitive satellite systems 2016 ,		3
48	Cognitive Radio for Ka Band Satellite Communications 2014 ,		3
47	2014 ,		3
46	2014 ,		3
45	An Optimized Resource Allocation Scheme Based on a Multidimensional Multiple-Choice Approach with Reduced Complexity 2011 ,		3
44	The communication infrastructure for emergency management 2009 ,		3
43	A neural network approach to MMSE receivers in a DS-CDMA multipath fading environment. <i>IEEE Transactions on Communications</i> , 2006 , 54, 778-782	6.9	3
42	Dynamic SIR based admission control algorithm for 3G wireless networks		3
41	Medium access control protocol for CDMA ad hoc networks. <i>Electronics Letters</i> , 2004 , 40, 1131	1.1	3
40	2020 ,		3
39	An Evolutionary-Based Algorithm for Smart-Living Applications Placement in Fog Networks 2019 ,		3
38	Energy Efficient Adaptive Network Coding Schemes for Satellite Communications. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017 , 202-212 ^{0.2}		2
37	Physical layer aware adaptive network coding schemes for satellite communications. <i>International Journal of Satellite Communications and Networking</i> , 2017 , 35, 537-549	1.7	2
36	A channel state-driven ACM algorithm for mobile satellite communications. <i>International Journal of Satellite Communications and Networking</i> , 2016 , 34, 787-807	1.7	2
35	A joint communication and computing resource management scheme for pervasive grid networks. <i>Wireless Communications and Mobile Computing</i> , 2013 , 13, 1309-1323	1.9	2
34	2015 ,		2
33	Analysis of a State Based Approach for Adaptive Coding and Modulation in Mobile Satellite Environments 2013 ,		2
32	An integrated communication-computing solution in emergency management 2010 ,		2

31	Performance evaluation of the MAC protocol in IEEE 802.16 systems with data and VoiP traffic scheduling. <i>Wireless Communications and Mobile Computing</i> , 2009 , 9, 35-46	1.9	2
30	On the Ranging and Scheduling of Data Traffic in OFDMA Mobile Environments 2008 ,		2
29	A MAC layer traffic-priority management technique in CDMA based ad-hoc networks 2005 ,		2
28	Multimedia traffic management at MAC layer in IEEE 802.15.3a personal area networks		2
27	A network operator-biased approach for multi-service network function placement in a 5G network slicing architecture. <i>Computer Networks</i> , 2021 , 108598	5.4	2
26	On the Feasibility of Interference Estimation Techniques in Cognitive Satellite Environments with Impairments. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 133-146	0.2	2
25	2016 ,		2
24	Android-based Implementation of a Fog Computing and Networking Environment 2019 ,		2
23	Cooperative Multi-Agent Deep Reinforcement Learning for Resource Management in Full Flexible VHTS Systems. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2021 , 1-1	6.6	2
22	Machine Learning for Radio Resource Management in Multibeam GEO Satellite Systems. <i>Electronics (Switzerland)</i> , 2022 , 11, 992	2.6	2
21	Detection and Mitigation of Impulsive Interference on OFDM Signals Based on Spectrum Sensing, Blanking and Symbol Retransmission. <i>Wireless Personal Communications</i> , 2014 , 77, 2631-2647	1.9	1
20	Network Coding Channel Virtualization Schemes for Satellite Multicast Communications 2017 ,		1
19	Wireless Communication Protocols for Distributed Computing Environments 2011 ,		1
18	Analysis and design of a TETRA-DMO and IEEE 802.11 integrated network 2010 ,		1
17	Proposal of a Fixed Communication System Sharing the Bandwidth of an Existing Personal Communication Network. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 180-187	6.8	1
16	2008 ,		1
15	2004 ,		1
14	A Fog Computing Orchestrator Architecture with Service Model Awareness. <i>IEEE Transactions on Network and Service Management</i> , 2021 , 1-1	4.8	1

13	Density-Aware Smart Grid Node Allocation in Heterogeneous Radio Access Technology Environments		1
12	Using a Cost Function to Choose the Best Communication Technology for Fulfilling the Smart Meters Communication Requirements. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017 , 33-42	0.2	1
11	On-Demand Service Deployment Strategies for Fog-as-a-Service Scenarios. <i>IEEE Communications Letters</i> , 2021 , 25, 1500-1504	3.8	1
10	Computation Offloading Decision Bounds in SWIPT-Based Fog Networks 2019 ,		1
9	A reliable, secure, and energy efficient smart grid node allocation algorithm for heterogeneous network scenarios. <i>International Journal of Communication Systems</i> , 2018 , 31, e3799	1.7	1
8	Supervised machine learning for power and bandwidth management in very high throughput satellite systems. <i>International Journal of Satellite Communications and Networking</i> ,	1.7	1
7	Open-Source MQTT-Based End-to-End IoT System for Smart City Scenarios. <i>Future Internet</i> , 2022 , 14, 57	3.3	0
6	Zero-Energy Computation Offloading with Simultaneous Wireless Information and Power Transfer for Two-Hop 6G Fog Networks. <i>Energies</i> , 2022 , 15, 1632	3.1	0
5	Towards a Novel AirGround Intelligent Platform for Vehicular Networks: Technologies, Scenarios, and Challenges. <i>Smart Cities</i> , 2021 , 4, 1469-1495	3.3	0
4	Downlink cross-layer scheduling strategies for long-term evolution and long-term evolution-advanced systems. <i>Wireless Communications and Mobile Computing</i> , 2015 , 15, 1234-1246	1.9	
3	The Role of WiMAX Technology in Distributed Wide Area Monitoring Applications 129-143		
2	Cognitive Radio Techniques for M2M Environments. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , 2015 , 909-927	0.2	
1	A Fully Reconfigurable Approach to Emergency Management. <i>International Journal of Adaptive Resilient and Autonomic Systems</i> , 2013 , 4, 80-100		