

Mauro Femminella

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5599977/mauro-femminella-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

90
papers

890
citations

13
h-index

26
g-index

112
ext. papers

1,185
ext. citations

3.6
avg, IF

4.56
L-index

#	Paper	IF	Citations
90	Monitoring Platform Evolution towards Serverless Computing for 5G and Beyond Systems. <i>IEEE Transactions on Network and Service Management</i> , 2022 , 1-1	4.8	
89	Two-Layer Network Caching for Different Service Requirements. <i>Future Internet</i> , 2021 , 13, 85	3.3	1
88	5G experiment design through Blueprint. <i>Computer Networks</i> , 2021 , 190, 107948	5.4	2
87	Implementation issues of diffusion-based molecular communications receivers based on transcriptional elements 2021 , 103160		0
86	Experimental Analysis of the Application of Serverless Computing to IoT Platforms. <i>Sensors</i> , 2021 , 21,	3.8	7
85	A Molecular Communications System for the Detection of Inflammatory Levels Related to COVID-19 Disease. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2021 , 7, 165-174	2.3	1
84	Simplification of the design, deployment, and testing of 5G vertical services 2020 ,		5
83	A Molecular Communications System for Live Detection of Hyperviscosity Syndrome. <i>IEEE Transactions on Nanobioscience</i> , 2020 , 19, 410-421	3.4	9
82	Skin Cancer Classification Using Inception Network and Transfer Learning. <i>Lecture Notes in Computer Science</i> , 2020 , 536-545	0.9	5
81	Comparison of MongoDB and Cassandra Databases for Spectrum Monitoring As-a-Service. <i>IEEE Transactions on Network and Service Management</i> , 2020 , 17, 346-360	4.8	15
80	Automatic deployment, execution and analysis of 5G experiments using the 5G EVE platform 2020 ,		5
79	Gossip-based monitoring of virtualized resources in 5G networks 2019 ,		3
78	Directional Receivers for Diffusion-Based Molecular Communications. <i>IEEE Access</i> , 2019 , 7, 5769-5783	3.5	9
77	Parallel algorithms for simulating interacting carriers in nanocommunication. <i>Nano Communication Networks</i> , 2019 , 20, 20-30	2.9	3
76	A Nano Communication System for CTC Detection in Blood Vessels. <i>Lecture Notes in Computer Science</i> , 2019 , 159-170	0.9	
75	Orchestration of Cloud Genomic Services 2019 ,		2
74	Probabilistic Codebook-Based Fault Localization in Data Networks. <i>IEEE Transactions on Network and Service Management</i> , 2018 , 15, 567-581	4.8	1

73	The Molecular Communications Markup Language (MolComML). <i>Nano Communication Networks</i> , 2018 , 16, 12-25	2.9	4
72	Fast simulation of interacting carriers in nanosimulators 2018 ,		1
71	Genomics as a service: A joint computing and networking perspective. <i>Computer Networks</i> , 2018 , 145, 27-51	5.4	4
70	IoT, big data, and cloud computing value chain: pricing issues and solutions. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2018 , 73, 511-520	2	4
69	A Big Data architecture for spectrum monitoring in cognitive radio applications. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2018 , 73, 451-461	2	6
68	A Zero-Configuration Tracking System for First Responders Networks. <i>IEEE Systems Journal</i> , 2017 , 11, 2917-2928	4.3	12
67	Congestion Control in Molecular Cyber-Physical Systems. <i>IEEE Access</i> , 2017 , 5, 10000-10011	3.5	17
66	A big-data layered architecture for analyzing molecular communications systems in blood vessels 2017 ,		1
65	SigMA: Signaling Framework for Decentralized Network Management Applications. <i>IEEE Transactions on Network and Service Management</i> , 2017 , 14, 616-630	4.8	5
64	Genome centric networking: A network function virtualization solution for genomic applications 2017 ,		2
63	Effect of Aging, Disease Versus Health Conditions in the Design of Nano-communications in Blood Vessels. <i>Modeling and Optimization in Science and Technologies</i> , 2017 , 447-471	0.6	1
62	Applications of molecular communications to medicine: A survey. <i>Nano Communication Networks</i> , 2016 , 7, 27-45	2.9	93
61	A simple and scalable receiver model in molecular communication systems 2016 ,		3
60	MolComML 2016 ,		3
59	A Signaling Protocol for Service Function Localization. <i>IEEE Communications Letters</i> , 2016 , 1-1	3.8	5
58	IoT, cloud services, and big data: A comprehensive pricing solution 2016 ,		4
57	A cloud computing architecture for spectrum sensing as a service 2016 ,		3
56	Performance Evaluation of Edge Cloud Computing System for Big Data Applications 2016 ,		13

55	Extensible signaling framework for decentralized network management applications 2016 ,		5
54	Networking issues related to delivering and processing genomic big data. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , 2015 , 30, 46-64	1	2
53	A Molecular Communications Model for Drug Delivery. <i>IEEE Transactions on Nanobioscience</i> , 2015 , 14, 935-45	3.4	62
52	Smart antennas for diffusion-based molecular communications 2015 ,		7
51	Teaching Domain-Driven Data Science: Public-Private Co-creation of Market-Driven Certificate 2015 ,		3
50	The ARES Project: Cloud Services for Medical Genomics 2014 ,		2
49	Modeling CD40-based molecular communications in blood vessels. <i>IEEE Transactions on Nanobioscience</i> , 2014 , 13, 230-43	3.4	40
48	TCP-Like Molecular Communications. <i>IEEE Journal on Selected Areas in Communications</i> , 2014 , 32, 2354-2367	3.4	75
47	Optimal deployment of open source application servers providing multimedia services. <i>IEEE Network</i> , 2014 , 28, 54-63	11.4	3
46	The ARES Project: Network Architecture for Delivering and Processing Genomics Data 2014 ,		4
45	Simulation of molecular signaling in blood vessels: Software design and application to atherogenesis. <i>Nano Communication Networks</i> , 2013 , 4, 98-119	2.9	71
44	Protection Ratio and Antenna Separation for DVB-T/LTE Coexistence Issues. <i>IEEE Communications Letters</i> , 2013 , 17, 1588-1591	3.8	16
43	Advanced caching for distributing sensor data through programmable nodes 2013 ,		3
42	Establishing digital molecular communications in blood vessels 2013 ,		19
41	Enhancing java call control with media server control functions 2013 , 51, 132-142		2
40	DIRECT: A model for molecular communication nanonetworks based on discrete entities. <i>Nano Communication Networks</i> , 2013 , 4, 181-188	2.9	40
39	Simulating an in vitro experiment on nanoscale communications by using BiNS2. <i>Nano Communication Networks</i> , 2013 , 4, 172-180	2.9	51
38	Dimensioning of dual leaky bucket parameters for regulating voice sources. <i>Electronics Letters</i> , 2013 , 49, 756-758	1.1	

37	Modeling the Spontaneous Reaction of Mammalian Cells to External Stimuli. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2013 , 226-241	0.2	1
36	A simulation tool for nanoscale biological networks. <i>Nano Communication Networks</i> , 2012 , 3, 2-18	2.9	70
35	Low Satellite Visibility Areas: Extension of the GPS Capabilities to Deploy Location-Based Services. <i>IEEE Vehicular Technology Magazine</i> , 2012 , 7, 55-65	9.9	3
34	A signaling architecture for multimedia MBS over WiMAX. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2012 , 2012,	3.2	1
33	Extending the NetServ autonomic management capabilities using OpenFlow 2012 ,		10
32	An Extended Java Call Control for the Session Initiation Protocol. <i>IEEE MultiMedia</i> , 2012 , 19, 60-71	2.1	1
31	Gossip-based signaling dissemination extension for next steps in signaling 2012 ,		8
30	Workflow Engine Integration in JSLEE AS. <i>IEEE Communications Letters</i> , 2011 , 15, 1405-1407	3.8	7
29	Performance management of Java-based SIP application servers 2011 ,		5
28	. <i>IEEE Network</i> , 2011 , 25, 24-32	11.4	18
27	An Experimental System for Continuous Users Tracking in Emergency Scenarios 2011 ,		4
26	WiFi Assisted GPS for Extended Location Services. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2010 , 191-202	0.2	1
25	QoS-enabled multicast for delivering live events in a Digital Cinema scenario. <i>Journal of Network and Computer Applications</i> , 2009 , 32, 314-344	7.9	3
24	Efficient and stateless deployment of VoIP services. <i>Computer Networks</i> , 2009 , 53, 706-726	5.4	1
23	Design, Implementation, and Performance Evaluation of an Advanced SIP-Based Call Control for VoIP Services 2009 ,		2
22	Measuring the edge-to-edge available bandwidth in a DiffServ domain. <i>International Journal of Network Management</i> , 2008 , 18, 409-426	1.8	1
21	Autonomic control and personalization of a wireless access network. <i>Computer Networks</i> , 2007 , 51, 2645-2676	5.4	13
20	Beacon-Based Service Publishing Framework in Multiservice Wi-Fi Hotspots. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2007 , 2007, 1	3.2	2

19	A Molecular Communication System in Blood Vessels for Tumor Detection 2007 ,		10
18	On the Performance of Service Publishing in IEEE 802.11 Multi-Access Environment. <i>IEEE Communications Letters</i> , 2007 , 11, 322-324	3.8	1
17	Target access router selection in advanced mobility scenarios. <i>Computer Communications</i> , 2006 , 29, 337-357	3.5	2
16	Performance evaluation of the push-mode-multicast based candidate access router discovery (PMM CARD). <i>Computer Networks</i> , 2006 , 50, 367-397	5.4	4
15	A Novel Approach to Charge for IP Services with QoS Support. <i>Journal of Network and Systems Management</i> , 2006 , 14, 279-312	2.1	
14	Toward an autonomic control of wireless access networks 2005 ,		4
13	A Layer 3 Movement Detection Algorithm Driving Handovers in Mobile IP. <i>Wireless Networks</i> , 2005 , 11, 223-233	2.5	6
12	A Comparison of the Utilization Efficiency between a Stateful and a Stateless Admission Control in IP Networks in a Heterogeneous Traffic Case. <i>Telecommunication Systems</i> , 2004 , 25, 231-258	2.3	4
11	A QoS index for IP services to effectively support usage-based charging. <i>IEEE Communications Letters</i> , 2004 , 8, 686-688	3.8	4
10	Access Router Discovery and Selection in Advanced Wireless Networks. <i>Lecture Notes in Computer Science</i> , 2004 , 383-388	0.9	
9	Stateless admission control for QoS provisioning for VoIP in a diffServ domain. <i>Teletraffic Science and Engineering</i> , 2003 , 1321-1330		2
8	The RAMON Module: Architecture Framework and Performance Results. <i>Lecture Notes in Computer Science</i> , 2003 , 471-484	0.9	7
7	Mobility Management in a Reconfigurable Environment: The RAMON Approach. <i>Lecture Notes in Computer Science</i> , 2003 , 499-512	0.9	1
6	Per-flow QoS support over a stateless Differentiated Services IP domain. <i>Computer Networks</i> , 2002 , 40, 73-87	5.4	12
5	Network service provisioning in UWB open mobile access networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2002 , 20, 1745-1753	14.2	8
4	On the modeling of voice sources regulated by dual leaky buckets		2
3			3
2	Joint support of QoS and mobility in a stateless IP environment		5

- 1 Performance evaluation of a measurement-based algorithm for distributed admission control in a DiffServ framework