

# Manuel Daz

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2694051/manuel-diaz-publications-by-citations.pdf>

**Version:** 2024-04-23

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.

65  
papers

1,655  
citations

12  
h-index

40  
g-index

74  
ext. papers

2,097  
ext. citations

3.1  
avg, IF

5.26  
L-index

#	Paper	IF	Citations
65	On blockchain and its integration with IoT. Challenges and opportunities. <i>Future Generation Computer Systems</i> , <b>2018</b> , 88, 173-190	7.5	769
64	State-of-the-art, challenges, and open issues in the integration of Internet of things and cloud computing. <i>Journal of Network and Computer Applications</i> , <b>2016</b> , 67, 99-117	7.9	423
63	A survey on quality of service support in wireless sensor and actor networks: Requirements and challenges in the context of critical infrastructure protection. <i>Journal of Network and Computer Applications</i> , <b>2011</b> , 34, 1225-1239	7.9	60
62	Efficient parallel LAN/WAN algorithms for optimization. The mallba project. <i>Parallel Computing</i> , <b>2006</b> , 32, 415-440	1	50
61	Middleware and communication technologies for structural health monitoring of critical infrastructures: A survey. <i>Computer Standards and Interfaces</i> , <b>2018</b> , 56, 83-100	3.5	35
60	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 1755-1764	11.9	26
59	PS-QUASAR: A publish/subscribe QoS aware middleware for Wireless Sensor and Actor Networks. <i>Journal of Systems and Software</i> , <b>2013</b> , 86, 1650-1662	3.3	21
58	HERO: A hierarchical, efficient and reliable routing protocol for wireless sensor and actor networks. <i>Computer Communications</i> , <b>2012</b> , 35, 1392-1409	5.1	20
57	A service-oriented approach to facilitate WSN application development. <i>Ad Hoc Networks</i> , <b>2011</b> , 9, 430-442	4.52	19
56	Programming Approaches and Challenges for Wireless Sensor Networks <b>2007</b> ,		18
55	Sensor4PRI: a sensor platform for the protection of railway infrastructures. <i>Sensors</i> , <b>2015</b> , 15, 4996-5019	3.8	13
54	Integrating Schedulability Analysis and Design Techniques in SDL. <i>Real-Time Systems</i> , <b>2003</b> , 24, 267-302	1.3	13
53	Providing temporal isolation in the OSGi framework <b>2009</b> ,		11
52	Using standards to integrate soft real-time components into dynamic distributed architectures. <i>Computer Standards and Interfaces</i> , <b>2012</b> , 34, 238-262	3.5	10
51	. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 3381-3389	4	10
50	A Virtual Channel-Based Framework for the Integration of Wireless Sensor Networks in the Cloud <b>2014</b> ,		10
49	Distributed Shared Memory as an Approach for Integrating WSNs and Cloud Computing <b>2012</b> ,		10

48	RAISE: RAILway Infrastructure Health Monitoring Using Wireless SEnsor Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2013</b> , 143-157	9.2	10
47	Using Wireless Sensor Networks and Trains as Data Mules to Monitor Slab Track Infrastructures. <i>Sensors</i> , <b>2015</b> , 15, 15101-26	3.8	9
46	COINS: COalitions and INcentiveS for effective Peer-to-Peer downloads. <i>Journal of Network and Computer Applications</i> , <b>2013</b> , 36, 484-497	7.9	6
45	A Component Framework for Wireless Sensor and Actor Networks <b>2006</b> ,		6
44	Experiences with component-oriented technologies in nuclear power plant simulators. <i>Software - Practice and Experience</i> , <b>2006</b> , 36, 1489-1512	2.5	6
43	Wireless sensor networks and structural health monitoring: Experiences with slab track infrastructures. <i>International Journal of Distributed Sensor Networks</i> , <b>2019</b> , 15, 155014771982600	1.7	5
42	ServiceDDS: A Framework for Real-Time P2P Systems Integration <b>2010</b> ,		5
41	UM-RTCOM: An analyzable component model for real-time distributed systems. <i>Journal of Systems and Software</i> , <b>2008</b> , 81, 709-726	3.3	5
40	An Object-oriented Methodology for Embedded Real-time Systems. <i>Computer Journal</i> , <b>2003</b> , 46, 123-145	5.3	5
39	A Border-based Coordination Language for Integrating Task and Data Parallelism. <i>Journal of Parallel and Distributed Computing</i> , <b>2002</b> , 62, 715-740	4.4	5
38	A Service-Oriented Middleware for Wireless Sensor and Actor Networks <b>2009</b> ,		4
37	Programming Wireless Sensor and Actor Networks with TC-WSANs <b>2007</b> ,		4
36	A component-based nuclear power plant simulator kernel. <i>Concurrency Computation Practice and Experience</i> , <b>2007</b> , 19, 593-607	1.4	4
35	Development of distributed real-time simulators based on CORBA. <i>Simulation Modelling Practice and Theory</i> , <b>2007</b> , 15, 716-733	3.9	4
34	Integrating Task and Data Parallelism by Means of Coordination Patterns. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 16-26	0.9	4
33	Integrating Blockchain in Safety-Critical Systems: An Application to the Nuclear Industry. <i>IEEE Access</i> , <b>2020</b> , 8, 190605-190619	3.5	4
32	Run-time deployment and management of CoAP resources for the Internet of Things. <i>International Journal of Distributed Sensor Networks</i> , <b>2017</b> , 13, 155014771769896	1.7	3
31	PICO: A platform independent communications middleware for heterogeneous devices in smart grids. <i>Computer Standards and Interfaces</i> , <b>2019</b> , 65, 1-14	3.5	3

30	USEME: A Service-Oriented Framework for Wireless Sensor and Actor Networks <b>2008</b> ,		3
29	A tuple channel-based coordination model for parallel and distributed programming. <i>Journal of Parallel and Distributed Computing</i> , <b>2007</b> , 67, 1092-1107	4-4	3
28	Domain interaction patterns to coordinate HPF tasks. <i>Parallel Computing</i> , <b>2003</b> , 29, 925-951	1	3
27	A parlog based real-time distributed logic environment. <i>Future Generation Computer Systems</i> , <b>1993</b> , 9, 201-218	7-5	3
26	(lambda )-CoAP: An Internet of Things and Cloud Computing Integration Based on the Lambda Architecture and CoAP. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2016</b> , 195-206	0.2	3
25	An open source framework based on Kafka-ML for Distributed DNN inference over the Cloud-to-Things continuum. <i>Journal of Systems Architecture</i> , <b>2021</b> , 118, 102214	5-5	3
24	Kafka-ML: Connecting the data stream with ML/AI frameworks. <i>Future Generation Computer Systems</i> , <b>2022</b> , 126, 15-33	7-5	3
23	Performance analysis of wireless sensor networks and priority queueing systems. <i>International Journal of Sensor Networks</i> , <b>2019</b> , 30, 126	0.8	2
22	Appdaptivity: An Internet of Things Device-Decoupled System for Portable Applications in Changing Contexts. <i>Sensors</i> , <b>2018</b> , 18,	3.8	2
21	Designing distributed software with RT-CORBA and SDL. <i>Computer Standards and Interfaces</i> , <b>2009</b> , 31, 1073-1091	3-5	2
20	A CCA-compliant Nuclear Power Plant Simulator Kernel. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 283-297.9		2
19	TCMote: a tuple channel coordination model for wireless sensor networks		2
18	Towards memory management for service-oriented real-time systems <b>2010</b> ,		2
17	Facilitating the monitoring and management of structural health in civil infrastructures with an Edge/Fog/Cloud architecture. <i>Computer Standards and Interfaces</i> , <b>2021</b> , 81, 103600	3-5	2
16	Using SBASCO to Solve Reaction-Diffusion Equations in Two-Dimensional Irregular Domains. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 912-919	0.9	2
15	From the Edge to the Cloud: Enabling Reliable IoT Applications <b>2019</b> ,		2
14	<b>2009</b> ,		1
13	File Sharing Service over a Generic P2P Simulator <b>2007</b> ,		1

12	Impact of Middleware Design on the Communication Performance. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 505-519	0.9	1
11	A wireless sensor network framework based on light databases. <i>Software - Practice and Experience</i> , <b>2013</b> , 43, 501-523	2.5	0
10	Smart Home Automation Using Controller Area Network. <i>Advances in Intelligent and Soft Computing</i> , <b>2011</b> , 167-174		0
9	Managing and Deploying Distributed and Deep Neural Models Through Kafka-ML in the Cloud-to-Things Continuum. <i>IEEE Access</i> , <b>2021</b> , 9, 125478-125495	3.5	0
8	Maintenance of Reliable Distributed Applications with Open-Source Middleware: Fifteen Years Later. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 116-128	0.9	
7	An Analyzable Execution Model for SDL for Embedded Real-Time Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>1999</b> , 32, 171-176		
6	Integration of Task and Data Parallelism: A Coordination-Based Approach. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 173-182	0.9	
5	SIG-SAT Trillo: A Full Scope Simulator for Nuclear Power Plants. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 7-10	0.9	
4	Integrating RT-CORBA in SDL. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 47-67	0.9	
3	Dynamic Reconfiguration of Scientific Components Using Aspect Oriented Programming: A Case Study. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 1351-1360	0.9	
2	Developing a Content Distribution System over a Secure Peer-to-Peer Middleware <b>2017</b> , 211-239		
1	Managing Multi-concern Application Complexity in AspectSBASCO. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 133-142	0.9	