

# Joaquim Ferreira

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

68

papers

768

citations

14

h-index

26

g-index

88

ext. papers

1,026

ext. citations

2.8

avg, IF

4.22

L-index

#	Paper	IF	Citations
68	Performance Assessment of Collective Perception Service Supported by the Roadside Infrastructure. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 347	2.6	2
67	Secure Multi-access Edge Computing Assisted Maneuver Control for Autonomous Vehicles <b>2021</b> ,		2
66	Securing Seaport Logistic Vehicles Using a Distributed Ledger-Based Credential Management System. <i>IEEE Open Journal of Vehicular Technology</i> , <b>2021</b> , 2, 162-179	5.3	2
65	Enabling Buildings Comfort Using Context-Aware Technologies: A Systematic Review of the Literature. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 599-608	0.4	
64	A Systematic Review of Context-Aware Technologies Applied to Buildings Comfort. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 323-332	0.4	
63	Enabling Green Building Comfort Using Information and Communication Technologies: A Systematic Review of the Literature. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 197-208	0.4	1
62	IOTApas: Enabling Public Transport Payments with IOTA <b>2020</b> ,		3
61	TRUST: Transportation and Road Monitoring System for Ubiquitous Real-Time Information Services <b>2020</b> ,		3
60	Pay as You Go: A Generic Crypto Tolling Architecture. <i>IEEE Access</i> , <b>2020</b> , 8, 196212-196222	3.5	3
59	A Novel MAC Scheme for Reliable Safety Messages Dissemination in Vehicular Networks. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 521-529	0.4	
58	Towards Personal Virtual Traffic Lights. <i>Information (Switzerland)</i> , <b>2019</b> , 10, 32	2.6	2
57	Self-Sovereign Identity: Use-cases, Technologies, and Challenges for Industrial IoT <b>2019</b> ,		13
56	A Survey on Fault Tolerance Techniques for Wireless Vehicular Networks. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 1358	2.6	6
55	Supporting Deterministic Wireless Communications in Industrial IoT. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 4045-4054	11.9	11
54	Implementation and Analysis of IEEE and ETSI Security Standards for Vehicular Communications. <i>Mobile Networks and Applications</i> , <b>2018</b> , 23, 469-478	2.9	15
53	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2018</b> , 19, 965-976	6.1	1
52	Non-IP Multi-protocol Stack for Vehicular Communications. <i>Mobile Networks and Applications</i> , <b>2018</b> , 23, 1179-1193	2.9	0

51	Cooperative sensing for improved traffic efficiency: The highway field trial. <i>Computer Networks</i> , <b>2018</b> , 143, 82-97	5.4	8
50	Blockchain Enabled Vehicular Communications: Fad or Future? <b>2018</b> ,		5
49	Corrigendum to Real-Time Smart Parking Systems Integration in Distributed ITS for Smart Cities□ <i>Journal of Advanced Transportation</i> , <b>2018</b> , 2018, 1-1	1.9	4
48	IOTA Feasibility and Perspectives for Enabling Vehicular Applications <b>2018</b> ,		15
47	Real-Time Smart Parking Systems Integration in Distributed ITS for Smart Cities. <i>Journal of Advanced Transportation</i> , <b>2018</b> , 2018, 1-13	1.9	21
46	Orchestration of Microservices for IoT Using Docker and Edge Computing. <i>IEEE Communications Magazine</i> , <b>2018</b> , 56, 118-123	9.1	110
45	A Proposal for an Improved Distributed MAC Protocol for Vehicular Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2017</b> , 24-33	0.2	0
44	Orchestration of containerized microservices for IIoT using Docker <b>2017</b> ,		36
43	Implementation and analysis of Wireless Flexible Time-Triggered protocol. <i>Ad Hoc Networks</i> , <b>2017</b> , 58, 36-53	4.8	3
42	Monitoring V2X applications using DevOps and docker <b>2017</b> ,		3
41	Cooperative driver stress sensing integration with eCall system for improved road safety <b>2017</b> ,		10
40	PASMO: An open living lab for cooperative ITS and smart regions <b>2017</b> ,		3
39	Software defined P2P architecture for reliable vehicular communications. <i>Pervasive and Mobile Computing</i> , <b>2017</b> , 42, 411-425	3.5	3
38	. <i>IEEE Vehicular Technology Magazine</i> , <b>2017</b> , 12, 50-59	9.9	14
37	Acoustic smart sensors based integrated system for smart homes <b>2017</b> ,		1
36	Fail silence mechanism for dependable vehicular communications. <i>International Journal of High Performance Computing and Networking</i> , <b>2017</b> , 10, 534	1	1
35	Implementation of Security Services for Vehicular Communications. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2017</b> , 79-90	0.2	
34	Enforcing Replica Determinism in the Road Side Units of Fault-Tolerant Vehicular Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2017</b> , 3-12	0.2	1

33	A Deterministic MAC Protocol for Infrastructure to Vehicle Communications in Motorways. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2017</b> , 13-23	0.2	
32	Performance Evaluation of SIMO Techniques in IEEE 802.11p. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2017</b> , 91-100	0.2	
31	Survey on low power real-time wireless MAC protocols. <i>Journal of Network and Computer Applications</i> , <b>2016</b> , 75, 293-316	7.9	30
30	Mitigating adjacent channel interference in vehicular communication systems. <i>Digital Communications and Networks</i> , <b>2016</b> , 2, 57-64	5.9	7
29	Intelligent Transportation Systems. <i>Studies in Systems, Decision and Control</i> , <b>2016</b> ,	0.8	25
28	Fault Tolerant Architecture for Infrastructure based Vehicular Networks. <i>Studies in Systems, Decision and Control</i> , <b>2016</b> , 169-194	0.8	3
27	STDMA-based Scheduling Algorithm for Infrastructured Vehicular Networks. <i>Studies in Systems, Decision and Control</i> , <b>2016</b> , 81-105	0.8	4
26	Introduction to Intelligent Transportation Systems. <i>Studies in Systems, Decision and Control</i> , <b>2016</b> , 1-17	0.8	55
25	Automatic accident detection with multi-modal alert system implementation for ITS. <i>Vehicular Communications</i> , <b>2016</b> , 3, 1-11	5.7	35
24	Development of an ITS-G5 Station, from the Physical to the MAC Layer <b>2016</b> , 1-36		6
23	Deterministic Vehicular Communications Supported by the Roadside Infrastructure: A Case Study. <i>Studies in Systems, Decision and Control</i> , <b>2016</b> , 49-80	0.8	4
22	HDy Copilot: A Mobile Application for Automatic Accident Detection and Multimodal Alert Dissemination. <i>Studies in Systems, Decision and Control</i> , <b>2016</b> , 241-270	0.8	2
21	An RSU Replication Scheme for Dependable Wireless Vehicular Networks <b>2016</b> ,		3
20	<b>2016</b> ,		5
19	Integration of smart parking in distributed ITS architecture <b>2016</b> ,		8
18	Mobile Application for Automatic Accident Detection and Multimodal Alert <b>2015</b> ,		12
17	Energy issues of bike sharing systems: From energy harvesting to contactless battery charging <b>2015</b> ,		2
16	Adapting SDN datacenters to support Cloud IIoT applications <b>2015</b> ,		7

15	Implementation and analysis of traffic safety protocols based on ETSI Standard <b>2015</b> ,		16
14	The Case for Wireless Vehicular Communications Supported by Roadside Infrastructure <b>2015</b> , 57-82		6
13	Supporting Deterministic Medium Access Control in Wireless Vehicular Communications <b>2015</b> ,		1
12	Towards Reliable Wireless Vehicular Communications <b>2015</b> ,		4
11	Reliable Delivery of Safety Messages in Infrastructure Based Vehicular Networks <b>2015</b> ,		1
10	Enforcing flexibility in real-time wireless communications: A bandjacking enabled protocol <b>2009</b> ,		6
9	Putaminal petechial haemorrhage as the cause of non-ketotic hyperglycaemic chorea: a neuropathological case correlated with MRI findings. <i>BMJ Case Reports</i> , <b>2009</b> , 2009,	0.9	4
8	Dependable Automotive CAN Networks. <i>Industrial Information Technology Series</i> , <b>2008</b> , 130-181		4
7	Combining operational flexibility and dependability in FTT-CAN. <i>IEEE Transactions on Industrial Informatics</i> , <b>2006</b> , 2, 95-102	11.9	29
6	A Modular Control Architecture for a Small Electric Vehicle <b>2006</b> ,		4
5	Components to Enforce Fail-Silent Behavior in Dynamic Master-Slave Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2003</b> , 36, 143-150		1
4	The FTT-CAN protocol for flexibility in safety-critical systems. <i>IEEE Micro</i> , <b>2002</b> , 22, 46-55	1.8	19
3	An overview of electromagnetic inductance tomography: description of three different systems. <i>Measurement Science and Technology</i> , <b>1996</b> , 7, 261-271	2	136
2	Implementing a distributed sensing and actuation system: The CAMBADA robots case study		8
1	Achieving fault tolerance in FTT-CAN		12