

# Ricardo Severino

## List of Publications by Year in Descending Order

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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.

33  
papers

284  
citations

9  
h-index

16  
g-index

35  
ext. papers

369  
ext. citations

3.7  
avg. IF

3.42  
L-index

#	Paper	IF	Citations
33	Improving the Performance of Cooperative Platooning With Restricted Message Trigger Thresholds. <i>IEEE Access</i> , <b>2022</b> , 10, 45562-45575	3.5	0
32	A Comprehensive Worst Case Bounds Analysis of IEEE 802.15.7. <i>Journal of Sensor and Actuator Networks</i> , <b>2021</b> , 10, 23	3.8	3
31	An Integrated Lateral and Longitudinal Look Ahead Controller for Cooperative Vehicular Platooning. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2021</b> , 142-159	0.2	1
30	CopaDrive: An Integrated ROS Cooperative Driving Test and Validation Framework. <i>Studies in Computational Intelligence</i> , <b>2021</b> , 121-174	0.8	2
29	Towards a Cooperative Robotic Platooning Testbed <b>2020</b> ,		4
28	Design and Implementation of Secret Key Agreement for Platoon-based Vehicular Cyber-physical Systems. <i>ACM Transactions on Cyber-Physical Systems</i> , <b>2020</b> , 4, 1-20	2.3	5
27	DynaMO. <i>ACM SIGBED Review</i> , <b>2020</b> , 16, 8-13	1.3	2
26	Symphony. <i>ACM SIGBED Review</i> , <b>2020</b> , 16, 26-31	1.3	3
25	WiCAR - Simulating Towards the Wireless Car. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 136-147	0.9	
24	Towards a Realistic Simulation Framework for Vehicular Platooning Applications <b>2019</b> ,		3
23	DynaMODynamic Multisuperframe Tuning for Adaptive IEEE 802.15.4e DSME Networks. <i>IEEE Access</i> , <b>2019</b> , 7, 122522-122535	3.5	6
22	COPADRIVE - A Realistic Simulation Framework for Cooperative Autonomous Driving Applications <b>2019</b> ,		9
21	IEEE 802.15.4e in a Nutshell: Survey and Performance Evaluation. <i>IEEE Communications Surveys and Tutorials</i> , <b>2018</b> , 20, 1989-2010	37.1	41
20	On the robot path planning using cloud computing for large grid maps <b>2018</b> ,		1
19	Poster Abstract: An Efficient Approach to Multisuperframe Tuning for DSME Networks <b>2018</b> ,		3
18	Wireless Communication Technologies for Safe Cooperative Cyber Physical Systems. <i>Sensors</i> , <b>2018</b> , 18,	3.8	4
17	Cooperative Key Generation for Data Dissemination in Cyber-Physical Systems <b>2018</b> ,		4

16	<b>2017,</b>		9
15	A cross-layer QoS management framework for ZigBee cluster-tree networks. <i>Telecommunication Systems</i> , <b>2016</b> , 63, 381-397	2.3	4
14	A microscope for the data centre. <i>International Journal of Sensor Networks</i> , <b>2015</b> , 18, 193	0.8	1
13	Dynamic cluster scheduling for cluster-tree WSNs. <i>SpringerPlus</i> , <b>2014</b> , 3, 493		17
12	Dynamic cluster scheduling for cluster-tree WSNs <b>2013,</b>		4
11	Models and Tools. <i>Springer Briefs in Electrical and Computer Engineering</i> , <b>2013</b> , 45-64	0.4	
10	Amendments to the IEEE 802.15.4 Protocol. <i>Springer Briefs in Electrical and Computer Engineering</i> , <b>2013</b> , 85-112	0.4	0
9	Performance Analysis and Network Dimensioning. <i>Springer Briefs in Electrical and Computer Engineering</i> , <b>2013</b> , 65-82	0.4	
8	Prototype WSN Platform for Performing Dynamic Monitoring of Civil Engineering Structures. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2011</b> , 81-89	0.3	1
7	Dimensioning and worst-case analysis of cluster-tree sensor networks. <i>ACM Transactions on Sensor Networks</i> , <b>2010</b> , 7, 1-47	2.9	25
6	A Traffic Differentiation Add-On to the IEEE 802.15.4 Protocol: Implementation and Experimental Validation over a Real-Time Operating system <b>2010,</b>		12
5	ERIKA and open-ZB <b>2009,</b>		5
4	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2009</b> , 5, 299-313	11.9	59
3	Real-Time Communications Over Cluster-Tree Sensor Networks with Mobile Sink Behaviour <b>2008,</b>		10
2	Engineering a Search and Rescue Application with a Wireless Sensor Network - based Localization Mechanism <b>2007,</b>		9
1	Open-ZB: an open-source implementation of the IEEE 802.15.4/ZigBee protocol stack on TinyOS <b>2007,</b>		37