

Jose Simo

List of Publications by Year in descending order

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47
papers

515
citations

840585

11
h-index

713332

21
g-index

52
all docs

52
docs citations

52
times ranked

513
citing authors

#	ARTICLE	IF	CITATIONS
1	Using infrared sensors for distance measurement in mobile robots. Robotics and Autonomous Systems, 2002, 40, 255-266.	3.0	190
2	Agent-based distributed architecture for mobile robot control. Engineering Applications of Artificial Intelligence, 2008, 21, 805-823.	4.3	63
3	Flexible real-time mobile robotic architecture based on behavioural models. Engineering Applications of Artificial Intelligence, 2001, 14, 685-702.	4.3	18
4	Differentiating walls from corners using the amplitude of ultrasonic echoes. Robotics and Autonomous Systems, 2005, 50, 13-25.	3.0	17
5	Communications structure for sensory data in mobile robots. Engineering Applications of Artificial Intelligence, 2002, 15, 341-350.	4.3	16
6	Video Sensor Architecture for Surveillance Applications. Sensors, 2012, 12, 1509-1528.	2.1	16
7	Hypervisor-Based Multicore Feedback Control of Mixed-Criticality Systems. IEEE Access, 2018, 6, 50627-50640.	2.6	16
8	Dynamic Reconfiguration of a RGBD Sensor Based on QoS and QoC Requirements in Distributed Systems. Sensors, 2015, 15, 18080-18101.	2.1	15
9	Formal Specification and Design Techniques for Wireless Sensor and Actuator Networks. Sensors, 2011, 11, 1059-1077.	2.1	14
10	Distributed Architecture to Integrate Sensor Information: Object Recognition for Smart Cities. Sensors, 2020, 20, 112.	2.1	14
11	Control kernel in smart factory environments: Smart resources integration. , 2015, , .		13
12	Distributed Real-time Control Architecture for ROS-based Modular Robots. IFAC-PapersOnLine, 2017, 50, 11233-11238.	0.5	11
13	Î4DDS: A Middleware for Real-time Wireless Embedded Systems. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 64, 489-503.	2.0	10
14	High performance dynamic voltage/frequency scaling algorithm for real-time dynamic load management. Journal of Systems and Software, 2012, 85, 906-919.	3.3	10
15	A Reliability-Based Particle Filter for Humanoid Robot Self-Localization in RoboCup Standard Platform League. Sensors, 2013, 13, 14954-14983.	2.1	7
16	QoS-Based Middleware Architecture for Distributed Control Systems. Advances in Soft Computing, 2009, , 587-595.	0.4	7
17	CONTROL KERNEL: A KEY CONCEPT IN EMBEDDED CONTROL SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 330-335.	0.4	6
18	Wireless Sensor and Actuator Networks: Charecterization and case study for confined spaces healthcare applications. Proceedings of the International Multiconference on Computer Science and Information Technology, 2008, , .	0.0	6

#	ARTICLE	IF	CITATIONS
19	Integer Programming Techniques for Static Scheduling of Hard Real-Time Systems. IEEE Access, 2020, 8, 170389-170403.	2.6	6
20	The Role of Mixed Criticality Technology in Industry 4.0. Electronics (Switzerland), 2021, 10, 226.	1.8	6
21	From the Queue to the Quality of Service Policy: A Middleware Implementation. Lecture Notes in Computer Science, 2009, , 432-437.	1.0	6
22	Embedded low-level video processing for surveillance purposes. , 2010, , .		5
23	Distributed real time architecture for small biped robot YABIRO.. , 0, , .		4
24	Advanced Distributed Architecture for a Small Biped Robot Control. , 2006, , .		4
25	Smart video sensors for 3D scene reconstruction of large infrastructures. Multimedia Tools and Applications, 2014, 73, 977-993.	2.6	4
26	Distributed Sensor Architecture for Intelligent Control that Supports Quality of Control and Quality of Service. Sensors, 2015, 15, 4700-4733.	2.1	4
27	Smart device definition and application on embedded system: performance and optimization on a RGBD sensor. Advances in Distributed Computing and Artificial Intelligence Journal, 2014, 3, 46-55.	1.1	3
28	Relationship between Quality of Control and Quality of Service in Mobile Robot Navigation. Advances in Intelligent and Soft Computing, 2012, , 557-564.	0.2	3
29	Performance and Results of the Triple Buffering Built-In in a Raspberry PI to Optimize the Distribution of Information from a Smart Sensor. Advances in Intelligent Systems and Computing, 2014, , 279-286.	0.5	2
30	Software Components for Smart Industry Based on Microservices: A Case Study in pH Control Process for the Beverage Industry. Electronics (Switzerland), 2021, 10, 763.	1.8	2
31	Automatic Population of Scenarios with Augmented Virtuality. , 2011, , 347-353.		2
32	A Hierarchical Hybrid Architecture for Mission-Oriented Robot Control. Advances in Intelligent Systems and Computing, 2014, , 363-380.	0.5	2
33	Interference-Aware Schedulability Analysis and Task Allocation for Multicore Hard Real-Time Systems. Electronics (Switzerland), 2022, 11, 1313.	1.8	2
34	Magnetic Trails: A Novel Artificial Pheromone for Swarm Robotics in Outdoor Environments. Computation, 2022, 10, 98.	1.0	2
35	A constant-time region-based memory allocator for embedded systems with unpredictable length array generation. , 2010, , .		1
36	Control kernel based adaptive control implementation. ACM SIGBED Review, 2013, 10, 24-28.	1.8	1

#	ARTICLE	IF	CITATIONS
37	A Survey on Quality of Service Support on Middleware-Based Distributed Messaging Systems Used in Multi Agent Systems. <i>Advances in Intelligent and Soft Computing</i> , 2011, , 77-84.	0.2	1
38	CKMultipeer: Connecting Devices Without Caring about the Network. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 189-196.	0.5	1
39	Adaptive QoS Management System for Autonomous Vehicles. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2000, 33, 143-150.	0.4	0
40	Flexible Real-Time Architecture for Hybrid Mobile Robotic Applications. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2000, 33, 271-278.	0.4	0
41	Optimizations on semantic environment management: An application for humanoid robot home assistance. , 2014, , .		0
42	Approach to an Emulation Model to Evaluate the Behavior and Impact of Microgrids in Isolated Communities. <i>Energies</i> , 2021, 14, 5316.	1.6	0
43	Control Co-design: Algorithms and Their Implementation. <i>Lecture Notes in Computer Science</i> , 2010, , 19-40.	1.0	0
44	Multi-Agent Architecture with Support to Quality of Service and Quality of Control. <i>Lecture Notes in Computer Science</i> , 2010, , 137-144.	1.0	0
45	Procedimiento de Dise±o para Minimizar el Consumo de Potencia y las Latencias en WSA. <i>RIAI - Revista Iberoamericana De Automatica E Informatica Industrial</i> , 2010, 7, 95-110.	0.6	0
46	Smart Resource Integration on ROS-Based Systems: Highly Decoupled Resources for a Modular and Scalable Robot Development. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 331-338.	0.5	0
47	Object Recognition: Distributed Architecture Based on Heterogeneous Devices to Integrate Sensor Information. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 181-188.	0.5	0