

Hugo Landaluce Simon

List of Publications by Year in descending order

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35
papers

544
citations

840776

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all docs

35
docs citations

35
times ranked

523
citing authors

#	ARTICLE	IF	CITATIONS
1	A Passive Computational UHF RFID Platform Using Vector Backscatter Modulation. IEEE Sensors Journal, 2022, 22, 6145-6149.	4.7	3
2	Harmonic Voltage Reflection Analysis of UHF RFID Chips. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-7.	4.7	1
3	A Fully Customizable RFID Research Platform With Exchangeable Modules. IEEE Sensors Journal, 2021, 21, 15379-15385.	4.7	3
4	UHF RFID chip impedance and sensitivity measurement using a transmission line transformer. , 2021, , .		0
5	A Review of IoT Sensing Applications and Challenges Using RFID and Wireless Sensor Networks. Sensors, 2020, 20, 2495.	3.8	198
6	Dynamic Frame Update Policy for UHF RFID Sensor Tag Collisions. Sensors, 2020, 20, 2696.	3.8	10
7	A theoretical and experimental study of passive computational radio frequency identification tags. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3939.	3.9	0
8	Protocol for Streaming Data from an RFID Sensor Network. Sensors, 2019, 19, 3148.	3.8	6
9	A theoretical and experimental study of passive computational RFID tags. , 2019, , .		4
10	Selecting Impedance States in a Passive Computational RFID Tag Backscattering in PSK. IEEE Microwave and Wireless Components Letters, 2019, 29, 680-682.	3.2	3
11	Protocol for Streaming Data from an RFID Sensor Network. Proceedings (mdpi), 2018, 2, .	0.2	2
12	Experimental Validation of Anti-Collision Protocols for RFID Sensor Networks. , 2018, , .		0
13	Transportation Ecosystem Framework in Fog to Cloud Environment. , 2018, , .		1
14	A Comparison of RFID Anti-Collision Protocols for Tag Identification. Applied Sciences (Switzerland), 2018, 8, 1282.	2.5	14
15	Timing-Aware RFID Anti-Collision Protocol to Increase the Tag Identification Rate. IEEE Access, 2018, 6, 33529-33541.	4.2	11
16	Energy-Aware RFID Anti-Collision Protocol. Sensors, 2018, 18, 1904.	3.8	8
17	Scalable RFID Tag Estimator With Enhanced Accuracy and Low Estimation Time. IEEE Signal Processing Letters, 2017, 24, 982-986.	3.6	16
18	Influence of the Distribution of Tag IDs on RFID Memoryless Anti-Collision Protocols. Sensors, 2017, 17, 1891.	3.8	7

#	ARTICLE	IF	CITATIONS
19	A High Throughput Anticollision Protocol to Decrease the Energy Consumption in a Passive RFID System. <i>Wireless Communications and Mobile Computing</i> , 2017, 2017, 1-10.	1.2	1
20	Influence of Managing the Number of Tag Bits Transmitted on the Query Tree RFID Collision Resolution Protocol. <i>Journal of Communications Software and Systems</i> , 2017, 9, 35.	0.8	2
21	TIMON Project. , 2016, , .		1
22	Fast fuzzy anti-collision protocol for the RFID standard EPC Gen2. <i>Electronics Letters</i> , 2016, 52, 663-665.	1.0	15
23	An Energy and Identification Time Decreasing Procedure for Memoryless RFID Tag Anticollision Protocols. <i>IEEE Transactions on Wireless Communications</i> , 2016, 15, 4234-4247.	9.2	59
24	Reducing Transmitted Bits in a Memoryless RFID Anti-collision Protocol. , 2016, , .		0
25	Bandpass filter-like antenna validation in an ultra-wideband in-car wireless channel. <i>IET Communications</i> , 2015, 9, 532-540.	2.2	8
26	Hardware based design and performance evaluation of a tree based RFID anti-collision protocol. , 2015, , .		0
27	Hardware based analysis of RFID anti-collision protocols based on the standard EPCglobal Class-1 Generation-2. , 2015, , .		2
28	Managing the Number of Tag Bits Transmitted in a Bit-Tracking RFID Collision Resolution Protocol. <i>Sensors</i> , 2014, 14, 1010-1027.	3.8	72
29	Simplified computation in memoryless anti-collision RFID identification protocols. <i>Electronics Letters</i> , 2014, 50, 1250-1252.	1.0	14
30	A Fast RFID Identification Protocol with Low Tag Complexity. <i>IEEE Communications Letters</i> , 2013, 17, 1704-1706.	4.1	19
31	Telematics system for the intelligent transport and distribution of medicines. <i>IET Intelligent Transport Systems</i> , 2013, 7, 131-137.	3.0	11
32	IVAN: Intelligent Van for the Distribution of Pharmaceutical Drugs. <i>Sensors</i> , 2012, 12, 6587-6609.	3.8	24
33	Analysis of an UHF-RFID system in a metallic closed vehicle. , 2012, , .		0
34	Measurement and modeling of a UHF-RFID system in a metallic closed vehicle. <i>Microwave and Optical Technology Letters</i> , 2012, 54, 2126-2130.	1.4	28
35	Easily deployable solution based on wireless technologies for traceability of pharmaceutical drugs. , 2011, , .		1