Antonio J, Jara

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3665348/publications.pdf

Version: 2024-02-01

131 papers	4,068 citations	304743 22 h-index	189892 50 g-index
138 all docs	138 docs citations	138 times ranked	4342 citing authors

#	Article	IF	Citations
1	Internet of Things and Big Data Analytics for Smart and Connected Communities. IEEE Access, 2016, 4, 766-773.	4.2	697
2	A survey of Internet-of-Things: Future vision, architecture, challenges and services. , 2014, , .		323
3	An internet of thingsâ€"based personal device for diabetes therapy management in ambient assisted living (AAL). Personal and Ubiquitous Computing, 2011, 15, 431-440.	2.8	239
4	Interconnection Framework for mHealth and Remote Monitoring Based on the Internet of Things. IEEE Journal on Selected Areas in Communications, 2013, 31, 47-65.	14.0	232
5	A Global Perspective of Smart Cities: A Survey. , 2013, , .		136
6	Semantic Web of Things: an analysis of the application semantics for the IoT moving towards the IoT convergence. International Journal of Web and Grid Services, 2014, 10, 244.	0.5	119
7	Toward a Lightweight Authentication and Authorization Framework for Smart Objects. IEEE Journal on Selected Areas in Communications, 2015, 33, 690-702.	14.0	115
8	Smart Lighting Solutions for Smart Cities. , 2013, , .		111
9	DCapBAC: embedding authorization logic into smart things through ECC optimizations. International Journal of Computer Mathematics, 2016, 93, 345-366.	1.8	92
10	Mobile digcovery: discovering and interacting with the world through the Internet of things. Personal and Ubiquitous Computing, 2014, 18, 323-338.	2.8	74
11	An extensible and active semantic model of information organizing for the Internet of Things. Personal and Ubiquitous Computing, 2014, 18, 1821-1833.	2.8	63
12	Big data: the key to energy efficiency in smart buildings. Soft Computing, 2016, 20, 1749-1762.	3.6	58
13	Survey of Internet of Things Technologies for Clinical Environments. , 2013, , .		57
14	Glowbal IP: An Adaptive and Transparent IPv6 Integration in the Internet of Things. Mobile Information Systems, 2012, 8, 177-197.	0.6	55
15	An Architecture Based on Internet of Things to Support Mobility and Security in Medical Environments. , 2010, , .		52
16	Drug identification and interaction checker based on IoT to minimize adverse drug reactions and improve drug compliance. Personal and Ubiquitous Computing, 2014, 18, 5-17.	2.8	50
17	Service Discovery Protocols for Constrained Machine-to-Machine Communications. IEEE Communications Surveys and Tutorials, 2014, 16, 41-60.	39.4	50
18	Drugs interaction checker based on IoT. , 2010, , .		48

#	Article	IF	Citations
19	A Network Mobility Solution Based on 6LoWPAN Hospital Wireless Sensor Network (NEMO-HWSN). , 2013, , .		48
20	Internet of Things for Cultural Heritage of Smart Cities and Smart Regions. , 2015, , .		48
21	Optimized ECC Implementation for Secure Communication between Heterogeneous IoT Devices. Sensors, 2015, 15, 21478-21499.	3.8	43
22	HWSN6: Hospital Wireless Sensor Networks Based on 6LoWPAN Technology: Mobility and Fault Tolerance Management. , 2009, , .		42
23	A Pharmaceutical Intelligent Information System to detect allergies and Adverse Drugs Reactions based on internet of things. , 2010, , .		41
24	Knowledge Acquisition and Management Architecture for Mobile and Personal Health Environments Based on the Internet of Things. , 2012, , .		40
25	IoT6 â€“ Moving to an IPv6-Based Future IoT. Lecture Notes in Computer Science, 2013, , 161-172.	1.3	39
26	Light-Weight Multicast DNS and DNS-SD (lmDNS-SD): IPv6-Based Resource and Service Discovery for the Web of Things. , 2012, , .		37
27	RPL-based networks in static and mobile environment: A performance assessment analysis. Journal of King Saud University - Computer and Information Sciences, 2018, 30, 320-333.	3.9	37
28	Participative marketing: extending social media marketing through the identification and interaction capabilities from the Internet of things. Personal and Ubiquitous Computing, 2014, 18, 997-1011.	2.8	35
29	Telematic platform for integral management of agricultural/perishable goods in terrestrial logistics. Computers and Electronics in Agriculture, 2012, 80, 31-40.	7.7	33
30	Challenges of the Internet of Things: IPv6 and Network Management. , 2014, , .		32
31	Semantic edge computing and IoT architecture for military health services in battlefield. , 2017, , .		32
32	Big data for smart cities with KNIME a real experience in the SmartSantander testbed. Software - Practice and Experience, 2015, 45, 1145-1160.	3.6	31
33	Enabling end-to-end CoAP-based communications for the Web of Things. Journal of Network and Computer Applications, 2016, 59, 230-236.	9.1	31
34	An Analysis of M2M Platforms: Challenges and Opportunities for the Internet of Things. , 2012, , .		30
35	Performance assessment of the routing protocol for low power and lossy networks. , 2015, , .		29
36	Big Data for Cyber Physical Systems: An Analysis of Challenges, Solutions and Opportunities. , 2014, , .		28

#	Article	IF	Citations
37	IPv6 Addressing Proxy: Mapping Native Addressing from Legacy Technologies and Devices to the Internet of Things (IPv6). Sensors, 2013, 13, 6687-6712.	3.8	27
38	Big Data in Smart Cities: From Poisson to Human Dynamics. , 2014, , .		26
39	Social Internet of Things: The Potential of the Internet of Things for Defining Human Behaviours. , 2014, , .		26
40	Transforming Communication Channels to the Co-Creation and Diffusion of Intangible Heritage in Smart Tourism Destination: Creation and Testing in CeutÃ-(Spain). Sustainability, 2019, 11, 3848.	3.2	26
41	Marketing 4.0: A New Value Added to the Marketing through the Internet of Things. , 2012, , .		25
42	Mobile Digcovery: A Global Service Discovery for the Internet of Things. , 2013, , .		25
43	Mobile IP-Based Protocol for Wireless Personal Area Networks in Critical Environments. Wireless Personal Communications, 2011, 61, 711-737.	2.7	24
44	An ontology and rule based intelligent information system to detect and predict myocardial diseases. , 2009, , .		22
45	Extending the Internet of Things to the Future Internet Through IPv6 Support. Mobile Information Systems, 2014, 10, 3-17.	0.6	21
46	Communication Protocol for Enabling Continuous Monitoring of Elderly People through Near Field Communications. Interacting With Computers, 2014, 26, 145-168.	1.5	21
47	Mobility Support for the Routing Protocol in Low Power and Lossy Networks. , 2016, , .		20
48	Architecture for Improving Terrestrial Logistics Based on the Web of Things. Sensors, 2012, 12, 6538-6575.	3.8	19
49	Wearable Internet: Powering Personal Devices with the Internet of Things Capabilities. , 2014, , .		19
50	Intra-mobility for Hospital Wireless Sensor Networks Based on 6LoWPAN. , 2010, , .		18
51	Evaluation of Bluetooth Low Energy Capabilities for Continuous Data Transmission from a Wearable Electrocardiogram. , 2012, , .		18
52	Secure and scalable mobility management scheme for the Internet of Things integration in the future internet architecture. International Journal of Ad Hoc and Ubiquitous Computing, 2013, 13, 228.	0.5	18
53	A soft computing based location-aware access control for smart buildings. Soft Computing, 2014, 18, 1659-1674.	3.6	17
54	A Novel Distributed SDN-Secured Architecture for the IoT. , 2016, , .		17

#	Article	IF	Citations
55	Shifting primes: Optimizing elliptic curve cryptography for 16-bit devices without hardware multiplier. Mathematical and Computer Modelling, 2013, 58, 1155-1174.	2.0	15
56	OF-ECF: A New Optimization of the Objective Function for Parent Selection in RPL. , 2019, , .		15
57	Evaluation of the Impact of Furniture on Communications Performance for Ubiquitous Deployment of Wireless Sensor Networks in Smart Homes. Sensors, 2012, 12, 6463-6496.	3.8	14
58	Secure cloud networks for connected & automated vehicles. , 2015, , .		14
59	An Ambient Assisted Living System for Telemedicine with Detection of Symptoms. Lecture Notes in Computer Science, 2009, , 75-84.	1.3	13
60	Secure layers based architecture for Internet of Things. , 2015, , .		13
61	Data-Driven Automated Cardiac Health Management with Robust Edge Analytics and De-Risking. Sensors, 2019, 19, 2733.	3.8	13
62	An Architecture for Ambient Assisted Living and Health Environments. Lecture Notes in Computer Science, 2009, , 882-889.	1.3	13
63	Lightweight MIPv6 with IPSec Support. Mobile Information Systems, 2014, 10, 37-77.	0.6	12
64	Towards semantically linked multilingual corpus. International Journal of Information Management, 2015, 35, 387-395.	17.5	12
65	HyRA: A Hybrid Recommendation Algorithm Focused on Smart POI. CeutÃ-as a Study Scenario. Sensors, 2018, 18, 890.	3.8	12
66	Determining Human Dynamics through the Internet of Things. , 2013, , .		10
67	Extending Extensible Authentication Protocol over IEEE 802.15.4 Networks. , 2014, , .		9
68	Short paper: Sensors data fusion for Smart Cities with KNIME: A real experience in the SmartSantander Testbed. , 2014, , .		9
69	Harvesting Entropy for Random Number Generation for Internet of Things Constrained Devices Using On-Board Sensors. Sensors, 2015, 15, 26838-26865.	3.8	9
70	How to intelligently make sense of real data of smart cities. , 2015, , .		9
71	AIoTES: Setting the principles for semantic interoperable and modern IoT-enabled reference architecture for Active and Healthy Ageing ecosystems. Computer Communications, 2021, 177, 96-111.	5.1	8
72	Shifting Primes: Optimizing Elliptic Curve Cryptography for Smart Things. , 2012, , .		7

#	Article	IF	Citations
73	Interaction of Patients with Breathing Problems through NFC in Ambient Assisted Living Environments. , 2012, , .		7
74	A predictive data-driven model for traffic-jams forecasting in smart santader city-scale testbed. , 2015, , .		7
75	Exploiting IoT-based sensed data in smart buildings to model its energy consumption. , 2015, , .		7
76	Analysis of different techniques to define metadata structure in NFC/RFID cards to reduce access latency, optimize capacity, and guarantee integrity. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 192-197.	0.4	6
77	Efficiently Observing Internet of Things Resources. , 2012, , .		6
78	Big Data and Knowledge Extraction for Cyber-Physical Systems. International Journal of Distributed Sensor Networks, 2015, 11, 231527.	2.2	6
79	Emergency Population Warning about Floods by Social Media. , 2016, , .		6
80	Process execution in humanized Cyber-physical systems: Soft processes. , 2017, , .		6
81	Crowd Monitoring in Smart Destinations Based on GDPR-Ready Opportunistic RF Scanning and Classification of WiFi Devices to Identify and Classify Visitorsâ€™ Origins. Electronics (Switzerland), 2022, 11, 835.	3.1	6
82	Mobility Modeling and Security Validation of a Mobility Management Scheme Based on ECC for IP-based Wireless Sensor Networks (6LoWPAN). , 2011, , .		5
83	Enabling Participative Marketing through the Internet of Things. , 2013, , .		5
84	Lightweight Mobile IPv6: A mobility protocol for enabling transparent IPv6 mobility in the Internet of Things. , 2013, , .		5
85	Short paper: A scripting-free control logic editor for the Internet of Things. , 2014, , .		5
86	EAP for IoT: More Efficient Transport of Authentication Data -- TEPANOM Case Study. , 2015, , .		5
87	Smart Cities Semantics and Data Models. Advances in Intelligent Systems and Computing, 2018, , 77-85.	0.6	5
88	Analysis of the Future Internet of Things Capabilities for Continuous Temperature Monitoring of Blood Bags in Terrestrial Logistic Systems. Lecture Notes in Computer Science, 2011, , 558-566.	1.3	5
89	YOAPY: A Data Aggregation and Pre-processing Module for Enabling Continuous Healthcare Monitoring in the Internet of Things. Lecture Notes in Computer Science, 2012, , 248-255.	1.3	5
90	Ambient Assisted Living Tools for a Sustanaible Aging Society. Modeling and Optimization in Science and Technologies, 2014, , 193-220.	0.7	5

#	Article	IF	Citations
91	Evaluation Framework for IEEE 802.15.4 and IEEE 802.11 for Smart Cities. , 2013, , .		4
92	A process-based Internet of Things. , 2014, , .		4
93	Microwave energy transduction using planar technology. Electronics Letters, 2015, 51, 499-501.	1.0	4
94	Protecting Physical Communications in 5G C-RAN Architectures through Resonant Mechanisms in Optical Media. Sensors, 2020, 20, 4104.	3.8	4
95	Trust Extension Protocol for Authentication in Networks Oriented to Management (TEPANOM). Lecture Notes in Computer Science, 2014, , 155-165.	1.3	4
96	A NEMO-HWSN solution to support 6LoWPAN network mobility in hospital wireless sensor network. Computer Science and Information Systems, 2014, 11, 943-960.	1.0	4
97	I-BAT. International Journal of Data Warehousing and Mining, 2016, 12, 39-61.	0.6	4
98	Web of Things as a Product Improvement tool: Furniture as Case Study. , 2012, , .		3
99	IEEE Access Special Section Editorial: Smart Cities. IEEE Access, 2016, 4, 3671-3674.	4.2	3
100	Knowledge-Driven Analytics and Systems Impacting Human Quality of Life. , 2019, , .		3
101	An Ambient Assisted Living Platform to Integrate Biometric Sensors to Detect Respiratory Failures for Patients with Serious Breathing Problems. Lecture Notes in Computer Science, 2011, , 122-130.	1.3	3
102	Real-Time Monitoring System for Watercourse Improvement and Flood Forecast. Communications in Computer and Information Science, 2011, , 311-319.	0.5	3
103	GAIA Extended Research Infrastructure: Sensing, Connecting, and Processing the Real World. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 3-4.	0.3	3
104	Oxygen Cylinders Management Architecture Based on Internet of Things. , 2011, , .		2
105	Evolution Towards Better AAL Environments. , 2013, , .		2
106	Test Set Validation for Home Electrical Signal Disaggregation. , 2014, , .		2
107	Compact Extensible Authentication Protocol for the Internet of Things: Enabling Scalable and Efficient Security Commissioning. Mobile Information Systems, 2015, 2015, 1-11.	0.6	2
108	A Novel Privacy and Security Framework for the Cloud Network Services. , 2015, , .		2

#	Article	IF	Citations
109	The Challenges of NEMO in 6LoWPAN Smart Building Area. , 2016, , .		2
110	Guest Editorial: Design and Analysis of Communication Interfaces for Industry 4.0. IEEE Journal on Selected Areas in Communications, 2020, 38, 797-802.	14.0	2
111	Internet of Things, Linked Data, and Citizen Participation as Enablers of Smarter Cities. International Journal of Distributed Sensor Networks, 2016, 12, 2595847.	2.2	2
112	Secure Mobility Management Scheme for 6LoWPAN ID/Locator Split Architecture. , 2011, , .		1
113	Novel Adjustable Microstrip Devices for Microwave Power Division and Impedance Matching. Journal of Microwave Power and Electromagnetic Energy, 2014, 48, 13-24.	0.8	1
114	Maximizing the Extensible Authentication Protocol Maximum Transfer Unit to Minimize the Authenticating Data Transmission in the IEEE 802.15.4 Networks. , 2015, , .		1
115	Enabling federated emergencies and Public Safety Answering Points with wearable and mobile Internet of Things support: An approach based on EENA and OMA LWM2M emerging standards. , 2015, , .		1
116	Towards a Human Centric Intelligent Society: Using Cloud and the Web of Everything to Facilitate New Social Infrastructures. , 2015, , .		1
117	Extending Near Field Communications to Enable Continuous Data Transmission in Clinical Environments. Lecture Notes in Computer Science, 2012, , 109-116.	1.3	1
118	Shifting Primes on OpenRISC Processors with Hardware Multiplier. Lecture Notes in Computer Science, 2013, , 540-549.	1.3	1
119	Creating Predictive Models for Forecasting the Accident Rate in Mountain Roads Using VANETs. Advances in Intelligent Systems and Computing, 2018, , 319-329.	0.6	1
120	Evaluation of the electromagnetic absorption in furniture for the integration of UHF-RFID tags. , 2011, , .		0
121	Welcome Message from the esIoT-2012 General Chairs. , 2012, , .		0
122	Home Telehealth Interventions for People with Asthma. , 2012, , .		0
123	Welcome Message from the PITSaC 2013 Workshop Co-Chairs. , 2013, , .		0
124	Mobility management in bluetooth low energy. , 2014, , .		0
125	Welcome Message from the PITSaC 2014 Workshop General Chairs. , 2014, , .		0
126	Maximizing the Extensible Authentication Protocol Maximum Transfer Unit to Minimize the Authenticating Data Transmission in the IEEE 802.15.4 Networks. , 2014, , .		0

#	Article	IF	Citations
127	Editorial for Advances in Intelligent Mobile Applications Special Issue. Mobile Networks and Applications, 2016, 21, 296-298.	3.3	0
128	When smart comes to town: A mobile platform for smart district services. , 2018, , .		0
129	Intelligent System to Quality Assurance in Drugs Delivery. , 2012, , 187-202.		0
130	I-BAT. , 2020, , 630-654.		0
131	Transforming Future Cities: Smart City. Electronics (Switzerland), 2022, 11, 1534.	3.1	0