

# Agustin Zaballos

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

683  
citations

840119

11  
h-index

610482

24  
g-index

49  
all docs

49  
docs citations

49  
times ranked

584  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneous communication architecture for the smart grid. IEEE Network, 2011, 25, 30-37.	4.9	190
2	A Smart Campusâ€™™ Digital Twin for Sustainable Comfort Monitoring. Sustainability, 2020, 12, 9196.	1.6	76
3	Survey and Performance Comparison of AMR Over PLC Standards. IEEE Transactions on Power Delivery, 2009, 24, 604-613.	2.9	51
4	Improving data partition schemes in Smart Grids via clustering data streams. Expert Systems With Applications, 2014, 41, 5832-5842.	4.4	31
5	Next-generation QoS control architectures for distribution smart grid communication networks. IEEE Communications Magazine, 2012, 50, 128-134.	4.9	28
6	Solutions to the Computer Networking Challenges of the Distribution Smart Grid. IEEE Communications Letters, 2013, 17, 588-591.	2.5	22
7	The Information System of INTEGRIS: INTelligent Electrical GRId Sensor Communications. IEEE Transactions on Industrial Informatics, 2013, 9, 1548-1560.	7.2	20
8	Using IEC 61850 GOOSE Service for Adaptive ANSI 67/67N Protection in Ring Main Systems with Distributed Energy Resources. Energies, 2017, 10, 1685.	1.6	19
9	State of the Art of IPv6 Conformance and Interoperability Testing. , 2007, 45, 140-146.		18
10	Social Internet of Energyâ€™™A New Paradigm for Demand Side Management. IEEE Internet of Things Journal, 2019, 6, 9853-9867.	5.5	18
11	Prototyping a Web-of-Energy Architecture for Smart Integration of Sensor Networks in Smart Grids Domain. Sensors, 2018, 18, 400.	2.1	16
12	Ontology-Defined Middleware for Internet of Things Architectures. Sensors, 2019, 19, 1163.	2.1	12
13	A Genetic QoS-Aware Routing Protocol for the Smart Electricity Networks. International Journal of Distributed Sensor Networks, 2013, 9, 135056.	1.3	11
14	An Integral Pedagogical Strategy for Teaching and Learning IoT Cybersecurity. Sensors, 2020, 20, 3970.	2.1	11
15	A Heuristic to Create Prosumer Community Groups in the Social Internet of Energy. Sensors, 2020, 20, 3704.	2.1	11
16	Security issues and threats that may affect the hybrid cloud of FINESCE. Network Protocols and Algorithms, 2016, 8, 26.	1.0	10
17	Automatic tutoring system to support cross-disciplinary training in Big Data. Journal of Supercomputing, 2021, 77, 1818-1852.	2.4	10
18	Heterogeneous wireless IoT architecture for natural disaster monitorization. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	1.5	9

#	ARTICLE	IF	CITATIONS
19	High Performance Web of Things Architecture for the Smart Grid Domain. International Journal of Distributed Sensor Networks, 2015, 11, 347413.	1.3	8
20	Prototyping a Software Defined Utility. Energies, 2017, 10, 818.	1.6	8
21	Lessons Learned from Wireless Sensor Networks with Application to AMR and PLC. , 2007, , .		7
22	A Data-Driven Approach to Quantify and Measure Students's™ Engagement in Synchronous Virtual Learning Environments. Sensors, 2022, 22, 3294.	2.1	7
23	Simulation and modeling of the coexistence of polling and contention in PLC based AMR systems. , 2007, , .		6
24	Smart Grid ICT Research Lines out of the European Project INTEGRIS. Network Protocols and Algorithms, 2014, 6, 93.	1.0	6
25	Communication Technologies in Emergency Situations. Electronics (Switzerland), 2022, 11, 1155.	1.8	6
26	Performance of a Policy-Based Management System in IPv6 Networks Using COPS-PR. , 2007, , .		5
27	Evaluation of a Policy-Based QoS Management Architecture over an IPv6 DiffServ testbed. , 2007, , .		5
28	End-to-end QoS management proposal for the ITU-T IMS/NGN architecture. , 2008, , .		5
29	A Custom Approach for a Flexible, Real-Time and Reliable Software Defined Utility. Sensors, 2018, 18, 718.	2.1	5
30	PyFF: A Fog-Based Flexible Architecture for Enabling Privacy-by-Design IoT-Based Communal Smart Environments. Sensors, 2021, 21, 3640.	2.1	5
31	A distributed vulnerability detection system for WLANs. , 2005, , .		4
32	Model for polling in noisy multihop systems with application to PLC and AMR. , 2008, , .		4
33	Resource Allocation on a Hybrid Cloud for Smart Grids. Network Protocols and Algorithms, 2016, 8, 7.	1.0	4
34	Advanced HF Communications for Remote Sensors in Antarctica. , 0, , .		4
35	Adaptive and aggressive transport protocol to provide QoS in cloud data exchange over Long Fat Networks. Future Generation Computer Systems, 2021, 115, 34-44.	4.9	4
36	Master as a Service. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
37	DTN Trustworthiness for Permafrost Telemetry IoT Network. Remote Sensing, 2021, 13, 4493.	1.8	4
38	A Genetic-Based QoS Aware Routing for Ubiquitous Sensor Networks. , 2009, , .		3
39	A Heterogeneous Layer-Based Trustworthiness Model for Long Backhaul NVIS Challenging Networks and an IoT Telemetry Service for Antarctica. Sensors, 2021, 21, 3446.	2.1	3
40	SC-FDE Layer for Sensor Networks in Remote Areas Using NVIS Communications. Electronics (Switzerland), 2021, 10, 1636.	1.8	3
41	QoS Broker based architecture design for the PLC access network. , 2009, , .		2
42	Sagittarius: A tool to enhance the collaboratibe work in virtual learning environments. , 2014, , .		2
43	Wireless Loss Detection over Fairly Shared Heterogeneous Long Fat Networks. Electronics (Switzerland), 2021, 10, 987.	1.8	2
44	Implementation of Traffic Engineering in NGNs Using Hybrid Genetic Algorithms. , 2008, , .		1
45	Optimizing the Usage of COPS Protocol in ITU-T NGN Architecture. , 2010, , .		1
46	Security in OPERA Specification Based PLC Systems. , 2010, , .		1
47	Issues of QoS Multipath Routing Protocol for SEN's Data Networks. , 2010, , .		1
48	QoS broker based management for heterogeneous Smart Electricity Networks. , 2010, , .		0
49	Web of Energy: hacia la integraci3n inteligente para las redes de sensores en Smart Grids. , 0, , .		0