José-Fernán Martínez

List of Publications by Year
in descending order

77	1,720	331670	302126
papers	citations	21	39
		h-index	g-index

77	77	77	2285
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Security for UDNs: A Step Toward 6G. , 2022, , 167-201.		0
2	On the Performance Analysis of IDLP and SpaceMac for Network Coding-Enabled Mobile Small Cells. IEEE Communications Letters, 2021, 25, 407-411.	4.1	0
3	The Network-Based Candidate Forwarding Set Optimization for Opportunistic Routing. IEEE Sensors Journal, 2021, 21, 23626-23644.	4.7	6
4	Geographical and Topology Control-Based Opportunistic Routing for Ad Hoc Networks. IEEE Sensors Journal, 2021, 21, 8691-8704.	4.7	8
5	A Dynamic Membership Group-Based Multiple-Data Aggregation Scheme for Smart Grid. IEEE Internet of Things Journal, 2021, 8, 12360-12374.	8.7	11
6	An Elliptic Curve-Based Scalable Data Aggregation Scheme for Smart Grid. IEEE Systems Journal, 2020, 14, 2066-2077.	4.6	15
7	Aggregate Farming in the Cloud: The AFarCloud ECSEL project. Microprocessors and Microsystems, 2020, 78, 103218.	2.8	22
8	Continuous Delivery of Customized SaaS Edge Applications in Highly Distributed IoT Systems. IEEE Internet of Things Journal, 2020, 7, 10189-10199.	8.7	7
9	IDLP: An Efficient Intrusion Detection and Location-Aware Prevention Mechanism for Network Coding-Enabled Mobile Small Cells. IEEE Access, 2020, 8, 43863-43875.	4.2	17
10	Proposal of an Automated Mission Manager for Cooperative Autonomous Underwater Vehicles. Applied Sciences (Switzerland), 2020, 10, 855.	2.5	5
11	Survey of Mission Planning and Management Architectures for Underwater Cooperative Robotics Operations. Applied Sciences (Switzerland), 2020, 10, 1086.	2.5	5
12	An End-to-End-Based Low Dimensional Binary Embedding for Chrysanthemum Phenotypic Petal Similarity Evaluation. IEEE Access, 2019, 7, 152214-152223.	4.2	0
13	A Homomorphic-Based Multiple Data Aggregation Scheme for Smart Grid. IEEE Sensors Journal, 2019, 19, 3921-3929.	4.7	55
14	A Bilinear Map Pairing Based Authentication Scheme for Smart Grid Communications: PAuth. IEEE Access, 2019, 7, 22633-22643.	4.2	44
15	A Novel Intrusion Detection and Prevention Scheme for Network Coding-Enabled Mobile Small Cells. IEEE Transactions on Computational Social Systems, 2019, 6, 1467-1477.	4.4	25
16	A Location-aware IDPS scheme for Network Coding-enabled Mobile Small Cells. , 2019, , .		7
17	The AFarCloud ECSEL Project. , 2019, , .		1
18	Security Threats in Network Coding-Enabled Mobile Small Cells. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 337-346.	0.3	4

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19	A Semantic-Middleware-Supported Receding Horizon Optimal Power Flow in Energy Grids. IEEE Transactions on Industrial Informatics, 2018, 14, 35-46.	11.3	24
20	A New High-Efficiency Multilevel Frequency-Modulation Different Chaos Shift Keying Communication System. IEEE Systems Journal, 2018, 12, 3334-3345.	4.6	12
21	A Privacy-Preserving Noise Addition Data Aggregation Scheme for Smart Grid. Energies, 2018, 11, 2972.	3.1	13
22	A Lightweight Privacy Protection User Authentication and Key Agreement Scheme Tailored for the Internet of Things Environment: LightPriAuth. Journal of Sensors, 2018, 2018, 1-16.	1.1	19
23	A Lightweight Anonymous Client–Server Authentication Scheme for the Internet of Things Scenario: LAuth. Sensors, 2018, 18, 3695.	3.8	6
24	Cross-Layer and Reliable Opportunistic Routing Algorithm for Mobile Ad Hoc Networks. IEEE Sensors Journal, 2018, 18, 5595-5609.	4.7	23
25	Distributed Power Control for Interference-Aware Multi-User Mobile Edge Computing: A Game Theory Approach. IEEE Access, 2018, 6, 36105-36114.	4.2	25
26	Probability Prediction-Based Reliable and Efficient Opportunistic Routing Algorithm for VANETs. IEEE/ACM Transactions on Networking, 2018, 26, 1933-1947.	3.8	60
27	Cross-Layer Balanced Relay Node Selection Algorithm for Opportunistic Routing in Underwater Ad-Hoc Networks. , 2018, , .		5
28	Uncertainty Quantification in Mathematics-Embedded Ontologies Using Stochastic Reduced Order Model. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 912-920.	5.7	2
29	Usage of VR Headsets for Rehabilitation Exergames. Lecture Notes in Computer Science, 2017, , 434-442.	1.3	4
30	Precise Real-Time Detection of Nonforested Areas With UAVs. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 632-644.	6.3	17
31	New Approaches to Exciting Exergame-Experiences for People with Motor Function Impairments. Sensors, 2017, 17, 354.	3.8	25
32	AEKF-SLAM: A New Algorithm for Robotic Underwater Navigation. Sensors, 2017, 17, 1174.	3.8	29
33	Towards a Hybrid Approach to Context Reasoning for Underwater Robots. Applied Sciences (Switzerland), 2017, 7, 183.	2.5	14
34	Fast Evaluation of Segmentation Quality with Parallel Computing. Scientific Programming, 2017, 2017, 1-9.	0.7	1
35	Algorithms for the detection of first bottom returns and objects in the water column in sidescan sonar images. , 2017, , .		5
36	A Privacy Protection User Authentication and Key Agreement Scheme Tailored for the Internet of Things Environment: PriAuth. Wireless Communications and Mobile Computing, 2017, 2017, 1-17.	1.2	20

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37	An Anonymous Authentication and Key Establish Scheme for Smart Grid: FAuth. Energies, 2017, 10, 1354.	3.1	49
38	Development of Middleware Applied to Microgrids by Means of an Open Source Enterprise Service Bus. Energies, 2017, 10, 172.	3.1	3
39	Development of a Decision Making Algorithm for Traffic Jams Reduction Applied to Intelligent Transportation Systems. Journal of Sensors, 2016, 2016, 1-16.	1.1	1
40	Trust and Privacy Solutions Based on Holistic Service Requirements. Sensors, 2016, 16, 16.	3.8	15
41	Probability of Interference-Optimal and Energy-Efficient Analysis for Topology Control in Wireless Sensor Networks. Applied Sciences (Switzerland), 2016, 6, 396.	2.5	2
42	A Survey on Intermediation Architectures for Underwater Robotics. Sensors, 2016, 16, 190.	3.8	10
43	Contribution towards intelligent service management in wearable and ubiquitous devices. Journal of Ambient Intelligence and Smart Environments, 2016, 8, 79-80.	1.4	1
44	A Survey on Underwater Acoustic Sensor Network Routing Protocols. Sensors, 2016, 16, 414.	3.8	153
45	A Study on Applicability of Distributed Energy Generation, Storage and Consumption within Small Scale Facilities. Energies, 2016, 9, 745.	3.1	12
46	Probability Model Based Energy Efficient and Reliable Topology Control Algorithm. Energies, 2016, 9, 841.	3.1	1
47	Efficient Forest Fire Detection Index for Application in Unmanned Aerial Systems (UASs). Sensors, 2016, 16, 893.	3.8	106
48	An Improved Otsu Threshold Segmentation Method for Underwater Simultaneous Localization and Mapping-Based Navigation. Sensors, 2016, 16, 1148.	3.8	40
49	Intensity normalization of sidescan sonar imagery. , 2016, , .		6
50	A New Fuzzy Ontology Development Methodology (FODM) Proposal. IEEE Access, 2016, 4, 7111-7124.	4.2	10
51	MetodologÃa para evaluar funciones y productos de vigilancia tecnolÃ³gica e inteligencia competitiva (VT/IC) y su implementaciÃ³n a travÃ©s de web. Profesional De La Informacion, 2016, 25, 103.	2.7	5
52	The Balanced Cross-Layer Design Routing Algorithm in Wireless Sensor Networks Using Fuzzy Logic. Sensors, 2015, 15, 19541-19559.	3.8	20
53	ResilientWireless Sensor Networks Using Topology Control: A Review. Sensors, 2015, 15, 24735-24770.	3.8	20
54	Self-Adaptive Strategy Based on Fuzzy Control Systems for Improving Performance in Wireless Sensors Networks. Sensors, 2015, 15, 24125-24142.	3.8	7

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55	Context Aware Middleware Architectures: Survey and Challenges. Sensors, 2015, 15, 20570-20607.	3.8	106
56	SensoTrust: Trustworthy Domains in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 484820.	2.2	6
57	SoluciÃ³n para garantizar la privacidad en internet de las cosas. Profesional De La Informacion, 2015, 24, 62-70.	2.7	3
58	Localized and Energy-Efficient Topology Control in Wireless Sensor Networks Using Fuzzy-Logic Control Approaches. Mathematical Problems in Engineering, 2014, 2014, 1-11.	1.1	8
59	Service architecting and dynamic composition in pervasive smart ecosystems for the internet of things based on sensor network technology. Journal of Ambient Intelligence and Smart Environments, 2014, 6, 331-333.	1.4	3
60	Business Models in the Smart Grid: Challenges, Opportunities and Proposals for Prosumer Profitability. Energies, 2014, 7, 6142-6171.	3.1	118
61	Virtualization of Event Sources in Wireless Sensor Networks for the Internet of Things. Sensors, 2014, 14, 22737-22753.	3.8	9
62	A Semantic Middleware Architecture Focused on Data and Heterogeneity Management within the Smart Grid. Energies, 2014, 7, 5953-5994.	3.1	16
63	A Novel Topology Control Approach to Maintain the Node Degree in Dynamic Wireless Sensor Networks. Sensors, 2014, 14, 4672-4688.	3.8	22
64	Middleware Architectures for the Smart Grid: Survey and Challenges in the Foreseeable Future. Energies, 2013, 6, 3593-3621.	3.1	26
65	Integration of wearable devices in a wireless sensor network for an E-health application. IEEE Wireless Communications, 2013, 20, 38-49.	9.0	190
66	Automated determination of security services to ensure personal data protection in the Internet of Things applications. , 2013, , .		3
67	An Internet of Things Approach for Managing Smart Services Provided by Wearable Devices. International Journal of Distributed Sensor Networks, 2013, 9, 190813.	2.2	51
68	The Influence of Communication Range on Connectivity for Resilient Wireless Sensor Networks Using a Probabilistic Approach. International Journal of Distributed Sensor Networks, 2013, 9, 482727.	2.2	9
69	SMArc: A Proposal for a Smart, Semantic Middleware Architecture Focused on Smart City Energy Management. International Journal of Distributed Sensor Networks, 2013, 9, 560418.	2.2	23
70	Combining Wireless Sensor Networks and Semantic Middleware for an Internet of Things-Based Sportsman/Woman Monitoring Application. Sensors, 2013, 13, 1787-1835.	3.8	49
71	Nuevas tecnologÃas en anÃ¡lisis de inteligencia competitiva. Casos prÃ¡cticos. Profesional De La Informacion, 2013, 22, 448-454.	2.7	0
72	Knowledge-Aware and Service-Oriented Middleware for deploying pervasive services. Journal of Network and Computer Applications, 2012, 35, 562-576.	9.1	41

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73	Bringing pervasive embedded networks to the service cloud: A lightweight middleware approach. Journal of Systems Architecture, 2011, 57, 916-933.	4.3	17
74	Composition and deployment of e-Health services over Wireless Sensor Networks. Mathematical and Computer Modelling, 2011, 53, 485-503.	2.0	17
75	Wireless sensor networks in knowledge management. Procedia Computer Science, 2010, 1, 2291-2300.	2.0	2
76	Pervasive surveillance-agent system based on wireless sensor networks: design and deployment. Measurement Science and Technology, 2010, 21, 124005.	2.6	4
77	SECUAREA: Security in physical and logical areas. , 2007, , .		0