

Saioa Arrizabalaga

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

413
citations

1162367

8
h-index

794141

19
g-index

40
all docs

40
docs citations

40
times ranked

405
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart City Concept: What It Is and What It Should Be. Journal of the Urban Planning and Development Division, ASCE, 2016, 142, .	0.8	103
2	A Survey of IIoT Protocols. ACM Computing Surveys, 2021, 53, 1-53.	16.1	49
3	An Attribute-Based Access Control Model in RFID Systems Based on Blockchain Decentralized Applications for Healthcare Environments. Computers, 2019, 8, 57.	2.1	38
4	A Role-Based Access Control Model in Modbus SCADA Systems. A Centralized Model Approach. Sensors, 2019, 19, 4455.	2.1	34
5	Systematic Approach to Cyber Resilience Operationalization in SMEs. IEEE Access, 2020, 8, 174200-174221.	2.6	24
6	Methodological performance analysis applied to a novel IIoT access control system based on permissioned blockchain. Information Processing and Management, 2021, 58, 102558.	5.4	23
7	Cybersecurity-The Forgotten Issue in Railways: Security Can Be Woven into Safety Designs. IEEE Vehicular Technology Magazine, 2018, 13, 48-55.	2.8	10
8	A low-cost platform for testing activities in parkinson and ALS patients. , 2010, , .		9
9	Cyber Resilience Progression Model. Applied Sciences (Switzerland), 2020, 10, 7393.	1.3	9
10	Modbus Access Control System Based on SSI over Hyperledger Fabric Blockchain. Sensors, 2021, 21, 5438.	2.1	9
11	Advanced Train Location Simulator (ATLAS) for developing, testing and validating on-board railway location systems. European Transport Research Review, 2015, 7, .	2.3	8
12	Rolling stock emission testing methodology assessment for Balise Transmission Module system interoperability. Measurement: Journal of the International Measurement Confederation, 2016, 77, 124-131.	2.5	8
13	Map-Aided Software Enhancement for Autonomous GNSS Complementary Positioning System for Railway. IEEE Transactions on Vehicular Technology, 2019, 68, 11611-11620.	3.9	8
14	Multi-residential gateway: an innovative concept and a practical approach. IEEE Transactions on Consumer Electronics, 2008, 54, 444-452.	3.0	7
15	Methodology and Key Performance Indicators (KPIs) for Railway On-Board Positioning Systems. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 4035-4042.	4.7	7
16	Analysis of YouTube™s traffic adaptation to dynamic environments. Multimedia Tools and Applications, 2018, 77, 7977-8000.	2.6	7
17	Cyber Resilience Self-Assessment Tool (CR-SAT) for SMEs. IEEE Access, 2021, 9, 80741-80762.	2.6	7
18	Implementation and Validation of an Angle of Arrival (AoA) Determination System for Real-time on-board Train Positioning. Transportation Research Procedia, 2016, 14, 1950-1956.	0.8	5

#	ARTICLE	IF	CITATIONS
19	Complementary Positioning System in GNSS-denied Areas. Transportation Research Procedia, 2016, 14, 4562-4571.	0.8	5
20	Alarm Collector in Smart Train Based on Ethereum Blockchain Events-Log. IEEE Internet of Things Journal, 2021, 8, 13306-13315.	5.5	5
21	Survey of Environmental Effects in Railway Communications. Lecture Notes in Computer Science, 2018, , 56-67.	1.0	5
22	Panhead accelerations-based methodology for monitoring the stagger in overhead contact line systems. Mechanism and Machine Theory, 2022, 171, 104742.	2.7	5
23	Implementation and validation of an Angle of Arrival (AOA) determination system. , 2015, , .		4
24	A wireless sensor network PBL lab for the master in telecommunications engineering. , 2016, , .		4
25	The Order of the Factors DOES Alter the Product: Cyber Resilience Policiesâ€™ Implementation Order. Advances in Intelligent Systems and Computing, 2021, , 306-315.	0.5	4
26	An Attribute-Based Access Control using Chaincode in RFID Systems. , 2019, , .		3
27	A novel QoS architecture for multi-service provisioning in multi-residential gateways. IEEE Transactions on Consumer Electronics, 2009, 55, 477-485.	3.0	2
28	A RFID-based IoT Cybersecurity Lab in Telecommunications Engineering. , 2018, , .		2
29	Coexistence of safety and security: Synchronized redundant system with security enhancements. Quality and Reliability Engineering International, 2019, 35, 561-571.	1.4	2
30	The Hybrid GNSS/WCT Multi-coach Multi-constellation Train Positioning and Integrity System. , 0, , .		2
31	ETCS On-board Unit Safety Testing: Saboteurs, Testing Strategy and Results. Promet - Traffic - Traffico, 2017, 29, 213-223.	0.3	2
32	An Overview of Current IP Network Emulators for the Validation of Railways Wireless Communications. IEEE Access, 2020, 8, 109266-109274.	2.6	1
33	An Agent Based Semantic OSGi Service Architecture. , 2008, , 97-106.		1
34	QoS Management: Differentiating Services and Practical Views. , 0, , .		0
35	Virtual testing of the on-board ETCS with GNSS based Train integrity determination. , 2017, , .		0
36	Cyber Resilience Strategic Planning and Self-assessment Tool for Operationalization in SMEs. IFIP Advances in Information and Communication Technology, 2021, , 259-273.	0.5	0

#	ARTICLE	IF	CITATIONS
37	Towards decentralized and scalable architectures for Access Control Systems in IIoT environments. Colección Jornadas Y Congresos, 0, , .	0.0	0
38	IACAP. International Journal of Interdisciplinary Telecommunications and Networking, 2020, 12, 118-131.	0.2	0