

# Saioa Arrizabalaga

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36  
papers

217  
citations

7  
h-index

13  
g-index

40  
ext. papers

313  
ext. citations

3.5  
avg, IF

3.86  
L-index

#	Paper	IF	Citations
36	Panhead accelerations-based methodology for monitoring the stagger in overhead contact line systems. <i>Mechanism and Machine Theory</i> , <b>2022</b> , 171, 104742	4	0
35	The Order of the Factors DOES Alter the Product: Cyber Resilience Policies Implementation Order. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 306-315	0.4	4
34	Methodological performance analysis applied to a novel IIoT access control system based on permissioned blockchain. <i>Information Processing and Management</i> , <b>2021</b> , 58, 102558	6.3	10
33	Cyber Resilience Strategic Planning and Self-assessment Tool for Operationalization in SMEs. <i>IFIP Advances in Information and Communication Technology</i> , <b>2021</b> , 259-273	0.5	
32	Modbus Access Control System Based on SSI over Hyperledger Fabric Blockchain. <i>Sensors</i> , <b>2021</b> , 21,	3.8	3
31	Alarm Collector in Smart Train Based on Ethereum Blockchain Events-Log. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 13306-13315	10.7	0
30	Cyber Resilience Self-Assessment Tool (CR-SAT) for SMEs. <i>IEEE Access</i> , <b>2021</b> , 9, 80741-80762	3.5	3
29	Cyber Resilience Progression Model. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7393	2.6	3
28	An Overview of Current IP Network Emulators for the Validation of Railways Wireless Communications. <i>IEEE Access</i> , <b>2020</b> , 8, 109266-109274	3.5	0
27	A Survey of IIoT Protocols. <i>ACM Computing Surveys</i> , <b>2020</b> , 53, 1-53	13.4	23
26	IACAP. <i>International Journal of Interdisciplinary Telecommunications and Networking</i> , <b>2020</b> , 12, 118-131	0.4	
25	Systematic Approach to Cyber Resilience Operationalization in SMEs. <i>IEEE Access</i> , <b>2020</b> , 8, 174200-174221	3.5	11
24	An Attribute-Based Access Control using Chaincode in RFID Systems <b>2019</b> ,		1
23	An Attribute-Based Access Control Model in RFID Systems Based on Blockchain Decentralized Applications for Healthcare Environments. <i>Computers</i> , <b>2019</b> , 8, 57	1.9	18
22	Map-Aided Software Enhancement for Autonomous GNSS Complementary Positioning System for Railway. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 11611-11620	6.8	5
21	A Role-Based Access Control Model in Modbus SCADA Systems. A Centralized Model Approach. <i>Sensors</i> , <b>2019</b> , 19,	3.8	19
20	Coexistence of safety and security: Synchronized redundant system with security enhancements. <i>Quality and Reliability Engineering International</i> , <b>2019</b> , 35, 561-571	2.6	0

19	. <i>IEEE Vehicular Technology Magazine</i> , <b>2018</b> , 13, 48-55	9.9	6
18	Methodology and Key Performance Indicators (KPIs) for Railway On-Board Positioning Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2018</b> , 19, 4035-4042	6.1	4
17	Analysis of YouTube® traffic adaptation to dynamic environments. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 7977-8000	2.5	6
16	Survey of Environmental Effects in Railway Communications. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 56-67	0.9	4
15	A RFID-based IoT Cybersecurity Lab in Telecommunications Engineering <b>2018</b> ,		1
14	ETCS On-board Unit Safety Testing: Saboteurs, Testing Strategy and Results. <i>Promet - Traffic - Traffico</i> , <b>2017</b> , 29, 213-223	1.2	2
13	Smart City Concept: What It Is and What It Should Be. <i>Journal of the Urban Planning and Development Division, ASCE</i> , <b>2016</b> , 142, 04015005	2.2	57
12	A wireless sensor network PBL lab for the master in telecommunications engineering <b>2016</b> ,		1
11	Rolling stock emission testing methodology assessment for Balise Transmission Module system interoperability. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2016</b> , 77, 124-131	4.6	4
10	Wireless Communication Emulator Device and Methodology for the ETCS BTM Subsystem. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 40-50	0.9	1
9	SDK Definition for Safety Functions for UART, CAN and TCP/IP Communications. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 74-85	0.9	
8	Implementation and Validation of an Angle of Arrival (AoA) Determination System for Real-time on-board Train Positioning. <i>Transportation Research Procedia</i> , <b>2016</b> , 14, 1950-1956	2.4	2
7	Complementary Positioning System in GNSS-denied Areas. <i>Transportation Research Procedia</i> , <b>2016</b> , 14, 4562-4571	2.4	3
6	Advanced Train Location Simulator (ATLAS) for developing, testing and validating on-board railway location systems. <i>European Transport Research Review</i> , <b>2015</b> , 7,	3.7	7
5	Implementation and validation of an Angle of Arrival (AOA) determination system <b>2015</b> ,		3
4	A low-cost platform for testing activities in parkinson and ALS patients <b>2010</b> ,		6
3	. <i>IEEE Transactions on Consumer Electronics</i> , <b>2009</b> , 55, 477-485	4.8	1
2	. <i>IEEE Transactions on Consumer Electronics</i> , <b>2008</b> , 54, 444-452	4.8	7

1 An Agent Based Semantic OSGi Service Architecture **2008**, 97-106

1