Felipe Restrepo-Calle

List of Publications by Year
in descending order

51	426	933264 10	839398 18
papers	citations	h-index	g-index

51	51	51	312
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluating Impact on Motivation and Academic Performance of a Game-Based Learning Experience Using Kahoot. Frontiers in Psychology, 2019, 10, 2843.	1.1	48
2	Compiler-Directed Soft Error Mitigation for Embedded Systems. IEEE Transactions on Dependable and Secure Computing, 2012, 9, 159-172.	3.7	45
3	A Novel Co-Design Approach for Soft Errors Mitigation in Embedded Systems. IEEE Transactions on Nuclear Science, 2011, 58, 1059-1065.	1.2	34
4	Selective SWIFT-R. Journal of Electronic Testing: Theory and Applications (JETTA), 2013, 29, 825-838.	0.9	30
5	Continuous assessment in a computer programming course supported by a software tool. Computer Applications in Engineering Education, 2019, 27, 80-89.	2.2	28
6	Efficient Mitigation of Data and Control Flow Errors in Microprocessors. IEEE Transactions on Nuclear Science, 2014, 61, 1590-1596.	1.2	21
7	A Hardware-Software Approach for On-Line Soft Error Mitigation in Interrupt-Driven Applications. IEEE Transactions on Dependable and Secure Computing, 2016, 13, 502-508.	3.7	19
8	Fault tolerant embedded systems design by multi-objective optimization. Expert Systems With Applications, 2013, 40, 6813-6822.	4.4	15
9	A Co-Design Approach for SET Mitigation in Embedded Systems. IEEE Transactions on Nuclear Science, 2012, 59, 1034-1039.	1.2	13
10	Temperature Prediction Using Multivariate Time Series Deep Learning in the Lining of an Electric Arc Furnace for Ferronickel Production. Sensors, 2021, 21, 6894.	2.1	12
11	Dependability evaluation of COTS microprocessors via on-chip debugging facilities. , 2016, , .		11
12	A review of approximate computing techniques towards fault mitigation in HW/SW systems. , 2018, , .		11
13	Automatic Grading Tool for Jupyter Notebooks in Artificial Intelligence Courses. Sustainability, 2021, 13, 12050.	1.6	11
14	Finding relationships between socio-technical aspects and personality traits by mining developer e-mails. , 2016, , .		10
15	Self-Regulated Learning in a Computer Programming Course. Revista Iberoamericana De Tecnologias Del Aprendizaje, 2018, 13, 75-83.	0.7	10
16	Understanding the relationships between self-regulated learning and students source code in a computer programming course. , 2017, , .		9
17	Application-Based Analysis of Register File Criticality for Reliability Assessment in Embedded Microprocessors. Journal of Electronic Testing: Theory and Applications (JETTA), 2015, 31, 139-150.	0.9	8
18	Rapid Prototyping of Radiation-Tolerant Embedded Systems on FPGA. , 2010, , .		6

#	Article	IF	Citations
19	Soft core based embedded systems in critical aerospace applications. Journal of Systems Architecture, 2011, 57, 886-895.	2.5	6
20	Soft Error Mitigation in Soft-Core Processors. , 2016, , 239-258.		6
21	Reducing Overheads in Software-based Fault Tolerant Systems using Approximate Computing. , 2019, , .		6
22	UNCODE: INTERACTIVE SYSTEM FOR LEARNING AND AUTOMATIC EVALUATION OF COMPUTER PROGRAMMING SKILLS. EDULEARN Proceedings, 2018, , .	0.0	6
23	Softerror mitigation for multi-core processors based on thread replication. , 2019, , .		5
24	Predicting the Programming Language: Extracting Knowledge from Stack Overflow Posts. Communications in Computer and Information Science, 2017, , 199-210.	0.4	4
25	SHARC: An efficient metric for selective protection of software against soft errors. Microelectronics Reliability, 2018, 88-90, 903-908.	0.9	4
26	MiFIT: A Fault Injection Tool to Validate the Reliability of Microprocessors. , 2019, , .		4
27	A Strategy Based on Technological Maps for the Identification of the State-of-the-Art Techniques in Software Development Projects: Virtual Judge Projects as a Case Study. Communications in Computer and Information Science, 2018, , 338-354.	0.4	4
28	A Data Cleaning Approach for a Structural Health Monitoring System in a 75 MW Electric Arc Ferronickel Furnace. Engineering Proceedings, 2020, 2, 21.	0.4	4
29	Application-driven co-design of fault-tolerant industrial systems. , 2010, , .		3
30	Efficient metric for register file criticality in processor-based systems. , 2014, , .		3
31	FTxAC: Leveraging the Approximate Computing Paradigm in the Design of Fault-Tolerant Embedded Systems to Reduce Overheads. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 797-810.	3.2	3
32	Estrategia de enseÃ±anza basada en la colaboraciÃ³n y la evaluaciÃ³n automÃ¡tica de cÃ³digo fuente en un curso de programaciÃ³n CS1. InvestigaciÃ³n E InnovaciÃ³n En IngenierÃas, 2020, 9, 50-60.	0.2	3
33	Monitoring of the refractory lining in a shielded electric arc furnace: An online multitarget regression trees approach. Structural Control and Health Monitoring, 2022, 29, e2885.	1.9	3
34	Deep Learning for the Prediction of Temperature Time Series in the Lining of an Electric Arc Furnace for Structural Health Monitoring at Cerro Matoso S.A. (CMSA). , 2020, 2, .		3
35	Efficient mitigation of data and control flow errors in microprocessors. , 2013, , .		2
36	Considerations on application of selective hardening based on software fault tolerance techniques. , 2015, , .		2

#	Article	IF	Citations
37	An effective strategy for selective hardening of software. , 2017, , .		2
38	A Vehicle Tracking Device with Built-in Safety Features for Public Transportation Systems. , 2019, , .		2
39	Using Approximate Computing and Selective Hardening for the Reduction of Overheads in the Design of Radiation-Induced Fault-Tolerant Systems. Electronics (Switzerland), 2019, 8, 1539.	1.8	2
40	Multi-Threaded Mitigation of Radiation-Induced Soft Errors in Bare-Metal Embedded Systems. Journal of Electronic Testing: Theory and Applications (JETTA), 2020, 36, 47-57.	0.9	2
41	Automatic Source Code Generation for Web-based Process-oriented Information Systems. , 2017, , .		2
42	Effect of Gamification on the Motivation of Computer Programming Students. Journal of Information Technology Education:Research, 0, 21, 001-023.	0.0	2
43	A compiler-based infrastructure for fault-tolerant co-design. , 2010, , .		1
44	Reliability Evaluation of RISC-V and ARM Microprocessors Through a New Fault Injection Tool. , 2021, , .		1
45	A co-design approach for SET mitigation in embedded systems. , 2011, , .		0
46	On the definition of real conditions for a fault injection experiment on embedded systems. , 2011, , .		0
47	An Interactive Tool to Support Student Assessment in Programming Assignments. Lecture Notes in Computer Science, 2016, , 404-414.	1.0	0
48	Reducing Implicit Overheads of Soft Error Mitigation Techniques Using Selective Hardening. , 2016, , 259-278.		0
49	Fast Prototyping of Web-Based Information Systems Using a Restricted Natural Language Specification. Communications in Computer and Information Science, 2018, , 183-207.	0.4	0
50	MÃ©tricas de legibilidad del cÃ³digo fuente: revisiÃ³n sistemÃ¡tica de literatura. Revista Facultad De IngenierÃa, 2019, 29, e11756.	0.0	0
51	A Low-Overhead Radiation Hardening Approach using Approximate Computing and Selective Fault Tolerance Techniques at the Software Level. , 2019, , .		0