

Felipe Restrepo-Calle

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9204765/publications.pdf>

Version: 2024-02-01

51
papers

426
citations

933264

10
h-index

839398

18
g-index

51
all docs

51
docs citations

51
times ranked

312
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Automatic Grading Tool for Jupyter Notebooks in Artificial Intelligence Courses. Sustainability, 2021, 13, 12050.	1.6	11
5	Reliability Evaluation of RISC-V and ARM Microprocessors Through a New Fault Injection Tool. , 2021, , .		1
6	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
7	Estrategia de ense±anza basada en la colaboraci³n y la evaluaci³n autom³tica de c³digo fuente en un curso de programaci³n CS1. Investigaci³n E Innovaci³n En IngenierÃas, 2020, 9, 50-60.	0.2	3
8	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
9	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
10	A Vehicle Tracking Device with Built-in Safety Features for Public Transportation Systems. , 2019, , .		2
11	Softerror mitigation for multi-core processors based on thread replication. , 2019, , .		5
12	MiFIT: A Fault Injection Tool to Validate the Reliability of Microprocessors. , 2019, , .		4
13	Reducing Overheads in Software-based Fault Tolerant Systems using Approximate Computing. , 2019, , .		6
14	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
15	Evaluating Impact on Motivation and Academic Performance of a Game-Based Learning Experience Using Kahoot. Frontiers in Psychology, 2019, 10, 2843.	1.1	48
16	Continuous assessment in a computer programming course supported by a software tool. Computer Applications in Engineering Education, 2019, 27, 80-89.	2.2	28
17	M³tricas de legibilidad del c³digo fuente: revisi³n sistem³tica de literatura. Revista Facultad De IngenierÃa, 2019, 29, e11756.	0.0	0
18	A Low-Overhead Radiation Hardening Approach using Approximate Computing and Selective Fault Tolerance Techniques at the Software Level. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	A review of approximate computing techniques towards fault mitigation in HW/SW systems. , 2018, , .		11
20	SHARC: An efficient metric for selective protection of software against soft errors. Microelectronics Reliability, 2018, 88-90, 903-908.	0.9	4
21	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
22	Self-Regulated Learning in a Computer Programming Course. Revista Iberoamericana De Tecnologias Del Aprendizaje, 2018, 13, 75-83.	0.7	10
23	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
24	UNCODE: INTERACTIVE SYSTEM FOR LEARNING AND AUTOMATIC EVALUATION OF COMPUTER PROGRAMMING SKILLS. EDULEARN Proceedings, 2018, , .	0.0	6
25	An effective strategy for selective hardening of software. , 2017, , .		2
26	Predicting the Programming Language: Extracting Knowledge from Stack Overflow Posts. Communications in Computer and Information Science, 2017, , 199-210.	0.4	4
27	Understanding the relationships between self-regulated learning and students source code in a computer programming course. , 2017, , .		9
28	Automatic Source Code Generation for Web-based Process-oriented Information Systems. , 2017, , .		2
29	Dependability evaluation of COTS microprocessors via on-chip debugging facilities. , 2016, , .		11
30	Finding relationships between socio-technical aspects and personality traits by mining developer e-mails. , 2016, , .		10
31	An Interactive Tool to Support Student Assessment in Programming Assignments. Lecture Notes in Computer Science, 2016, , 404-414.	1.0	0
32	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
33	Soft Error Mitigation in Soft-Core Processors. , 2016, , 239-258.		6
34	Reducing Implicit Overheads of Soft Error Mitigation Techniques Using Selective Hardening. , 2016, , 259-278.		0
35	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
36	Considerations on application of selective hardening based on software fault tolerance techniques. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
37	Efficient metric for register file criticality in processor-based systems. , 2014, , .		3
38	Efficient Mitigation of Data and Control Flow Errors in Microprocessors. IEEE Transactions on Nuclear Science, 2014, 61, 1590-1596.	1.2	21
39	Fault tolerant embedded systems design by multi-objective optimization. Expert Systems With Applications, 2013, 40, 6813-6822.	4.4	15
40	Selective SWIFT-R. Journal of Electronic Testing: Theory and Applications (JETTA), 2013, 29, 825-838.	0.9	30
41	Efficient mitigation of data and control flow errors in microprocessors. , 2013, , .		2
42	A Co-Design Approach for SET Mitigation in Embedded Systems. IEEE Transactions on Nuclear Science, 2012, 59, 1034-1039.	1.2	13
43	Compiler-Directed Soft Error Mitigation for Embedded Systems. IEEE Transactions on Dependable and Secure Computing, 2012, 9, 159-172.	3.7	45
44	A co-design approach for SET mitigation in embedded systems. , 2011, , .		0
45	Soft core based embedded systems in critical aerospace applications. Journal of Systems Architecture, 2011, 57, 886-895.	2.5	6
46	On the definition of real conditions for a fault injection experiment on embedded systems. , 2011, , .		0
47	A Novel Co-Design Approach for Soft Errors Mitigation in Embedded Systems. IEEE Transactions on Nuclear Science, 2011, 58, 1059-1065.	1.2	34
48	A compiler-based infrastructure for fault-tolerant co-design. , 2010, , .		1
49	Rapid Prototyping of Radiation-Tolerant Embedded Systems on FPGA. , 2010, , .		6
50	Application-driven co-design of fault-tolerant industrial systems. , 2010, , .		3
51	Effect of Gamification on the Motivation of Computer Programming Students. Journal of Information Technology Education:Research, 0, 21, 001-023.	0.0	2