

Maria Liz Crespo

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

3,375
citations

1307594

7
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

8141
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Particle Physics. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	3,177
2	Design and Performance Evaluation of a Low-Cost Autonomous Sensor Interface for a Smart IoT-Based Irrigation Monitoring and Control System. Sensors, 2019, 19, 3643.	3.8	48
3	Towards a multi-element silicon drift detector system for fluorescence spectroscopy in the soft X-ray regime. X-Ray Spectrometry, 2017, 46, 313-318.	1.4	26
4	A low-offset low-power and high-speed dynamic latch comparator with a preamplifier-enhanced stage. IET Circuits, Devices and Systems, 2021, 15, 65-77.	1.4	20
5	Biogeochemical fingerprints of life: earlier analogies with polar ecosystems suggest feasible instrumentation for probing the Galilean moons. International Journal of Astrobiology, 2015, 14, 427-434.	1.6	14
6	Design Architectures of the CMOS Power Amplifier for 2.4 GHz ISM Band Applications: An Overview. Electronics (Switzerland), 2019, 8, 477.	3.1	13
7	A programmable System-on-Chip based digital pulse processing for high resolution X-ray spectroscopy. , 2016, , .		12
8	Multi-spectral X-ray transmission imaging using a BSI CMOS Image Sensor. Radiation Physics and Chemistry, 2020, 167, 108244.	2.8	11
9	Measuring the jitter of ring oscillators by means of information theory quantifiers. Communications in Nonlinear Science and Numerical Simulation, 2017, 43, 139-150.	3.3	7
10	An 8.72 μ W Low-Noise and Wide Bandwidth FEE Design for High-Throughput Pixel-Strip (PS) Sensors. Sensors, 2021, 21, 1760.	3.8	7
11	Parallel investigation of double forged pure tungsten samples irradiated in three DPF devices. Journal of Nuclear Materials, 2015, 463, 341-346.	2.7	6
12	Design for Portability of Reconfigurable Virtual Instrumentation. , 2019, , .		6
13	Muonâ€“Electron Pulse Shape Discrimination for Water Cherenkov Detectors Based on FPGA/SoC. Electronics (Switzerland), 2021, 10, 224.	3.1	6
14	High Performance 128-Channel Acquisition System for Electrophysiological Signals. IEEE Access, 2020, 8, 122366-122383.	4.2	5
15	A fully integrated high IP1dB CMOS SPDT switch using stacked transistors for 2.4GHz TDD transceiver applications. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	1.3	3
16	A Compact 20GHz Dynamic Latch Comparator in 65nm CMOS Process. , 2021, , .		2
17	Physical implementation of asynchronous cellular automata networks: mathematical models and preliminary experimental results. Nonlinear Dynamics, 2021, 105, 2431-2452.	5.2	2
18	Remote Laboratory for E-Learning of Systems on Chip and Their Applications to Nuclear and Scientific Instrumentation. Electronics (Switzerland), 2021, 10, 2191.	3.1	2

#	ARTICLE	IF	CITATIONS
19	DAQ platform based on SoC-FPGA for high resolution time stamping in cosmic ray detection. , 2019, , .		2
20	Reconfigurable Virtual Instrumentation Based on FPGA for Science and High-Education. Advances in Computer and Electrical Engineering Book Series, 2016, , 99-123.	0.3	2
21	Multichannel Time Synchronization Based on PTP through a High Voltage Isolation Buffer Network Interface for Thick-GEM Detectors. Instruments, 2022, 6, 11.	1.8	2
22	Data Analysis and Filter Optimization for Pulse-Amplitude Measurement: A Case Study on High-Resolution X-ray Spectroscopy. Sensors, 2022, 22, 4776.	3.8	1
23	HW/SW codesign of maximum Lyapunov exponent estimator. , 2017, , .		0
24	A Computerized Bioinspired Methodology for Lightweight and Reliable Neural Telemetry. Sensors, 2020, 20, 6461.	3.8	0