

Carlo Zanoni

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

749
citations

933447

10
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

866
citing authors

#	ARTICLE	IF	CITATIONS
1	In-flight testing of the injection of the LISA Pathfinder test mass into a geodesic. <i>Advances in Space Research</i> , 2021, 67, 504-520.	2.6	12
2	Estimation of the electrostatic effects in the LISA-Pathfinder critical test mass dynamics via the method of moments. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, , 1-1.	5.8	1
3	Micrometeoroid Events in LISA Pathfinder. <i>Astrophysical Journal</i> , 2019, 883, 53.	4.5	15
4	Design studies of a compact superconducting rf crab cavity for future colliders using Nb/Cu technology. <i>Physical Review Accelerators and Beams</i> , 2019, 22, .	1.6	1
5	Characteristics and Energy Dependence of Recurrent Galactic Cosmic-Ray Flux Depressions and of a Forbush Decrease with LISA Pathfinder. <i>Astrophysical Journal</i> , 2018, 854, 113.	4.5	26
6	Design and vertical tests of double-quarter wave cavity prototypes for the high-luminosity LHC crab cavity system. <i>Physical Review Accelerators and Beams</i> , 2018, 21, .	1.6	8
7	On-ground testing of the role of adhesion in the LISA-Pathfinder test mass injection phase. <i>Advances in Space Research</i> , 2017, 59, 2572-2582.	2.6	10
8	Preliminary Mechanical Design Study of the Hollow Electron Lens for HL-LHC. <i>Journal of Physics: Conference Series</i> , 2017, 874, 012102.	0.4	2
9	Capacitive sensing of test mass motion with nanometer precision over millimeter-wide sensing gaps for space-borne gravitational reference sensors. <i>Physical Review D</i> , 2017, 96, .	4.7	40
10	Charge-Induced Force Noise on Free-Falling Test Masses: Results from LISA Pathfinder. <i>Physical Review Letters</i> , 2017, 118, 171101.	7.8	62
11	Assessment of thermal loads in the CERN SPS crab cavities cryomodule¹. <i>Journal of Physics: Conference Series</i> , 2017, 874, 012005.	0.4	1
12	The crab cavities cryomodule for SPS test. <i>Journal of Physics: Conference Series</i> , 2017, 874, 012092.	0.4	7
13	Constraints on LISA Pathfinder's self-gravity: design requirements, estimates and testing procedures. <i>Classical and Quantum Gravity</i> , 2016, 33, 235015.	4.0	17
14	Sub-Femto- $\langle g \rangle$ Free Fall for Space-Based Gravitational Wave Observatories: LISA Pathfinder Results. <i>Physical Review Letters</i> , 2016, 116, 231101.	7.8	454
15	Bayesian statistics for the calibration of the LISA Pathfinder experiment. <i>Journal of Physics: Conference Series</i> , 2015, 610, 012027.	0.4	2
16	A noise simulator for eLISA: Migrating LISA Pathfinder knowledge to the eLISA mission. <i>Journal of Physics: Conference Series</i> , 2015, 610, 012036.	0.4	0
17	The LISA Pathfinder Mission. <i>Journal of Physics: Conference Series</i> , 2015, 610, 012005.	0.4	26
18	Summary of the results of the LISA-Pathfinder Test Mass release. <i>Journal of Physics: Conference Series</i> , 2015, 610, 012022.	0.4	9

#	ARTICLE	IF	CITATIONS
19	Free-flight experiments in LISA Pathfinder. Journal of Physics: Conference Series, 2015, 610, 012006.	0.4	1
20	In-flight thermal experiments for LISA Pathfinder: Simulating temperature noise at the Inertial Sensors. Journal of Physics: Conference Series, 2015, 610, 012023.	0.4	3
21	Disentangling the magnetic force noise contribution in LISA Pathfinder. Journal of Physics: Conference Series, 2015, 610, 012024.	0.4	4
22	A Strategy to Characterize the LISA-Pathfinder Cold Gas Thruster System. Journal of Physics: Conference Series, 2015, 610, 012026.	0.4	1
23	Experimental-Analytical Qualification of a Piezoelectric Mechanism for a Critical Space Application. IEEE/ASME Transactions on Mechatronics, 2015, 20, 427-437.	5.8	17
24	Improvements in the measurement of metallic adhesion dynamics. Mechanical Systems and Signal Processing, 2015, 52-53, 600-613.	8.0	9
25	Prediction of the LISA-Pathfinder release mechanism in-flight performance. Advances in Space Research, 2013, 51, 1145-1156.	2.6	18
26	Non-linear Mechanical Behaviour of Metallic Micro-wires under Dynamic Axial Loads. Experimental Mechanics, 2012, 52, 215-228.	2.0	3