

Martin Urban

List of Publications by Year in descending order

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22
papers

171
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1307594

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24
all docs

24
docs citations

24
times ranked

76
citing authors

#	ARTICLE	IF	CITATIONS
1	Timepix3: Temperature influence on X-ray measurements in counting mode with Si sensor. Radiation Measurements, 2021, 141, 106535.	1.4	9
2	REX: X-ray experiment on the water recovery rocket. Acta Astronautica, 2021, 184, 1-10.	3.2	7
3	Thermal vacuum testing of Timepix3 detector. Journal of Instrumentation, 2020, 15, C03040-C03040.	1.2	3
4	In-Orbit Commissioning of Czech Nanosatellite VZLUSAT-1 for the QB50 Mission with a Demonstrator of a Miniaturised Lobster-Eye X-Ray Telescope and Radiation Shielding Composite Materials. Space Science Reviews, 2019, 215, 1.	8.1	15
5	Satellite temperature measurement in LEO and improvement method of temperature sensors calibration based on the measured data. Astronomische Nachrichten, 2019, 340, 652-657.	1.2	0
6	REX LE X-ray telescope experiment overview. , 2019, , .		4
7	Timepix: Influence of temperature and vacuum on equalisation of x-ray detector and its verification. , 2019, , .		1
8	Lobster eye optics: position determination based on 1D optics with simple code mask. , 2019, , .		1
9	VZLUSAT-1: Health monitoring system, preliminary results. Astronomische Nachrichten, 2018, 339, 397-402.	1.2	2
10	Outgassing monitor on VZLUSAT-1: Preliminary results. Astronomische Nachrichten, 2018, 339, 367-370.	1.2	2
11	Timepix in LEO Orbit onboard the VZLUSAT-1 Nanosatellite: 1-year of Space Radiation Dosimetry Measurements. Journal of Instrumentation, 2018, 13, C11010-C11010.	1.2	19
12	Radiation resistance monitor on VZLUSAT-1: Preliminary results. Astronomische Nachrichten, 2018, 339, 382-385.	1.2	1
13	VZLUSAT-1: Nanosatellite with miniature lobster eye X-ray telescope and qualification of the radiation shielding composite for space application. Acta Astronautica, 2017, 140, 96-104.	3.2	39
14	X-ray Lobster Eye all-sky monitor for rocket experiment. Proceedings of SPIE, 2017, , .	0.8	7
15	Study of lobster eye optics with iridium coated x-ray mirrors for a rocket experiment. , 2017, , .		2
16	Data processing from lobster eye type optics. Proceedings of SPIE, 2017, , .	0.8	2
17	Optimization of microroughness of replicated x-ray optics. , 2017, , .		0
18	Uncooled spectrometer for x-ray astrophysics. Proceedings of SPIE, 2017, , .	0.8	0

#	ARTICLE	IF	CITATIONS
19	Terrestrial gamma-ray flashes monitor demonstrator on CubeSat. Proceedings of SPIE, 2016, , .	0.8	10
20	VZLUSAT-1: verification of new materials and technologies for space. , 2016, , .		4
21	Miniaturized X-ray telescope for VZLUSAT-1 nanosatellite with Timepix detector. Journal of Instrumentation, 2016, 11, C10007-C10007.	1.2	43
22	Rating of authors. Geoinformatics FCE CTU, 2016, 15, 1-4.	0.4	0