

Martin Urban

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

171
citations

1307594

7
h-index

1125743

13
g-index

24
all docs

24
docs citations

24
times ranked

76
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Miniaturized X-ray telescope for VZLUSAT-1 nanosatellite with Timepix detector. Journal of Instrumentation, 2016, 11, C10007-C10007. | 1.2 | 43 |
| 2 | 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 |
| 3 | 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 |
| 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 | Terrestrial gamma-ray flashes monitor demonstrator on CubeSat. Proceedings of SPIE, 2016, , . | 0.8 | 10 |
| 6 | Timepix3: Temperature influence on X-ray measurements in counting mode with Si sensor. Radiation Measurements, 2021, 141, 106535. | 1.4 | 9 |
| 7 | REX: X-ray experiment on the water recovery rocket. Acta Astronautica, 2021, 184, 1-10. | 3.2 | 7 |
| 8 | X-ray Lobster Eye all-sky monitor for rocket experiment. Proceedings of SPIE, 2017, , . | 0.8 | 7 |
| 9 | VZLUSAT-1: verification of new materials and technologies for space. , 2016, , . | | 4 |
| 10 | REX LE X-ray telescope experiment overview. , 2019, , . | | 4 |
| 11 | Thermal vacuum testing of Timepix3 detector. Journal of Instrumentation, 2020, 15, C03040-C03040. | 1.2 | 3 |
| 12 | VZLUSAT-1: Health monitoring system, preliminary results. Astronomische Nachrichten, 2018, 339, 397-402. | 1.2 | 2 |
| 13 | Outgassing monitor on VZLUSAT-1: Preliminary results. Astronomische Nachrichten, 2018, 339, 367-370. | 1.2 | 2 |
| 14 | Study of lobster eye optics with iridium coated x-ray mirrors for a rocket experiment. , 2017, , . | | 2 |
| 15 | Data processing from lobster eye type optics. Proceedings of SPIE, 2017, , . | 0.8 | 2 |
| 16 | Radiation resistance monitor on VZLUSAT-1: Preliminary results. Astronomische Nachrichten, 2018, 339, 382-385. | 1.2 | 1 |
| 17 | Timepix: Influence of temperature and vacuum on equalisation of x-ray detector and its verification. , 2019, , . | | 1 |
| 18 | Lobster eye optics: position determination based on 1D optics with simple code mask. , 2019, , . | | 1 |

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|----|---|-----|-----------|
| 19 | Satellite temperature measurement in LEO and improvement method of temperature sensors calibration based on the measured data. <i>Astronomische Nachrichten</i> , 2019, 340, 652-657. | 1.2 | 0 |
| 20 | Rating of authors. <i>Geoinformatics FCE CTU</i> , 2016, 15, 1-4. | 0.4 | 0 |
| 21 | Optimization of microroughness of replicated x-ray optics. , 2017, , . | | 0 |
| 22 | Uncooled spectrometer for x-ray astrophysics. <i>Proceedings of SPIE</i> , 2017, , . | 0.8 | 0 |