

Joice Mathew

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

62
citations

1684188

5
h-index

1720034

7
g-index

26
all docs

26
docs citations

26
times ranked

44
citing authors

#	ARTICLE	IF	CITATIONS
1	A Raspberry Pi-Based Attitude Sensor. Journal of Astronomical Instrumentation, 2014, 03, .	1.5	10
2	Wide-field ultraviolet imager for astronomical transient studies. Experimental Astronomy, 2018, 45, 201-218.	3.7	10
3	Noise modeling and analysis of an IMU-based attitude sensor: improvement of performance by filtering and sensor fusion. Proceedings of SPIE, 2016, , .	0.8	7
4	Pointing system for the balloon-borne astronomical payloads. Journal of Astronomical Telescopes, Instruments, and Systems, 2016, 2, 047001.	1.8	6
5	A software package for evaluating the performance of a star sensor operation. Experimental Astronomy, 2017, 43, 99-117.	3.7	6
6	Prospect for UV observations from the Moon. Astrophysics and Space Science, 2014, 353, 329-346.	1.4	5
7	Prospect for UV observations from the Moon. II. Instrumental design of an ultraviolet imager LUCI. Astrophysics and Space Science, 2017, 362, 1.	1.4	5
8	Balloon UV experiments for astronomical and atmospheric observations. , 2016, , .		3
9	A generic FPGA-based detector readout and real-time image processing board. Proceedings of SPIE, 2016, , .	0.8	2
10	An ultraviolet imager to study bright UV sources. Proceedings of SPIE, 2016, , .	0.8	2
11	Development of Data Acquisition Methods for an FPGA-Based Photon Counting Detector. Journal of Astronomical Instrumentation, 2017, 06, 1750002.	1.5	2
12	Near UV imager with an MCP-based photon counting detector. Proceedings of SPIE, 2016, , .	0.8	1
13	Prospect for UV observations from the Moon. III. Assembly and ground calibration of Lunar Ultraviolet Cosmic Imager (LUCI). Astrophysics and Space Science, 2019, 364, 1.	1.4	1
14	All spherical optical design of an Ultraviolet Cosmic Imager. , 2015, , .		0
15	Development of an FPGA based photon counting detector for balloon flights. , 2015, , .		0
16	Wavelength calibration of a tunable spatial heterodyne spectrometer. , 2018, , .		0
17	PIONS: a CubeSat imager to observe variable UV sources. , 2018, , .		0
18	Opto-mechanical assembly and ground calibration of LUCI. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	GLUV pathfinder mission. , 2020, , .		0
20	Emu: a near-infrared wide-field photometer for space. , 2020, , .		0
21	Linear formation-flying astronomical interferometry in low-earth orbit: a feasibility study. , 2020, , .		0
22	A space-based near-infrared sky survey to study the oxygen abundance in cool stars. , 2020, , .		0
23	GLUV Pathfinder: setting up for rapid cadence UV monitoring of the transient universe. , 2020, , .		0
24	The spectroscopic investigation of nebular gas(SING): a dedicated NUV spectrograph to study extended objects. , 2020, , .		0
25	The near ultraviolet transient surveyor (NUTS): An ultraviolet telescope to observe variable sources. Experimental Astronomy, 0, , .	3.7	0