

Jordi Portell

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

20,915
citations

218677

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254184

43
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55
all docs

55
docs citations

55
times ranked

11363
citing authors

#	ARTICLE	IF	CITATIONS
1	Compression of Multibeam Echosounders Bathymetry and Water Column Data. Remote Sensing, 2022, 14, 2063.	4.0	3
2	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A11.	5.1	32
3	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A6.	5.1	175
4	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A9.	5.1	55
5	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A2.	5.1	647
6	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A8.	5.1	60
7	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A10.	5.1	50
8	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A7.	5.1	84
9	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A1.	5.1	2,429
10	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 652, A76.	5.1	54
11	Faint objects in motion: the new frontier of high precision astrometry. Experimental Astronomy, 2021, 51, 845-886.	3.7	17
12	High-Performance Lossless Compression of Hyperspectral Remote Sensing Scenes Based on Spectral Decorrelation. Remote Sensing, 2020, 12, 2955.	4.0	9
13	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2020, 642, C1.	5.1	6
14	High-Performance Compression of Multibeam Echosounders Water Column Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1771-1783.	4.9	4
15	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2019, 623, A110.	5.1	101
16	FAPEC, a versatile and efficient data compressor for space missions. International Journal of Remote Sensing, 2018, 39, 2022-2042.	2.9	10
17	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A11.	5.1	323
18	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A4.	5.1	556

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19	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A13.	5.1	78
20	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A14.	5.1	140
21	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A2.	5.1	1,576
22	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A10.	5.1	638
23	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A1.	5.1	6,364
24	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A12.	5.1	491
25	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 599, A32.	5.1	47
26	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 605, A79.	5.1	78
27	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 601, A19.	5.1	77
28	The <i>Gaia</i> mission. Astronomy and Astrophysics, 2016, 595, A1.	5.1	4,509
29	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2016, 595, A3.	5.1	85
30	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2016, 595, A2.	5.1	1,590
31	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2016, 595, A4.	5.1	536
32	The LOFT mission concept: a status update. Proceedings of SPIE, 2016, , .	0.8	9
33	Image data compression with hierarchical pixel averaging and fully adaptive prediction error coder. Journal of Applied Remote Sensing, 2015, 9, 097493.	1.3	2
34	FAPEC-based lossless and lossy hyperspectral data compression. , 2015, , .		1
35	The Large Observatory for x-ray timing. Proceedings of SPIE, 2014, , .	0.8	10
36	Daily processing of Gaia data. EAS Publications Series, 2014, 67-68, 61-64.	0.3	0

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37	Prediction Error Coder: a fast lossless compression method for satellite noisy data. Journal of Applied Remote Sensing, 2013, 7, 074593.	1.3	1
38	Discrete wavelet transform fully adaptive prediction error coder: image data compression based on CCSDS 122.0 and fully adaptive prediction error coder. Journal of Applied Remote Sensing, 2013, 7, 074592.	1.3	3
39	The on-board data handling concept for the LOFT large area detector. Proceedings of SPIE, 2012, , .	0.8	1
40	LOFT: the Large Observatory For X-ray Timing. Proceedings of SPIE, 2012, , .	0.8	29
41	Data Management at Gaia Data Processing Centers. , 2012, , 107-115.		2
42	Outlier-Resilient Entropy Coding. , 2012, , 87-113.		2
43	Efficient data storage of astronomical data using HDF5 and PEC compression. , 2011, , .		4
44	FAPEC in an FPGA: a simple low-power solution for data compression in space. , 2011, , .		0
45	Simple resiliency improvement of the CCSDS standard for lossless data compression. , 2010, , .		1
46	Quick outlier-resilient entropy coder for space missions. Journal of Applied Remote Sensing, 2010, 4, 041784.	1.3	7
47	Hardware and networks for Gaia data processing. EAS Publications Series, 2010, 45, 83-88.	0.3	0
48	Optimizing GPS data transmission using entropy coding compression. , 2010, , .		3
49	Development of Optimum Lossless Compression Systems for Space Missions. , 2010, , .		1
50	<title>A resilient and quick data compression method of prediction errors for space missions</title>. , 2009, , .		4
51	Simulating Gaia observations and on-ground reconstruction. Proceedings of the International Astronomical Union, 2007, 3, 278-279.	0.0	1
52	Tailored data compression using stream partitioning and prediction: application to Gaia. Experimental Astronomy, 2007, 21, 125-149.	3.7	7
53	High-performance payload data handling system for Gaia. IEEE Transactions on Aerospace and Electronic Systems, 2006, 42, 421-435.	4.7	2
54	Assessing the Clock of Gaia: Design and Implementation of A Clock Framework Simulator. Experimental Astronomy, 2004, 18, 133-158.	3.7	0

#	ARTICLE	IF	CITATIONS
55	Optimization of Time Data Codification and Transmission Schemes: Application to Gaia. Experimental Astronomy, 2003, 16, 189-212.	3.7	1