

Jordi Portell

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

14,069
citations

21
h-index

55
g-index

55
ext. papers

17,873
ext. citations

3.8
avg, IF

4.2
L-index

#	Paper	IF	Citations
50	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2018 , 616, A1	5.1	4787
49	TheGaiamission. <i>Astronomy and Astrophysics</i> , 2016 , 595, A1	5.1	2933
48	GaiaData Release 1. <i>Astronomy and Astrophysics</i> , 2016 , 595, A2	5.1	1364
47	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2018 , 616, A2	5.1	1269
46	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 649, A1	5.1	776
45	GaiaData Release 1. <i>Astronomy and Astrophysics</i> , 2016 , 595, A4	5.1	505
44	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2018 , 616, A10	5.1	438
43	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2018 , 616, A4	5.1	434
42	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2018 , 616, A12	5.1	384
41	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2018 , 616, A11	5.1	237
40	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 649, A2	5.1	219
39	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2018 , 616, A14	5.1	100
38	GaiaData Release 1. <i>Astronomy and Astrophysics</i> , 2016 , 595, A3	5.1	73
37	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , 2017 , 601, A19	5.1	71
36	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , 2017 , 605, A79	5.1	64
35	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2019 , 623, A110	5.1	62
34	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 649, A6	5.1	61

33	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2018 , 616, A13	5.1	56
32	GaiaData Release 1. <i>Astronomy and Astrophysics</i> , 2017 , 599, A32	5.1	41
31	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 649, A7	5.1	25
30	LOFT: the Large Observatory For X-ray Timing 2012 ,		21
29	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 649, A9	5.1	19
28	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 649, A10	5.1	19
27	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 649, A8	5.1	18
26	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 649, A11	5.1	13
25	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021 , 652, A76	5.1	10
24	The Large Observatory for x-ray timing 2014 ,		9
23	FAPEC, a versatile and efficient data compressor for space missions. <i>International Journal of Remote Sensing</i> , 2018 , 39, 2022-2042	3.1	8
22	The LOFT mission concept: a status update 2016 ,		7
21	High-Performance Lossless Compression of Hyperspectral Remote Sensing Scenes Based on Spectral Decorrelation. <i>Remote Sensing</i> , 2020 , 12, 2955	5	7
20	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2020 , 642, C1	5.1	5
19	High-Performance Compression of Multibeam Echosounders Water Column Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 1771-1783	4.7	4
18	Discrete wavelet transform fully adaptive prediction error coder: image data compression based on CCSDS 122.0 and fully adaptive prediction error coder. <i>Journal of Applied Remote Sensing</i> , 2013 , 7, 074592 ^{1,4}		3
17	Efficient data storage of astronomical data using HDF5 and PEC compression 2011 ,		3
16	Tailored data compression using stream partitioning and prediction: application to Gaia. <i>Experimental Astronomy</i> , 2007 , 21, 125-149	1.3	3

15	Faint objects in motion: the new frontier of high precision astrometry. <i>Experimental Astronomy</i> , 2021 , 51, 845	1.3	3
14	Image data compression with hierarchical pixel averaging and fully adaptive prediction error coder. <i>Journal of Applied Remote Sensing</i> , 2015 , 9, 097493	1.4	2
13	A resilient and quick data compression method of prediction errors for space missions 2009 ,		2
12	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2006 , 42, 421-435	3.7	2
11	Data Management at Gaia Data Processing Centers 2012 , 107-115		2
10	FAPEC-based lossless and lossy hyperspectral data compression 2015 ,		1
9	Prediction Error Coder: a fast lossless compression method for satellite noisy data. <i>Journal of Applied Remote Sensing</i> , 2013 , 7, 074593	1.4	1
8	Quick outlier-resilient entropy coder for space missions. <i>Journal of Applied Remote Sensing</i> , 2010 , 4, 041784		1
7	Simple resiliency improvement of the CCSDS standard for lossless data compression 2010 ,		1
6	Simulating Gaia observations and on-ground reconstruction. <i>Proceedings of the International Astronomical Union</i> , 2007 , 3, 278-279	0.1	1
5	Optimization of Time Data Codification and Transmission Schemes: Application to Gaia. <i>Experimental Astronomy</i> , 2003 , 16, 189-212	1.3	1
4	Outlier-Resilient Entropy Coding 2012 , 87-113		1
3	Compression of Multibeam Echosounders Bathymetry and Water Column Data. <i>Remote Sensing</i> , 2022 , 14, 2063	5	1
2	Assessing the Clock of Gaia: Design and Implementation of A Clock Framework Simulator. <i>Experimental Astronomy</i> , 2004 , 18, 133-158	1.3	
1	Daily processing of Gaia data. <i>EAS Publications Series</i> , 2014 , 67-68, 61-64	0.2	