

# Jordi Portell

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6647970/jordi-portell-publications-by-year.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Compression of Multibeam Echosounders Bathymetry and Water Column Data. <i>Remote Sensing</i> , <b>2022</b> , 14, 2063	5	1
49	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A11	5.1	13
48	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A6	5.1	61
47	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A9	5.1	19
46	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A2	5.1	219
45	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A8	5.1	18
44	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A10	5.1	19
43	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A7	5.1	25
42	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A1	5.1	776
41	Gaia Early Data Release 3. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 652, A76	5.1	10
40	Faint objects in motion: the new frontier of high precision astrometry. <i>Experimental Astronomy</i> , <b>2021</b> , 51, 845	1.3	3
39	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 642, C1	5.1	5
38	High-Performance Lossless Compression of Hyperspectral Remote Sensing Scenes Based on Spectral Decorrelation. <i>Remote Sensing</i> , <b>2020</b> , 12, 2955	5	7
37	High-Performance Compression of Multibeam Echosounders Water Column Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2019</b> , 12, 1771-1783	4.7	4
36	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, A110	5.1	62
35	FAPEC, a versatile and efficient data compressor for space missions. <i>International Journal of Remote Sensing</i> , <b>2018</b> , 39, 2022-2042	3.1	8
34	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A10	5.1	438

33	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A1	5.1	4787
32	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A12	5.1	384
31	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A11	5.1	237
30	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A4	5.1	434
29	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A13	5.1	56
28	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A14	5.1	100
27	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 616, A2	5.1	1269
26	GaiaData Release 1. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 599, A32	5.1	41
25	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 605, A79	5.1	64
24	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 601, A19	5.1	71
23	The LOFT mission concept: a status update <b>2016</b> ,		7
22	TheGaiamission. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 595, A1	5.1	2933
21	GaiaData Release 1. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 595, A3	5.1	73
20	GaiaData Release 1. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 595, A2	5.1	1364
19	GaiaData Release 1. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 595, A4	5.1	505
18	Image data compression with hierarchical pixel averaging and fully adaptive prediction error coder. <i>Journal of Applied Remote Sensing</i> , <b>2015</b> , 9, 097493	1.4	2
17	FAPEC-based lossless and lossy hyperspectral data compression <b>2015</b> ,		1
16	The Large Observatory for x-ray timing <b>2014</b> ,		9

15	Daily processing of Gaia data. <i>EAS Publications Series</i> , <b>2014</b> , 67-68, 61-64	0.2	
14	Prediction Error Coder: a fast lossless compression method for satellite noisy data. <i>Journal of Applied Remote Sensing</i> , <b>2013</b> , 7, 074593	1.4	1
13	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> , <b>2013</b> , 7, 074592 <sup>1,4</sup>	1.4	3
12	LOFT: the Large Observatory For X-ray Timing <b>2012</b> ,		21
11	Outlier-Resilient Entropy Coding <b>2012</b> , 87-113		1
10	Data Management at Gaia Data Processing Centers <b>2012</b> , 107-115		2
9	Efficient data storage of astronomical data using HDF5 and PEC compression <b>2011</b> ,		3
8	Quick outlier-resilient entropy coder for space missions. <i>Journal of Applied Remote Sensing</i> , <b>2010</b> , 4, 041784	1.4	1
7	Simple resiliency improvement of the CCSDS standard for lossless data compression <b>2010</b> ,		1
6	A resilient and quick data compression method of prediction errors for space missions <b>2009</b> ,		2
5	Tailored data compression using stream partitioning and prediction: application to Gaia. <i>Experimental Astronomy</i> , <b>2007</b> , 21, 125-149	1.3	3
4	Simulating Gaia observations and on-ground reconstruction. <i>Proceedings of the International Astronomical Union</i> , <b>2007</b> , 3, 278-279	0.1	1
3	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2006</b> , 42, 421-435	3.7	2
2	Assessing the Clock of Gaia: Design and Implementation of A Clock Framework Simulator. <i>Experimental Astronomy</i> , <b>2004</b> , 18, 133-158	1.3	
1	Optimization of Time Data Codification and Transmission Schemes: Application to Gaia. <i>Experimental Astronomy</i> , <b>2003</b> , 16, 189-212	1.3	1