

Xavier Luri

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.

44
papers

6,942
citations

20
h-index

47
g-index

47
ext. papers

8,204
ext. citations

3.4
avg, IF

4.71
L-index

#	Paper	IF	Citations
44	TheGaia mission. <i>Astronomy and Astrophysics</i> , 2016 , 595, A1	5.1	2933
43	GaiaData Release 1. <i>Astronomy and Astrophysics</i> , 2016 , 595, A2	5.1	1364
42	GAIA: Composition, formation and evolution of the Galaxy. <i>Astronomy and Astrophysics</i> , 2001 , 369, 339-363		769
41	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2018 , 616, A9	5.1	462
40	Local kinematics of K and M giants from CORAVEL/Hipparcos/Tycho-2 data. <i>Astronomy and Astrophysics</i> , 2005 , 430, 165-186	5.1	333
39	GaiaUniverse model snapshot. <i>Astronomy and Astrophysics</i> , 2012 , 543, A100	5.1	136
38	The Besançon Galaxy model renewed. <i>Astronomy and Astrophysics</i> , 2014 , 564, A102	5.1	88
37	A new method for unveiling open clusters in Gaia. <i>Astronomy and Astrophysics</i> , 2018 , 618, A59	5.1	78
36	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , 2017 , 599, A50	5.1	75
35	Hunting for open clusters in Gaia DR2: 582 new open clusters in the Galactic disc. <i>Astronomy and Astrophysics</i> , 2020 , 635, A45	5.1	74
34	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , 2017 , 601, A19	5.1	71
33	The Hyades stream: an evaporated cluster or an intrusion from the inner disk?. <i>Astronomy and Astrophysics</i> , 2007 , 461, 957-962	5.1	68
32	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , 2017 , 605, A79	5.1	64
31	NEW NEAR-INFRARED PERIOD-LUMINOSITY-METALLICITY RELATIONS FOR RR LYRAE STARS AND THE OUTLOOK FOR GAIA. <i>Astrophysical Journal</i> , 2015 , 807, 127	4.7	52
30	Hunting for open clusters in Gaia DR2: the Galactic anticentre. <i>Astronomy and Astrophysics</i> , 2019 , 627, A35	5.1	50
29	Gaia DR2 reveals a star formation burst in the disc 2.8 Gyr ago. <i>Astronomy and Astrophysics</i> , 2019 , 624, L1	5.1	42
28	The Gaia mission: science, organization and present status. <i>Proceedings of the International Astronomical Union</i> , 2007 , 3, 217-223	0.1	41

27	Gaiaphotometry for white dwarfs. <i>Astronomy and Astrophysics</i> , 2014 , 565, A11	5.1	40
26	Overview and stellar statistics of the expected Gaia Catalogue using the Gaia Object Generator. <i>Astronomy and Astrophysics</i> , 2014 , 566, A119	5.1	32
25	A new maximum likelihood method for luminosity calibrations. <i>Astronomy and Astrophysics</i> , 1996 , 117, 405-415		27
24	SOM ensemble for unsupervised outlier analysis. Application to outlier identification in the Gaia astronomical survey. <i>Expert Systems With Applications</i> , 2013 , 40, 1530-1541	7.8	18
23	GAIA: origin and evolution of the Milky Way 1998 , 3350, 541		17
22	Long period variable stars: galactic populations and infrared luminosity calibrations. <i>Astronomy and Astrophysics</i> , 2001 , 374, 968-979	5.1	15
21	Period-Luminosity-Colour distribution and classification of Galactic oxygen-rich LPVs. <i>Astronomy and Astrophysics</i> , 1999 , 140, 55-67		15
20	An updated maximum likelihood approach to open cluster distance determination. <i>Astronomy and Astrophysics</i> , 2014 , 564, A49	5.1	12
19	Gaia: organisation and challenges for the data processing. <i>Proceedings of the International Astronomical Union</i> , 2007 , 3, 224-230	0.1	11
18	Period-Luminosity-Colour distribution and classification of galactic oxygen-rich LPVs. <i>Astronomy and Astrophysics</i> , 2001 , 365, 519-534	5.1	9
17	A framework for building hypercubes using MapReduce. <i>Computer Physics Communications</i> , 2014 , 185, 1429-1438	4.2	7
16	Building the cosmic distance scale: from Hipparcos to Gaia. <i>Astrophysics and Space Science</i> , 2012 , 341, 15-29	1.6	6
15	Milky Way spiral arms from open clusters in Gaia EDR3. <i>Astronomy and Astrophysics</i> , 2021 , 652, A162	5.1	5
14	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , 2017 , 605, A52	5.1	4
13	Using Java for distributed computing in the Gaia satellite data processing. <i>Experimental Astronomy</i> , 2011 , 31, 243-258	1.3	3
12	Gaia data simulations: a powerful tool to prepare for the Gaia scientific exploitation. <i>EAS Publications Series</i> , 2010 , 45, 25-30	0.2	3
11	Tailored data compression using stream partitioning and prediction: application to Gaia. <i>Experimental Astronomy</i> , 2007 , 21, 125-149	1.3	3
10	Faint objects in motion: the new frontier of high precision astrometry. <i>Experimental Astronomy</i> , 2021 , 51, 845	1.3	3

9	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2006 , 42, 421-435	3.7	2
8	Stellar and circumstellar evolution of long period variable stars. <i>Astronomy and Astrophysics</i> , 2001 , 380, 198-211	5.1	2
7	Gaia Cepheids and RR Lyrae stars and luminosity calibrations based on Tycho-Gaia Astrometric Solution. <i>EPJ Web of Conferences</i> , 2017 , 152, 02003	0.3	1
6	JStuff - a preliminary extragalactic model for the ESA-Gaia satellite simulation framework. <i>Proceedings of the International Astronomical Union</i> , 2007 , 3, 276-277	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	Astrostatistics for luminosity calibration in the Gaia era. <i>EAS Publications Series</i> , 2014 , 67-68, 271-274	0.2	
3	Preparing the Besançon Galaxy Model for the comparison with Gaia data.. <i>EAS Publications Series</i> , 2010 , 45, 303-308	0.2	
2	Stellar parameters through high precision parallaxes. <i>Proceedings of the International Astronomical Union</i> , 2007 , 3, 500-501	0.1	
1	Robotic design of the Montsec Astronomical Observatory. <i>Astronomische Nachrichten</i> , 2004 , 325, 658-658.7		