

Jos de Bruijne

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,973
citations

567281

15
h-index

642732

23
g-index

26
all docs

26
docs citations

26
times ranked

2262
citing authors

#	ARTICLE	IF	CITATIONS
1	A [ITAL]Hipparcos[ITAL] Census of the Nearby OB Associations. <i>Astronomical Journal</i> , 1999, 117, 354-399.	4.7	1,073
2	Science performance of Gaia, ESA's space-astrometry mission. <i>Astrophysics and Space Science</i> , 2012, 341, 31-41.	1.4	227
3	The Origin of Runaway Stars. <i>Astrophysical Journal</i> , 2000, 544, L133-L136.	4.5	126
4	Structure and colour-magnitude diagrams of Scorpius OB2 based on kinematic modelling of Hipparcos data. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 310, 585-617.	4.4	87
5	A refurbished convergent-point method for finding moving groups in the Hipparcos Catalogue*. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 306, 381-393.	4.4	71
6	Runaway and walkaway stars from the ONC with Gaia DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 3104-3123.	4.4	44
7	The design and performance of the Gaia photometric system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 367, 290-314.	4.4	42
8	The 800 pc long tidal tails of the Hyades star cluster. <i>Astronomy and Astrophysics</i> , 2021, 647, A137.	5.1	42
9	High-speed energy-resolved STJ photometry of the eclipsing dwarf nova IY UMa. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 339, 810-816.	4.4	34
10	An analytical model of radiation-induced Charge Transfer Inefficiency for CCD detectors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 3078-3085.	4.4	34
11	A Gaia study of the Hyades open cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 3197-3216.	4.4	32
12	On the accuracy of mass measurement for microlensing black holes as seen by Gaia and OGLE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 2013-2028.	4.4	31
13	Scale-free dynamical models for galaxies: flattened densities in spherical potentials. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 282, 909-925.	4.4	27
14	STJ observations of the eclipsing polar HU Aqr. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 336, 1129-1138.	4.4	20
15	Two $B\bar{A}\eta$ -Vitse Gaps in the Main Sequence of the Hyades. <i>Astrophysical Journal</i> , 2000, 544, L65-L67.	4.5	16
16	Variability of the accretion stream in the eclipsing polar EP Dra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 341, 863-869.	4.4	13
17	Constraining the initial conditions of NGC 2264 using ejected stars found in <i>Gaia</i> DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3178-3206.	4.4	11
18	Analysis of astronomical data from optical superconducting tunnel junctions. <i>Optical Engineering</i> , 2002, 41, 1158.	1.0	8

#	ARTICLE	IF	CITATIONS
19	Gaia astrometric CCDs and focal plane. , 2005, , .		7
20	Gaia: 1,000 million stars with 100 CCD detectors. Proceedings of SPIE, 2010, , .	0.8	7
21	A parameter database for large scientific projects: application to the Gaia space astrometry mission. Experimental Astronomy, 2008, 22, 143-150.	3.7	6
22	Optimising the Gaia scanning law for relativity experiments. Proceedings of the International Astronomical Union, 2009, 5, 331-333.	0.0	6
23	Benford's law in the <i>Gaia</i> universe. Astronomy and Astrophysics, 2020, 642, A205.	5.1	5
24	XO-7 b: A Transiting Hot Jupiter with a Massive Companion on a Wide Orbit. Astronomical Journal, 2020, 159, 44.	4.7	4
25	Gaia: how to map a billion stars with a billion pixels. Proceedings of the International Astronomical Union, 2007, 3, 262-263.	0.0	0
26	Motions in Sculptor in three dimensions. Nature Astronomy, 2018, 2, 116-117.	10.1	0