Anthony Brown

List of Publications by Year
in descending order

46 papers	21,855 citations	147801 31 h-index	243625 44 g-index
46 all docs	46 docs citations	46 times ranked	11574 citing authors

#	Article	IF	Citations
1	*Gaia* Data Release 2. Astronomy and Astrophysics, 2018, 616, A1.	5.1	6,364
2	The *Gaia* mission. Astronomy and Astrophysics, 2016, 595, A1.	5.1	4,509
3	*Gaia* Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A1.	5.1	2,429
4	*Gaia* Data Release 1. Astronomy and Astrophysics, 2016, 595, A2.	5.1	1,590
5	A [ITAL]Hipparcos[/ITAL] Census of the Nearby OB Associations. Astronomical Journal, 1999, 117, 354-399.	4.7	1,073
6	The merger that led to the formation of the Milky Way's inner stellar halo and thick disk. Nature, 2018, 563, 85-88.	27.8	765
7	*Gaia* Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A2.	5.1	647
8	*Gaia* Data Release 2. Astronomy and Astrophysics, 2018, 616, A10.	5.1	638
9	*Gaia* Data Release 2. Astronomy and Astrophysics, 2018, 616, A9.	5.1	564
10	*Gaia* Data Release 2. Astronomy and Astrophysics, 2018, 616, A4.	5.1	556
11	*Gaia* Data Release 2. Astronomy and Astrophysics, 2018, 616, A12.	5.1	491
12	*Gaia* Data Release 2. Astronomy and Astrophysics, 2018, 616, A11.	5.1	323
13	Unresolved stellar companions with *Gaia* DR2 astrometry. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1922-1940.	4.4	219
14	Photo-astrometric distances, extinctions, and astrophysical parameters for *Gaia* DR2 stars brighter than *G* = 18. Astronomy and Astrophysics, 2019, 628, A94.	5.1	201
15	*Gaia* Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A6.	5.1	175
16	*Gaia* Data Release 2. Astronomy and Astrophysics, 2018, 616, A14.	5.1	140
17	3D mapping of young stars in the solar neighbourhood with *Gaia* DR2. Astronomy and Astrophysics, 2018, 620, A172.	5.1	104
18	*Gaia* Data Release 2. Astronomy and Astrophysics, 2019, 623, A110.	5.1	101

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19	The mass of the young planet Beta Pictoris b through the astrometric motion of its host star. Nature Astronomy, 2018, 2, 883-886.	10.1	83
20	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 605, A79.	5.1	78
21	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 601, A19.	5.1	77
22	Gaia DR2 in 6D: searching for the fastest stars in the Galaxy. Monthly Notices of the Royal Astronomical Society, 2019, 490, 157-171.	4.4	63
23	NESTED SHELLS REVEAL THE REJUVENATION OF THE ORIONâ€"ERIDANUS SUPERBUBBLE. Astrophysical Journal, 2015, 808, 111.	4.5	61
24	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A8.	5.1	60
25	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2016, 595, A7.	5.1	59
26	Structure, kinematics, and ages of the young stellar populations in the Orion region. Astronomy and Astrophysics, 2019, 628, A123.	5.1	59
27	Three-dimensional motions in the Sculptor dwarf galaxy as a glimpse of a new era. Nature Astronomy, 2018, 2, 156-161.	10.1	55
28	New light on the <i>Gaia</i> DR2 parallax zero-point: influence of the asteroseismic approach, in and beyond the <i>Kepler</i> field. Astronomy and Astrophysics, 2019, 628, A35.	5.1	50
29	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 599, A32.	5.1	47
30	The Gaia mission: science, organization and present status. Proceedings of the International Astronomical Union, 2007, 3, 217-223.	0.0	46
31	Testing asteroseismology with Gaia DR2: hierarchical models of the Red Clump. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3569-3585.	4.4	46
32	On the Hipparcos parallaxes of O stars. Astronomy and Astrophysics, 2004, 428, 149-157.	5.1	28
33	Microarcsecond Astrometry: Science Highlights from <i>Gaia</i>. Annual Review of Astronomy and Astrophysics, 2021, 59, 59-115.	24.3	28
34	Mapping young stellar populations toward Orion with <i>Gaia </i>DR1. Astronomy and Astrophysics, 2017, 608, A148.	5.1	26
35	An artificial neural network to discover hypervelocity stars: candidates in Gaia DR1/TGAS. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1388-1403.	4.4	23
36	Selection Functions in Astronomical Data Modeling, with the Space Density of White Dwarfs as a Worked Example. Astronomical Journal, 2021, 162, 142.	4.7	20

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37	Finding Quasars behind the Galactic Plane. I. Candidate Selections with Transfer Learning. Astrophysical Journal, Supplement Series, 2021, 254, 6.	7.7	17
38	A Catalog of Known Galactic K-M Stars of Class I Candidate Red Supergiants in Gaia DR2. Astronomical Journal, 2019, 158, 20.	4.7	15
39	Attitude reconstruction for the *Gaia* spacecraft. Astronomy and Astrophysics, 2013, 551, A19.	5.1	10
40	Dynamical attitude model for Gaia. Experimental Astronomy, 2012, 34, 669-703.	3.7	5
41	The Pre-main Sequence Population of Sco-Cen Unveiled with Gaia DR2. Research Notes of the AAS, 2018, 2, 58.	0.7	4
42	Getting ready for the micro-arcsecond era. Proceedings of the International Astronomical Union, 2007, 3, 567-576.	0.0	2
43	The Gaia sky: version 1.0. Proceedings of the International Astronomical Union, 2017, 12, 13-22.	0.0	2
44	Characterizing the Evolved Stellar Population in the Galactic Foreground. I. Bolometric Magnitudes, Spatial Distribution and Period–Luminosity Relations. Astrophysical Journal, 2020, 904, 82.	4.5	2
45	ELSA – training the next generation of space astrometrists. Proceedings of the International Astronomical Union, 2007, 3, 529-530.	0.0	0
46	Astrometric Galactic maser measurements cross-matched with Gaia. Proceedings of the International Astronomical Union, 2017, 13, 351-352.	0.0	0