Morgan Fouesneau

List of Publications by Year
in descending order

58 papers	21,003 citations	109321 35 h-index	144013 57 g-index
58 all docs	58 docs citations	58 times ranked	11642 citing authors

#	Article	IF	Citations
1	Astrophysical parameters from <i>Gaia</i> DR2, 2MASS, and AllWISE. Astronomy and Astrophysics, 2022, 662, A125.	5.1	9
2	A stellar stream remnant of a globular cluster below the metallicity floor. Nature, 2022, 601, 45-48.	27.8	22
3	Three-dimensional dust density structure of the Orion, Cygnus X, Taurus, and Perseus star-forming regions. Astronomy and Astrophysics, 2022, 658, A166.	5.1	10
4	Improving White Dwarfs as Chronometers with Gaia Parallaxes and Spectroscopic Metallicities. Astrophysical Journal, 2022, 929, 26.	4.5	7
5	The Pristine survey â€" XVII. The C-19 stream is dynamically hot and more extended than previously thought. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1664-1671.	4.4	4
6	Data-driven Stellar Models. Astrophysical Journal, 2021, 907, 57.	4.5	6
7	Estimating Distances from Parallaxes. V. Geometric and Photogeometric Distances to 1.47 Billion Stars in Gaia Early Data Release 3. Astronomical Journal, 2021, 161, 147.	4.7	922
8	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A6.	5.1	175
9	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A9.	5.1	55
10	Precise Ages of Field Stars from White Dwarf Companions in Gaia DR2. Astrophysical Journal, Supplement Series, 2021, 253, 58.	7.7	7
11	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A8.	5.1	60
12	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A1.	5.1	2,429
13	Galactic spiral structure revealed by <i>Gaia</i> EDR3. Astronomy and Astrophysics, 2021, 651, A104.	5.1	62
14	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
15	An astronomical instituteâ€™s perspective on meeting the challenges of the climate crisis. Nature Astronomy, 2020, 4, 812-815.	10.1	24
16	A Gaia Early DR3 Mock Stellar Catalog: Galactic Prior and Selection Function. Publications of the Astronomical Society of the Pacific, 2020, 132, 074501.	3.1	32
17	Evidence of a dynamically evolving Galactic warp. Nature Astronomy, 2020, 4, 590-596.	10.1	45
18	PHAT XX. AGB Stars and Other Cool Giants in M31 Star Clusters. Astrophysical Journal, 2020, 901, 19.	4.5	7

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19	Mapping the Escape Fraction of Ionizing Photons Using Resolved Stars: A Much Higher Escape Fraction for NGC 4214. Astrophysical Journal, 2020, 902, 54.	4.5	21
20	Quasar and galaxy classification in Gaia Data Release 2. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5615-5633.	4.4	43
21	Tracing the formation of the Milky Way through ultra metal-poor stars. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2166-2180.	4.4	73
22	Precise Ages of Field Stars from White Dwarf Companions. Astrophysical Journal, 2019, 870, 9.	4.5	25
23	A catalog of 159,238 white dwarf ages. Proceedings of the International Astronomical Union, 2019, 15, 188-191.	0.0	0
24	Combined Effects of Rotation and Age Spreads on Extended Main-Sequence Turn Offs. Astrophysical Journal, 2019, 887, 199.	4.5	32
25	Galactic DoppelgÃ¤ngers: The Chemical Similarity Among Field Stars and Among Stars with a Common Birth Origin. Astrophysical Journal, 2018, 853, 198.	4.5	65
26	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A11.	5.1	323
27	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A8.	5.1	368
28	The Pristine survey IV: approaching the Galactic metallicity floor with the discovery of an ultra-metal-poor star. Monthly Notices of the Royal Astronomical Society, 2018, 481, 3838-3852.	4.4	50
29	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A14.	5.1	140
30	A Gaia DR2 Mock Stellar Catalog. Publications of the Astronomical Society of the Pacific, 2018, 130, 074101.	3.1	46
31	Three-dimensional dust mapping in the Orion complex, combining <i>Gaia</i>-TGAS, 2MASS, and WISE. Astronomy and Astrophysics, 2018, 616, A44.	5.1	13
32	New stellar encounters discovered in the second <i>Gaia</i> data release. Astronomy and Astrophysics, 2018, 616, A37.	5.1	47
33	Estimating Distance from Parallaxes. IV. Distances to 1.33 Billion Stars in Gaia Data Release 2. Astronomical Journal, 2018, 156, 58.	4.7	1,446
34	The Galactic warp revealed by <i>Gaia</i> DR2 kinematics. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 481, L21-L25.	3.3	82
35	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A10.	5.1	638
36	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A1.	5.1	6,364

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37	Inferring the three-dimensional distribution of dust in the Galaxy with a non-parametric method. Astronomy and Astrophysics, 2017, 598, A125.	5.1	29
38	A New Approach to Convective Core Overshooting: Probabilistic Constraints from Colorâ€"Magnitude Diagrams of LMC Clusters. Astrophysical Journal, 2017, 841, 69.	4.5	13
39	The Pristine survey â€" III. Spectroscopic confirmation of an efficient search for extremely metal-poor stars. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2963-2974.	4.4	45
40	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XVII. EXAMINING OBSCURED STAR FORMATION WITH SYNTHETIC ULTRAVIOLET FLUX MAPS IN M31*. Astrophysical Journal, 2017, 834, 70.	4.5	10
41	Panchromatic Hubble Andromeda Treasury. XVIII. The High-mass Truncation of the Star Cluster Mass Function. Astrophysical Journal, 2017, 839, 78.	4.5	75
42	The Pristine survey â€" I. Mining the Galaxy for the most metal-poor stars. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2587-2604.	4.4	156
43	The $\langle i \rangle$Gaia$\langle /i \rangle$ mission. Astronomy and Astrophysics, 2016, 595, A1.	5.1	4,509
44	$\langle i \rangle$Gaia$\langle /i \rangle$ Data Release 1. Astronomy and Astrophysics, 2016, 595, A2.	5.1	1,590
45	PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XVI. STAR CLUSTER FORMATION EFFICIENCY AND THE CLUSTERED FRACTION OF YOUNG STARS. Astrophysical Journal, 2016, 827, 33.	4.5	84
46	Red giant masses and ages derived from carbon and nitrogen abundances. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3655-3670.	4.4	183
47	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XV. THE BEAST: BAYESIAN EXTINCTION AND STELLAR TOOL*. Astrophysical Journal, 2016, 826, 104.	4.5	36
48	A RADIAL AGE GRADIENT IN THE GEOMETRICALLY THICK DISK OF THE MILKY WAY. Astrophysical Journal, 2016, 831, 139.	4.5	72
49	TESTING DENSITY WAVE THEORY WITH RESOLVED STELLAR POPULATIONS AROUND SPIRAL ARMS IN M81. Astrophysical Journal, 2015, 810, 9.	4.5	17
50	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. VIII. A WIDE-AREA, HIGH-RESOLUTION MAP OF DUST EXTINCTION IN M31. Astrophysical Journal, 2015, 814, 3.	4.5	72
51	PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XIV. THE PERIODâ€"AGE RELATIONSHIP OF CEPHEID VARIABLES IN M31 STAR CLUSTERS. Astrophysical Journal, 2015, 813, 31.	4.5	16
52	PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XII. MAPPING STELLAR METALLICITY DISTRIBUTIONS IN M31. Astronomical Journal, 2015, 150, 189.	4.7	32
53	PHAT STELLAR CLUSTER SURVEY. II. ANDROMEDA PROJECT CLUSTER CATALOG. Astrophysical Journal, 2015, 802, 127.	4.5	60
54	THE PANCHROMATIC $\langle i \rangle$HUBBLE$\langle /i \rangle$ ANDROMEDA TREASURY. XI. THE SPATIALLY RESOLVED RECENT STAR FORMATION HISTORY OF M31. Astrophysical Journal, 2015, 805, 183.	4.5	86

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55	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. V. AGES AND MASSES OF THE YEAR 1 STELLAR CLUSTERS. Astrophysical Journal, 2014, 786, 117.	4.5	50
56	PHAT STELLAR CLUSTER SURVEY. I. YEAR 1 CATALOG AND INTEGRATED PHOTOMETRY. Astrophysical Journal, 2012, 752, 95.	4.5	62
57	THE ACS NEARBY GALAXY SURVEY TREASURY. X. QUANTIFYING THE STAR CLUSTER FORMATION EFFICIENCY OF NEARBY DWARF GALAXIES. Astrophysical Journal, 2012, 751, 100.	4.5	46
58	Accounting for stochastic fluctuations when analysing the integrated light of star clusters. Astronomy and Astrophysics, 2010, 521, A22.	5.1	88