

Henri Boffin

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,393
citations

279798

23
h-index

345221

36
g-index

44
all docs

44
docs citations

44
times ranked

1522
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of titanium oxide in the atmosphere of a hot Jupiter. <i>Nature</i> , 2017, 549, 238-241.	27.8	129
2	Binary stars as the key to understanding planetary nebulae. <i>Nature Astronomy</i> , 2017, 1, .	10.1	117
3	An Interacting Binary System Powers Precessing Outflows of an Evolved Star. <i>Science</i> , 2012, 338, 773-775.	12.6	75
4	A tale of three cities. <i>Astronomy and Astrophysics</i> , 2017, 604, A22.	5.1	70
5	Confirmation of the link between central star binarity and extreme abundance discrepancy factors in planetary nebulae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 4589-4613.	4.4	60
6	The double-degenerate, super-Chandrasekhar nucleus of the planetary nebula Henize 2-428. <i>Nature</i> , 2015, 519, 63-65.	27.8	56
7	ETHOS 1: a high-latitude planetary nebula with jets forged by a post-common-envelope binary central star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 1264-1274.	4.4	55
8	NGC 6778: strengthening the link between extreme abundance discrepancy factors and central star binarity in planetary nebulae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 3263-3272.	4.4	54
9	Discovery of close binary central stars in the planetary nebulae NGC 6326 and NGC 6778. <i>Astronomy and Astrophysics</i> , 2011, 531, A158.	5.1	51
10	A carbon dwarf wearing a Necklace: first proof of accretion in a post-common-envelope binary central star of a planetary nebula with jets. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 428, L39-L43.	3.3	50
11	The post-common envelope central stars of the planetary nebulae Henize 2-155 and Henize 2-161. <i>Astronomy and Astrophysics</i> , 2015, 580, A19.	5.1	47
12	The Importance of Binaries in the Formation and Evolution of Planetary Nebulae. <i>SpringerBriefs in Astronomy</i> , 2019, .	1.6	43
13	The 800 pc long tidal tails of the Hyades star cluster. <i>Astronomy and Astrophysics</i> , 2021, 647, A137.	5.1	42
14	Potassium detection in the clear atmosphere of a hot-Jupiter. <i>Astronomy and Astrophysics</i> , 2016, 596, A47.	5.1	39
15	A sextet of clusters in the Vela OB2 region revealed by <i>Gaia</i> . <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 481, L11-L15.	3.3	35
16	The post-common-envelope, binary central star of the planetary nebula Hen 2-11. <i>Astronomy and Astrophysics</i> , 2014, 562, A89.	5.1	33
17	When the tale comes true: multiple populations and wide binaries in the Orion Nebula Cluster. <i>Astronomy and Astrophysics</i> , 2019, 627, A57.	5.1	33
18	High-resolution Transmission Spectroscopy of Four Hot Inflated Gas Giant Exoplanets. <i>Astronomical Journal</i> , 2019, 158, 120.	4.7	33

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19	PENELLOPE: The ESO data legacy program to complement the <i>Hubble</i> UV Legacy Library of Young Stars (ULLYSES). <i>Astronomy and Astrophysics</i> , 2021, 650, A196.	5.1	32
20	Regaining the FORS: optical ground-based transmission spectroscopy of the exoplanet WASP-19b with VLT+FOR2. <i>Astronomy and Astrophysics</i> , 2015, 576, L11.	5.1	31
21	Uncovering a 260 pc wide, 35-Myr-old filamentary relic of star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2205-2216.	4.4	30
22	A stellar relic filament in the Orion star-forming region. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 4418-4428.	4.4	29
23	TOI-503: The First Known Brown-dwarf Am-star Binary from the TESS Mission*. <i>Astronomical Journal</i> , 2020, 159, 151.	4.7	29
24	A Spectral Survey of WASP-19b with ESPRESSO. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	27
25	The short orbital period binary star at the heart of the planetary nebula M 3-1. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 482, L75-L79.	3.3	23
26	MUSE spectroscopy of planetary nebulae with high abundance discrepancies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5444-5463.	4.4	19
27	A plague of magnetic spots among the hot stars of globular clusters. <i>Nature Astronomy</i> , 2020, 4, 1092-1101.	10.1	15
28	Towards a more complete sample of binary central stars of planetary nebulae with <i>Gaia</i> . <i>Astronomy and Astrophysics</i> , 2021, 648, A95.	5.1	15
29	A Renaissance study of Am stars. <i>Astronomy and Astrophysics</i> , 2010, 524, A14.	5.1	14
30	Masses of the components of SB2s observed with <i>Gaia</i> II. Masses derived from PIONIER interferometric observations for <i>Gaia</i> validation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 3303-3311.	4.4	12
31	Detection Limits of Exoplanetary Atmospheres with 2-m Class Telescopes. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 085001.	3.1	11
32	The post-common-envelope binary central star of the planetary nebula ETHOS 1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 6005-6012.	4.4	11
33	Resolved Imaging of the AR Puppis Circumbinary Disk*. <i>Astronomical Journal</i> , 2019, 157, 110.	4.7	10
34	PENELLOPE. <i>Astronomy and Astrophysics</i> , 2021, 656, A138.	5.1	10
35	The post-common-envelope binary central star of the planetary nebula PN G283.7+05.1. <i>Astronomy and Astrophysics</i> , 2020, 642, A108.	5.1	10
36	A tale of caution: the tails of NGC 752 are much longer than claimed. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 3579-3592.	4.4	9

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37	Masses of the components of SB2 binaries observed with Gaia – V. Accurate SB2 orbits for 10 binaries and masses of the components of 5 binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1355-1368.	4.4	8
38	The post-common-envelope binary central star of the planetary nebula Ou5: a doubly eclipsing post-red-giant-branch system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3102-3110.	4.4	8
39	The impact of strong recombination on temperature determination in planetary nebulae. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 498, L82-L86.	3.3	6
40	TOI-1268b: The youngest hot Saturn-mass transiting exoplanet. <i>Astronomy and Astrophysics</i> , 2022, 662, A107.	5.1	4
41	Constraints on <i>TESS</i> albedos for five hot Jupiters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3444-3457.	4.4	3
42	TOI-2046b, TOI-1181b, and TOI-1516b, three new hot Jupiters from <i>TESS</i> : planets orbiting a young star, a subgiant, and a normal star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 5955-5972.	4.4	3
43	Imaging the elusive H-poor gas in planetary nebulae with large abundance discrepancy factors. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 65-69.	0.0	2
44	No Detection of Sodium in the Atmosphere of the Warm Neptune HD 106315c. <i>Research Notes of the AAS</i> , 2022, 6, 129.	0.7	0