

Hayley E Bignall

List of Publications by Year in descending order

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49
papers

1,153
citations

394421

19
h-index

377865

34
g-index

49
all docs

49
docs citations

49
times ranked

1200
citing authors

#	ARTICLE	IF	CITATIONS
1	Interstellar scintillation, ISS, and intrinsic variability of radio AGN. <i>Advances in Space Research</i> , 2020, 65, 756-762.	2.6	5
2	Optical Study of PKS B1322-110, the Intra-hour Variable Radio Source. <i>Astrophysical Journal</i> , 2020, 900, 169.	4.5	1
3	Spica and the annual cycle of PKS B1322-110 scintillations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4372-4381.	4.4	8
4	ALMA observations of PKS 1549-79: a case of feeding and feedback in a young radio quasar. <i>Astronomy and Astrophysics</i> , 2019, 632, A66.	5.1	20
5	Effelsberg Monitoring of a Sample of Radio Astron Blazars: Analysis of Intra-Day Variability. <i>Galaxies</i> , 2018, 6, 49.	3.0	7
6	Extreme Radio-wave Scattering Associated with Hot Stars. <i>Astrophysical Journal</i> , 2017, 843, 15.	4.5	31
7	Scintillation kinks, bumps and wiggles in the radio spectrum of the quasar PMN J1106+3647. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 5023-5032.	4.4	4
8	Interstellar Scintillation and Scattering of Micro-arc-second AGN. <i>Galaxies</i> , 2016, 4, 62.	3.0	7
9	DYNAMIC SPECTRAL MAPPING OF INTERSTELLAR PLASMA LENSES. <i>Astrophysical Journal</i> , 2016, 817, 176.	4.5	27
10	Real-time detection of an extreme scattering event: Constraints on Galactic plasma lenses. <i>Science</i> , 2016, 351, 354-356.	12.6	53
11	Microarcsecond structure of an AGN Jet via Interstellar Scintillation. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 143-144.	0.0	0
12	The AuScope geodetic VLBI array. <i>Journal of Geodesy</i> , 2013, 87, 527-538.	3.6	36
13	Power-law models of totally anisotropic scattering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 2562-2568.	4.4	13
14	THE MICRO-ARCSECOND SCINTILLATION-INDUCED VARIABILITY (MASIV) SURVEY. III. OPTICAL IDENTIFICATIONS AND NEW REDSHIFTS. <i>Astrophysical Journal</i> , 2013, 767, 14.	4.5	20
15	VAST: An ASKAP Survey for Variables and Slow Transients. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	3.4	88
16	THE MICROARCSECOND STRUCTURE OF AN ACTIVE GALACTIC NUCLEUS JET VIA INTERSTELLAR SCINTILLATION. <i>Astrophysical Journal</i> , 2013, 765, 142.	4.5	10
17	Science at Very High Angular Resolution with the Square Kilometre Array. <i>Publications of the Astronomical Society of Australia</i> , 2012, 29, 42-53.	3.4	29
18	WHY DO COMPACT ACTIVE GALACTIC NUCLEI AT HIGH REDSHIFT SCINTILLATE LESS?. <i>Astrophysical Journal</i> , 2012, 756, 29.	4.5	12

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19	Detection of six rapidly scintillating active galactic nuclei and the diminished variability of J1819+3845. <i>Astronomy and Astrophysics</i> , 2011, 534, L1.	5.1	11
20	Global e-VLBI observations of the gamma-ray narrow line Seyfert 1 PMN J0948+0022. <i>Astronomy and Astrophysics</i> , 2011, 528, L11.	5.1	35
21	Interstellar Scintillation as a Cosmological Probe: Prospects and Challenges. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 347-348.	0.0	0
22	On Rapid Interstellar Scintillation of Quasars: PKS 1257-326 Revisited. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 129-132.	0.0	0
23	First Geodetic Observations Using New VLBI Stations ASKAP-29 and WARK12M. <i>Publications of the Astronomical Society of Australia</i> , 2011, 28, 107-116.	3.4	6
24	DUAL-FREQUENCY OBSERVATIONS OF 140 COMPACT, FLAT-SPECTRUM ACTIVE GALACTIC NUCLEI FOR SCINTILLATION-INDUCED VARIABILITY. <i>Astronomical Journal</i> , 2011, 142, 108.	4.7	19
25	EVOLUTION OF THE PARSEC-SCALE STRUCTURE OF PKS 1934+638 REVISITED: FIRST SCIENCE WITH THE ASKAP AND NEW ZEALAND TELESCOPES. <i>Astronomical Journal</i> , 2010, 140, 1506-1510.	4.7	12
26	Extremely anisotropic scintillations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 397, 447-452.	4.4	18
27	MULTIWAVELENGTH MONITORING OF THE ENIGMATIC NARROW-LINE SEYFERT 1 PMN J0948+0022 IN 2009 MARCH-JULY. <i>Astrophysical Journal</i> , 2009, 707, 727-737.	4.5	81
28	On the relationship between BL Lacertae objects and radio galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 391, 967-985.	4.4	36
29	The Microarcsecond Scintillation-Induced Variability (MASIV) Survey. II. The First Four Epochs. <i>Astrophysical Journal</i> , 2008, 689, 108-126.	4.5	98
30	Green Bank Telescope Observations of the Water Masers of NGC 3079: Accretion Disk Magnetic Field and Maser Scintillation. <i>Astrophysical Journal</i> , 2007, 656, 198-205.	4.5	20
31	Overview of the coordinated ground-based observations of Titan during the Huygens mission. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	34
32	Rapid Interstellar Scintillation of PKS 1257-326: Two-Station Pattern Time Delays and Constraints on Scattering and Microarcsecond Source Structure. <i>Astrophysical Journal</i> , 2006, 652, 1050-1058.	4.5	60
33	Milliarcsecond-Scale Structure in the Gamma-Ray Loud Quasar PKS 1622-297. <i>Publication of the Astronomical Society of Japan</i> , 2006, 58, 223-232.	2.5	3
34	The variable extragalactic radio universe. <i>EAS Publications Series</i> , 2005, 15, 157-176.	0.3	0
35	Rapid Interstellar Scintillation of Quasar PKS 1257-326. <i>Highlights of Astronomy</i> , 2005, 13, 703-708.	0.0	0
36	ATCA radio monitoring of blazars observed with BeppoSAX. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2004, 132, 149-152.	0.4	0

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37	The Radio Variability of the Gravitational Lens PMN J1838-3427. <i>Astronomical Journal</i> , 2004, 128, 2696-2703.	4.7	6
38	Interstellar Scintillation and Annual Cycles in the BL Lac Source PKS 1519-273. <i>Astrophysics and Space Science</i> , 2003, 288, 63-68.	1.4	26
39	Variability in GPS Sources. <i>Publications of the Astronomical Society of Australia</i> , 2003, 20, 151-155.	3.4	14
40	First Results from MASIV: The Microarcsecond Scintillation-induced Variability Survey. <i>Astronomical Journal</i> , 2003, 126, 1699-1706.	4.7	84
41	Rapid Variability and Annual Cycles in the Characteristic Timescale of the Scintillating Source PKS 1257+326. <i>Astrophysical Journal</i> , 2003, 585, 653-664.	4.5	105
42	New Results from an ATCA Study of Intraday Variable Radio Sources. <i>Publications of the Astronomical Society of Australia</i> , 2002, 19, 29-33.	3.4	12
43	Intraday Variability and Microarcsecond Structure in Blazar Cores. <i>Symposium - International Astronomical Union</i> , 2001, 205, 84-87.	0.1	2
44	Radio Intra-Day Variability: Answers and Questions. <i>International Astronomical Union Colloquium</i> , 2001, 182, 86-92.	0.1	0
45	The Deep X-Ray Radio Blazar Survey (DXRBS) – II. New identifications. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 323, 757-784.	4.4	86
46	Examples of extreme intraday variability. <i>Astrophysics and Space Science</i> , 2001, 278, 113-117.	1.4	6
47	Radio Intra-Day Variability: Answers and Questions. <i>Astrophysics and Space Science</i> , 2001, 278, 87-92.	1.4	6
48	Centaurus A: Multiwavelength observations of the nearest active galaxy from radio to gamma-rays. <i>Advances in Space Research</i> , 1999, 23, 911-914.	2.6	1
49	The annual cycle in scintillation timescale of PMN J1726+0639. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	1