Hayley E Bignall

List of Publications by Year
in descending order

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	Rapid Variability and Annual Cycles in the Characteristic Timescale of the Scintillating Source PKS 1257â˜326. Astrophysical Journal, 2003, 585, 653-664.	4.5	105
2	The Microâ€Arcsecond Scintillationâ€Induced Variability (MASIV) Survey. II. The First Four Epochs. Astrophysical Journal, 2008, 689, 108-126.	4.5	98
3	VAST: An ASKAP Survey for Variables and Slow Transients. Publications of the Astronomical Society of Australia, 2013, 30, .	3.4	88
4	The Deep X-Ray Radio Blazar Survey (DXRBS) -- II. New identifications. Monthly Notices of the Royal Astronomical Society, 2001, 323, 757-784.	4.4	86
5	First Results from MASIV: The Microarcsecond Scintillation-induced Variability Survey. Astronomical Journal, 2003, 126, 1699-1706.	4.7	84
6	MULTIWAVELENGTH MONITORING OF THE ENIGMATIC NARROW-LINE SEYFERT 1 PMN J0948+0022 IN 2009 MARCH-JULY. Astrophysical Journal, 2009, 707, 727-737.	4.5	81
7	Rapid Interstellar Scintillation of PKS 1257â˜326: Twoâ€Station Pattern Time Delays and Constraints on Scattering and Microarcsecond Source Structure. Astrophysical Journal, 2006, 652, 1050-1058.	4.5	60
8	Real-time detection of an extreme scattering event: Constraints on Galactic plasma lenses. Science, 2016, 351, 354-356.	12.6	53
9	On the relationship between BL Lacertae objects and radio galaxies. Monthly Notices of the Royal Astronomical Society, 2008, 391, 967-985.	4.4	36
10	The AuScope geodetic VLBI array. Journal of Geodesy, 2013, 87, 527-538.	3.6	36
11	Global e-VLBI observations of the gamma-ray narrow line SeyfertÂ1 PMN J0948+0022. Astronomy and Astrophysics, 2011, 528, L11.	5.1	35
12	Overview of the coordinated ground-based observations of Titan during the Huygens mission. Journal of Geophysical Research, 2006, 111, .	3.3	34
13	Extreme Radio-wave Scattering Associated with Hot Stars. Astrophysical Journal, 2017, 843, 15.	4.5	31
14	Science at Very High Angular Resolution with the Square Kilometre Array. Publications of the Astronomical Society of Australia, 2012, 29, 42-53.	3.4	29
15	DYNAMIC SPECTRAL MAPPING OF INTERSTELLAR PLASMA LENSES. Astrophysical Journal, 2016, 817, 176.	4.5	27
16	Interstellar Scintillation and Annual Cycles in the BL Lac Source PKS 1519-273. Astrophysics and Space Science, 2003, 288, 63-68.	1.4	26
17	Green Bank Telescope Observations of the Water Masers of NGC 3079: Accretion Disk Magnetic Field and Maser Scintillation. Astrophysical Journal, 2007, 656, 198-205.	4.5	20
18	THE MICRO-ARCSECOND SCINTILLATION-INDUCED VARIABILITY (MASIV) SURVEY. III. OPTICAL IDENTIFICATIONS AND NEW REDSHIFTS. Astrophysical Journal, 2013, 767, 14.	4.5	20

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19	ALMA observations of PKS 1549â€“79: a case of feeding and feedback in a young radio quasar. Astronomy and Astrophysics, 2019, 632, A66.	5.1	20
20	DUAL-FREQUENCY OBSERVATIONS OF 140 COMPACT, FLAT-SPECTRUM ACTIVE GALACTIC NUCLEI FOR SCINTILLATION-INDUCED VARIABILITY. Astronomical Journal, 2011, 142, 108.	4.7	19
21	Extremely anisotropic scintillations. Monthly Notices of the Royal Astronomical Society, 2009, 397, 447-452.	4.4	18
22	Variability in GPS Sources. Publications of the Astronomical Society of Australia, 2003, 20, 151-155.	3.4	14
23	Power-law models of totally anisotropic scattering. Monthly Notices of the Royal Astronomical Society, 2013, 429, 2562-2568.	4.4	13
24	New Results from an ATCA Study of Intraday Variable Radio Sources. Publications of the Astronomical Society of Australia, 2002, 19, 29-33.	3.4	12
25	EVOLUTION OF THE PARSEC-SCALE STRUCTURE OF PKS 1934â€“638 REVISITED: FIRST SCIENCE WITH THE ASKAP AND NEW ZEALAND TELESCOPES. Astronomical Journal, 2010, 140, 1506-1510.	4.7	12
26	WHY DO COMPACT ACTIVE GALACTIC NUCLEI AT HIGH REDSHIFT SCINTILLATE LESS?. Astrophysical Journal, 2012, 756, 29.	4.5	12
27	Detection of six rapidly scintillating active galactic nuclei and the diminished variability of J1819+3845. Astronomy and Astrophysics, 2011, 534, L1.	5.1	11
28	THE MICROARCSECOND STRUCTURE OF AN ACTIVE GALACTIC NUCLEUS JET VIA INTERSTELLAR SCINTILLATION. Astrophysical Journal, 2013, 765, 142.	4.5	10
29	Spica and the annual cycle of PKS B1322â€“110 scintillations. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4372-4381.	4.4	8
30	Interstellar Scintillation and Scattering of Micro-arc-second AGN. Galaxies, 2016, 4, 62.	3.0	7
31	Effelsberg Monitoring of a Sample of RadioAstron Blazars: Analysis of Intra-Day Variability. Galaxies, 2018, 6, 49.	3.0	7
32	Examples of extreme intraday variability. Astrophysics and Space Science, 2001, 278, 113-117.	1.4	6
33	Radio Intra-Day Variability: Answers and Questions. Astrophysics and Space Science, 2001, 278, 87-92.	1.4	6
34	The Radio Variability of the Gravitational Lens PMN J1838-3427. Astronomical Journal, 2004, 128, 2696-2703.	4.7	6
35	First Geodetic Observations Using New VLBI Stations ASKAP-29 and WARK12M. Publications of the Astronomical Society of Australia, 2011, 28, 107-116.	3.4	6
36	Interstellar scintillation, ISS, and intrinsic variability of radio AGN. Advances in Space Research, 2020, 65, 756-762.	2.6	5

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37	Scintillation kinks, bumps and wiggles in the radio spectrum of the quasar PMNÂJ1106â˜3647. Monthly Notices of the Royal Astronomical Society, 2017, 469, 5023-5032.	4.4	4
38	Milliarcsecond-Scale Structure in the Gamma-Ray Loud Quasar PKS 1622â˜297. Publication of the Astronomical Society of Japan, 2006, 58, 223-232.	2.5	3
39	Intraday Variability and Microarcsecond Structure in Blazar Cores. Symposium - International Astronomical Union, 2001, 205, 84-87.	0.1	2
40	Centaurus A: Multiwavelength observations of the nearest active galaxy from radio to gamma-rays. Advances in Space Research, 1999, 23, 911-914.	2.6	1
41	Optical Study of PKS B1322-110, the Intra-hour Variable Radio Source. Astrophysical Journal, 2020, 900, 169.	4.5	1
42	The annual cycle in scintillation timescale of PMNÂJ1726+0639. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
43	Radio Intra-Day Variability: Answers and Questions. International Astronomical Union Colloquium, 2001, 182, 86-92.	0.1	0
44	ATCA radio monitoring of blazars observed with BeppoSAX. Nuclear Physics, Section B, Proceedings Supplements, 2004, 132, 149-152.	0.4	0
45	The variable extragalactic radio universe. EAS Publications Series, 2005, 15, 157-176.	0.3	0
46	Rapid Interstellar Scintillation of Quasar PKS 1257-326. Highlights of Astronomy, 2005, 13, 703-708.	0.0	0
47	Interstellar Scintillation as a Cosmological Probe: Prospects and Challenges. Proceedings of the International Astronomical Union, 2011, 7, 347-348.	0.0	0
48	On Rapid Interstellar Scintillation of Quasars: PKS 1257-326 Revisited. Proceedings of the International Astronomical Union, 2011, 7, 129-132.	0.0	0
49	Microarcsecond structure of an AGN Jet via Interstellar Scintillation. Proceedings of the International Astronomical Union, 2014, 10, 143-144.	0.0	0