Geoffrey V Bicknell

List of Publications by Year
in descending order

67 papers	3,681 citations	159585 30 h-index	128289 60 g-index
69 all docs	69 docs citations	69 times ranked	2777 citing authors

#	Article	IF	Citations
1	Unification of the Radio and Optical Properties of Gigahertz Peak Spectrum and Compact Steepâ€Spectrum Radio Sources. Astrophysical Journal, 1997, 485, 112-124.	4.5	248
2	DRIVING OUTFLOWS WITH RELATIVISTIC JETS AND THE DEPENDENCE OF ACTIVE GALACTIC NUCLEUS FEEDBACK EFFICIENCY ON INTERSTELLAR MEDIUM INHOMOGENEITY. Astrophysical Journal, 2012, 757, 136.	4.5	222
3	Relativistic Jets and the Fanaroff-Riley Classification of Radio Galaxies. Astrophysical Journal, Supplement Series, 1995, 101, 29.	7.7	173
4	RELATIVISTIC JET FEEDBACK IN EVOLVING GALAXIES. Astrophysical Journal, 2011, 728, 29.	4.5	167
5	On the relationship between BL Lacertae objects and Fanaroff-Riley I radio galaxies. Astrophysical Journal, 1994, 422, 542.	4.5	159
6	Understanding the Kiloparsec-Scale Structure of M87. Astrophysical Journal, 1996, 467, 597.	4.5	151
7	Jetâ€Induced Emissionâ€Line Nebulosity and Star Formation in the Highâ€Redshift Radio Galaxy 4C 41.17. Astrophysical Journal, 2000, 540, 678-686.	4.5	149
8	Threeâ€Dimensional Simulations of a Starburstâ€driven Galactic Wind. Astrophysical Journal, 2008, 674, 157-171.	4.5	146
9	STARBURST-DRIVEN GALACTIC WINDS: FILAMENT FORMATION AND EMISSION PROCESSES. Astrophysical Journal, 2009, 703, 330-347.	4.5	142
10	Relativistic jet feedback â€“ III. Feedback on gas discs. Monthly Notices of the Royal Astronomical Society, 2018, 479, 5544-5566.	4.4	138
11	Relativistic jet feedback in high-redshift galaxies â€“ I. Dynamics. Monthly Notices of the Royal Astronomical Society, 2016, 461, 967-983.	4.4	136
12	Interactions of a Light Hypersonic Jet with a Nonuniform Interstellar Medium. Astrophysical Journal, Supplement Series, 2007, 173, 37-69.	7.7	132
13	Shock excitation of the emission-line filaments in Centaurus A. Astrophysical Journal, 1993, 414, 510.	4.5	117
14	ULTRAFAST OUTFLOWS: GALAXY-SCALE ACTIVE GALACTIC NUCLEUS FEEDBACK. Astrophysical Journal Letters, 2013, 763, L18.	8.3	106
15	The LINER Nucleus of M87: A Shockâ€excited Dissipative Accretion Disk. Astrophysical Journal, 1997, 490, 202-215.	4.5	94
16	A UNIFIED MODEL OF THE FERMI BUBBLES, MICROWAVE HAZE, AND POLARIZED RADIO LOBES: REVERSE SHOCKS IN THE GALACTIC CENTERâ€™S GIANT OUTFLOWS. Astrophysical Journal, 2015, 808, 107.	4.5	84
17	Relativistic jet feedback â€“ II. Relationship to gigahertz peak spectrum and compact steep spectrum radio galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3493-3501.	4.4	80
18	The jetâ€“ISM interactions in IC 5063. Monthly Notices of the Royal Astronomical Society, 2018, 476, 80-95.	4.4	72

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19	The Numerical Simulation of Radiative Shocks. II. Thermal Instabilities in Twoâ€dimensional Models. Astrophysical Journal, 2003, 591, 238-257.	4.5	68
20	Dynamics and Energetics of Turbulent, Magnetized Disk Accretion around Black Holes: A Firstâ€Principles Approach to Diskâ€Coronaâ€Outflow Coupling. Astrophysical Journal, 2004, 616, 669-687.	4.5	64
21	OPTICAL IFU OBSERVATIONS OF THE BRIGHTEST CLUSTER GALAXY NGC 4696: THE CASE FOR A MINOR MERGER AND SHOCK-EXCITED FILAMENTS. Astrophysical Journal, 2010, 724, 267-284.	4.5	62
22	The Centaurus A Northern Middle Lobe as a Buoyant Bubble. Astrophysical Journal, 2001, 563, 103-117.	4.5	56
23	A Relativistic Jet in the Radio-quiet Quasar PG 1407+263. Astrophysical Journal, 2003, 591, L103-L106.	4.5	52
24	3D structure of truncated accretion discs in close binaries. Monthly Notices of the Royal Astronomical Society, 1993, 264, 691-704.	4.4	46
25	The 1.4-GHz radio properties of hard X-ray-selected AGN. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1289-1298.	4.4	45
26	A MULTIWAVELENGTH STUDY OF THE HIGH SURFACE BRIGHTNESS HOT SPOT IN PKS 1421â€“490. Astrophysical Journal, 2009, 695, 707-723.	4.5	41
27	Filament formation in windâ€“cloud interactionsâ€“ II. Clouds with turbulent density, velocity, and magnetic fields. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3454-3489.	4.4	41
28	How frequent are close supermassive binary black holes in powerful jet sources?. Monthly Notices of the Royal Astronomical Society, 2019, 482, 240-261.	4.4	40
29	MRCâ€ƒB0319â^'454: probing the large-scale structure with a giant radio galaxy. Monthly Notices of the Royal Astronomical Society, 2009, 393, 2-20.	4.4	36
30	PERIODIC STRUCTURE IN THE MEGAPARSEC-SCALE JET OF PKS 0637â€“752. Astrophysical Journal Letters, 2012, 758, L27.	8.3	34
31	Jets blowing bubbles in the young radio galaxy 4C 31.04. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3393-3409.	4.4	29
32	Global simulations of magnetorotational turbulence â€“ I. Convergence and the quasi-steady state. Monthly Notices of the Royal Astronomical Society, 2013, 435, 2281-2298.	4.4	28
33	Revolutionizing Our Understanding of AGN Feedback and its Importance to Galaxy Evolution in the Era of the Next Generation Very Large Array. Astrophysical Journal, 2018, 859, 23.	4.5	27
34	Interaction of jets with the ISM of radio galaxies. Astrophysics and Space Science, 2007, 311, 293-303.	1.4	26
35	MULTI-DIMENSIONAL SIMULATIONS OF THE EXPANDING SUPERNOVA REMNANT OF SN 1987A. Astrophysical Journal, 2014, 794, 174.	4.5	26
36	Impact of relativistic jets on the star formation rate: a turbulence-regulated framework. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4738-4757.	4.4	26

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37	STEADY-STATE HADRONIC GAMMA-RAY EMISSION FROM 100-MYR-OLD FERMI BUBBLES. Astrophysical Journal Letters, 2014, 791, L20.	8.3	25
38	The Snake: A Reconnecting Coil in a Twisted Magnetic Flux Tube. Astrophysical Journal, 2001, 548, L69-L72.	4.5	25
39	GPS and CSS Sources â€" Theory and Modelling. Publications of the Astronomical Society of Australia, 2003, 20, 102-109.	3.4	24
40	Multi-epoch sub-arcsecond [Feâ€‰ii] spectroimaging of the DG Tau outflows with NIFS â€" I. First data epoch. Monthly Notices of the Royal Astronomical Society, 2014, 441, 1681-1707.	4.4	24
41	Production of Ringlike Structure in the Cocoon of Hercules A. Astrophysical Journal, 2002, 579, 176-187.	4.5	23
42	Accretion discs in blazars. Monthly Notices of the Royal Astronomical Society, 2009, 400, 1521-1526.	4.4	22
43	Towards a new standard model for black hole accretion. Astrophysics and Space Science, 2007, 311, 127-135.	1.4	21
44	Induced Compton Scattering in Gigahertz Peak Spectrum Radio Sources. Astrophysical Journal, 1998, 495, L35-L38.	4.5	21
45	Feedback from low-luminosity radio galaxies: B2 0258+35. Astronomy and Astrophysics, 2019, 629, A58.	5.1	19
46	CANGAROO-III SEARCH FOR TeV GAMMA RAYS FROM TWO CLUSTERS OF GALAXIES. Astrophysical Journal, 2009, 704, 240-246.	4.5	18
47	Cold gas removal from the centre of a galaxy by a low-luminosity jet. Nature Astronomy, 2022, 6, 488-495.	10.1	18
48	Dynamics and Excitation of Radio Galaxy Emissionâ€Line Regions. I. PKS 2356â^'61. Astrophysical Journal, 1998, 497, 662-680.	4.5	16
49	EQUILIBRIUM DISKS, MAGNETOROTATIONAL INSTABILITY MODE EXCITATION, AND STEADY-STATE TURBULENCE IN GLOBAL ACCRETION DISK SIMULATIONS. Astrophysical Journal, 2013, 763, 99.	4.5	16
50	A Varying Mass-to-Light Ratio in the Galactic Center Cluster?. Astrophysical Journal, 1996, 467, 636.	4.5	16
51	Tracing the Milky Wayâ€™s Vestigial Nuclear Jet. Astrophysical Journal, 2021, 922, 254.	4.5	14
52	Filaments in the Galactic Centreâ€"with Special Reference to the â€˜Snakeâ€™. Publications of the Astronomical Society of Australia, 2001, 18, 431-442.	3.4	13
53	Connections between jet physics and the properties of radio-loud and radio-quiet galaxies. New Astronomy Reviews, 2002, 46, 365-379.	12.8	13
54	TOWARDS A NEW STANDARD THEORY FOR ASTROPHYSICAL DISK ACCRETION. Modern Physics Letters A, 2007, 22, 1685-1700.	1.2	12

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55	Searching for signs of jet-driven negative feedback in the nearby radio galaxy UGCâ€‰05771. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4944-4961.	4.4	12
56	Resolved simulations of <scp>jetâ€“ISM</scp> interaction: Implications for gas dynamics and star formation. Astronomische Nachrichten, 2021, 342, 1140-1145.	1.2	10
57	Unravelling the enigmatic ISM conditions in Minkowskiâ€™s object. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4940-4960.	4.4	9
58	The extent of ionization in simulations of radio-loud AGNs impacting kpc gas discs. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1622-1636.	4.4	9
59	Three-dimensional simulations of a starburst wind. Astrophysics and Space Science, 2007, 311, 99-103.	1.4	5
60	THE KINEMATICS AND IONIZATION OF NUCLEAR GAS CLOUDS IN CENTAURUS A. Astrophysical Journal, 2013, 766, 36.	4.5	5
61	Radio-Excess IRAS Galaxies: Low Power CSS/GPS Sources?. Publications of the Astronomical Society of Australia, 2003, 20, 57-61.	3.4	4
62	New global 3D MHD simulations of black hole disk accretion and outflows. Proceedings of the International Astronomical Union, 2008, 4, 129-130.	0.0	3
63	Enhanced MHD Transport in Astrophysical Accretion Flows: Turbulence, Winds and Jets. Plasma and Fusion Research, 2009, 4, 017-017.	0.7	2
64	Tracing the Ionization Structure of the Shocked Filaments of NGC 6240. Astrophysical Journal, 2021, 923, 160.	4.5	2
65	Linkage between accretion disks and blazars. Astrophysics and Space Science, 2007, 311, 275-279.	1.4	1
66	Magnetic Fields on Different Scales in AGN. AIP Conference Proceedings, 2005, , .	0.4	0
67	Location of the TeV-emitting region in PKS 2155-304. , 2008, , .		0