

Geoffrey V Bicknell

List of Publications by Year in descending order

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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	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
2	Cold gas removal from the centre of a galaxy by a low-luminosity jet. Nature Astronomy, 2022, 6, 488-495.	10.1	18
3	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
4	Resolved simulations of jet-ISM interaction: Implications for gas dynamics and star formation. Astronomische Nachrichten, 2021, 342, 1140-1145.	1.2	10
5	Tracing the Milky Way's Vestigial Nuclear Jet. Astrophysical Journal, 2021, 922, 254.	4.5	14
6	Tracing the Ionization Structure of the Shocked Filaments of NGC 6240. Astrophysical Journal, 2021, 923, 160.	4.5	2
7	Unravelling the enigmatic ISM conditions in Minkowski's object. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4940-4960.	4.4	9
8	Searching for signs of jet-driven negative feedback in the nearby radio galaxy UGC 05771. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4944-4961.	4.4	12
9	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
10	Feedback from low-luminosity radio galaxies: B2 0258+35. Astronomy and Astrophysics, 2019, 629, A58.	5.1	19
11	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
12	Relativistic jet feedback 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
13	The jet-ISM interactions in IC 5063. Monthly Notices of the Royal Astronomical Society, 2018, 476, 80-95.	4.4	72
14	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
15	Relativistic jet feedback III. Feedback on gas discs. Monthly Notices of the Royal Astronomical Society, 2018, 479, 5544-5566.	4.4	138
16	Filament formation in wind-cloud interactions II. Clouds with turbulent density, velocity, and magnetic fields. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3454-3489.	4.4	41
17	Relativistic jet feedback in high-redshift galaxies I. Dynamics. Monthly Notices of the Royal Astronomical Society, 2016, 461, 967-983.	4.4	136
18	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

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19	A UNIFIED MODEL OF THE FERMI BUBBLES, MICROWAVE HAZE, AND POLARIZED RADIO LOBES: REVERSE SHOCKS IN THE GALACTIC CENTER'S GIANT OUTFLOWS. <i>Astrophysical Journal</i> , 2015, 808, 107.	4.5	84
20	STEADY-STATE HADRONIC GAMMA-RAY EMISSION FROM 100-MYR-OLD FERMI BUBBLES. <i>Astrophysical Journal Letters</i> , 2014, 791, L20.	8.3	25
21	Multi-epoch sub-arcsecond [Fe ⁱⁱⁱ] spectroimaging of the DG Tau outflows with NIFS I. First data epoch. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 1681-1707.	4.4	24
22	MULTI-DIMENSIONAL SIMULATIONS OF THE EXPANDING SUPERNOVA REMNANT OF SN 1987A. <i>Astrophysical Journal</i> , 2014, 794, 174.	4.5	26
23	Global simulations of magnetorotational turbulence I. Convergence and the quasi-steady state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 2281-2298.	4.4	28
24	ULTRAFAST OUTFLOWS: GALAXY-SCALE ACTIVE GALACTIC NUCLEUS FEEDBACK. <i>Astrophysical Journal Letters</i> , 2013, 763, L18.	8.3	106
25	THE KINEMATICS AND IONIZATION OF NUCLEAR GAS CLOUDS IN CENTAURUS A. <i>Astrophysical Journal</i> , 2013, 766, 36.	4.5	5
26	EQUILIBRIUM DISKS, MAGNETOROTATIONAL INSTABILITY MODE EXCITATION, AND STEADY-STATE TURBULENCE IN GLOBAL ACCRETION DISK SIMULATIONS. <i>Astrophysical Journal</i> , 2013, 763, 99.	4.5	16
27	PERIODIC STRUCTURE IN THE MEGAPARSEC-SCALE JET OF PKS 0637+752. <i>Astrophysical Journal Letters</i> , 2012, 758, L27.	8.3	34
28	DRIVING OUTFLOWS WITH RELATIVISTIC JETS AND THE DEPENDENCE OF ACTIVE GALACTIC NUCLEUS FEEDBACK EFFICIENCY ON INTERSTELLAR MEDIUM INHOMOGENEITY. <i>Astrophysical Journal</i> , 2012, 757, 136.	4.5	222
29	RELATIVISTIC JET FEEDBACK IN EVOLVING GALAXIES. <i>Astrophysical Journal</i> , 2011, 728, 29.	4.5	167
30	OPTICAL IFU OBSERVATIONS OF THE BRIGHTEST CLUSTER GALAXY NGC 4696: THE CASE FOR A MINOR MERGER AND SHOCK-EXCITED FILAMENTS. <i>Astrophysical Journal</i> , 2010, 724, 267-284.	4.5	62
31	A MULTIWAVELENGTH STUDY OF THE HIGH SURFACE BRIGHTNESS HOT SPOT IN PKS 1421+490. <i>Astrophysical Journal</i> , 2009, 695, 707-723.	4.5	41
32	STARBURST-DRIVEN GALACTIC WINDS: FILAMENT FORMATION AND EMISSION PROCESSES. <i>Astrophysical Journal</i> , 2009, 703, 330-347.	4.5	142
33	Enhanced MHD Transport in Astrophysical Accretion Flows: Turbulence, Winds and Jets. <i>Plasma and Fusion Research</i> , 2009, 4, 017-017.	0.7	2
34	CANGAROO-III SEARCH FOR TeV GAMMA RAYS FROM TWO CLUSTERS OF GALAXIES. <i>Astrophysical Journal</i> , 2009, 704, 240-246.	4.5	18
35	MRC 0319+454: probing the large-scale structure with a giant radio galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 393, 2-20.	4.4	36
36	Accretion discs in blazars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 400, 1521-1526.	4.4	22

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37	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
38	Location of the TeV-emitting region in PKS 2155-304. , 2008, , .		0
39	Threeâ€Dimensional Simulations of a Starburstâ€driven Galactic Wind. Astrophysical Journal, 2008, 674, 157-171.	4.5	146
40	TOWARDS A NEW STANDARD THEORY FOR ASTROPHYSICAL DISK ACCRETION. Modern Physics Letters A, 2007, 22, 1685-1700.	1.2	12
41	Interactions of a Light Hypersonic Jet with a Nonuniform Interstellar Medium. Astrophysical Journal, Supplement Series, 2007, 173, 37-69.	7.7	132
42	Towards a new standard model for black hole accretion. Astrophysics and Space Science, 2007, 311, 127-135.	1.4	21
43	Three-dimensional simulations of a starburst wind. Astrophysics and Space Science, 2007, 311, 99-103.	1.4	5
44	Interaction of jets with the ISM of radio galaxies. Astrophysics and Space Science, 2007, 311, 293-303.	1.4	26
45	Linkage between accretion disks and blazars. Astrophysics and Space Science, 2007, 311, 275-279.	1.4	1
46	Magnetic Fields on Different Scales in AGN. AIP Conference Proceedings, 2005, , .	0.4	0
47	Dynamics and Energetics of Turbulent, Magnetized Disk Accretion around Black Holes: A Firstâ€Principal Approach to Diskâ€Coronaâ€Outflow Coupling. Astrophysical Journal, 2004, 616, 669-687.	4.5	64
48	GPS and CSS Sources â€ Theory and Modelling. Publications of the Astronomical Society of Australia, 2003, 20, 102-109.	3.4	24
49	Radio-Excess IRAS Galaxies: Low Power CSS/GPS Sources?. Publications of the Astronomical Society of Australia, 2003, 20, 57-61.	3.4	4
50	The Numerical Simulation of Radiative Shocks. II. Thermal Instabilities in Twoâ€dimensional Models. Astrophysical Journal, 2003, 591, 238-257.	4.5	68
51	A Relativistic Jet in the Radio-quiet Quasar PG 1407+263. Astrophysical Journal, 2003, 591, L103-L106.	4.5	52
52	Production of Ringlike Structure in the Cocoon of Hercules A. Astrophysical Journal, 2002, 579, 176-187.	4.5	23
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	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

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55	The Snake: A Reconnecting Coil in a Twisted Magnetic Flux Tube. <i>Astrophysical Journal</i> , 2001, 548, L69-L72.	4.5	25
56	The Centaurus A Northern Middle Lobe as a Buoyant Bubble. <i>Astrophysical Journal</i> , 2001, 563, 103-117.	4.5	56
57	Jet-induced Emission-line Nebulosity and Star Formation in the High-redshift Radio Galaxy 4C 41.17. <i>Astrophysical Journal</i> , 2000, 540, 678-686.	4.5	149
58	Dynamics and Excitation of Radio Galaxy Emission-line Regions. I. PKS 2356-61. <i>Astrophysical Journal</i> , 1998, 497, 662-680.	4.5	16
59	Induced Compton Scattering in Gigahertz Peak Spectrum Radio Sources. <i>Astrophysical Journal</i> , 1998, 495, L35-L38.	4.5	21
60	Unification of the Radio and Optical Properties of Gigahertz Peak Spectrum and Compact Steep-spectrum Radio Sources. <i>Astrophysical Journal</i> , 1997, 485, 112-124.	4.5	248
61	The LINER Nucleus of M87: A Shock-excited Dissipative Accretion Disk. <i>Astrophysical Journal</i> , 1997, 490, 202-215.	4.5	94
62	Understanding the Kiloparsec-Scale Structure of M87. <i>Astrophysical Journal</i> , 1996, 467, 597.	4.5	151
63	A Varying Mass-to-Light Ratio in the Galactic Center Cluster?. <i>Astrophysical Journal</i> , 1996, 467, 636.	4.5	16
64	Relativistic Jets and the Fanaroff-Riley Classification of Radio Galaxies. <i>Astrophysical Journal</i> , Supplement Series, 1995, 101, 29.	7.7	173
65	On the relationship between BL Lacertae objects and Fanaroff-Riley I radio galaxies. <i>Astrophysical Journal</i> , 1994, 422, 542.	4.5	159
66	3D structure of truncated accretion discs in close binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 1993, 264, 691-704.	4.4	46
67	Shock excitation of the emission-line filaments in Centaurus A. <i>Astrophysical Journal</i> , 1993, 414, 510.	4.5	117