

Jonathan C Mckinney

List of Publications by Year in descending order

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71102

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3594
citing authors

#	ARTICLE	IF	CITATIONS
1	PATOKA: Simulating Electromagnetic Observables of Black Hole Accretion. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 64.	7.7	25
2	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26.	7.7	175
3	General relativistic radiation magnetohydrodynamic simulations of thin magnetically arrested discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3547-3561.	4.4	22
4	Angular momentum transport in thin magnetically arrested discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1837-1843.	4.4	21
5	A Unified Model for Tidal Disruption Events. <i>Astrophysical Journal Letters</i> , 2018, 859, L20.	8.3	200
6	Observational Signatures of Mass-loading in Jets Launched by Rotating Black Holes. <i>Astrophysical Journal</i> , 2018, 853, 44.	4.5	9
7	High energy radiation from jets and accretion disks near rotating black holes. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
8	Probing the Magnetic Field Structure in on Black Hole Horizon Scales with Polarized Radiative Transfer Simulations. <i>Astrophysical Journal</i> , 2017, 837, 180.	4.5	66
9	Electromagnetic versus Lense-Thirring alignment of black hole accretion discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 2660-2671.	4.4	9
10	Radiative, two-temperature simulations of low-luminosity black hole accretion flows in general relativity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 705-725.	4.4	100
11	Blazar Variability from Turbulence in Jets Launched by Magnetically Arrested Accretion Flows. <i>Astrophysical Journal</i> , 2017, 843, 81.	4.5	18
12	JET SIGNATURES IN THE SPECTRA OF ACCRETING BLACK HOLES. <i>Astrophysical Journal</i> , 2016, 819, 95.	4.5	15
13	Efficiency of thin magnetically arrested discs around black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 636-648.	4.4	67
14	EFFECTS OF SPIN ON HIGH-ENERGY RADIATION FROM ACCRETING BLACK HOLES. <i>Astrophysical Journal</i> , 2016, 831, 62.	4.5	5
15	SOFT X-RAY TEMPERATURE TIDAL DISRUPTION EVENTS FROM STARS ON DEEP PLUNGING ORBITS. <i>Astrophysical Journal Letters</i> , 2015, 812, L39.	8.3	116
16	Global simulations of axisymmetric radiative black hole accretion discs in general relativity with a mean-field magnetic dynamo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 49-71.	4.4	137
17	Efficiency of super-Eddington magnetically-arrested accretion. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 454, L6-L10.	3.3	69
18	Resolved magnetic-field structure and variability near the event horizon of Sagittarius A*. <i>Science</i> , 2015, 350, 1242-1245.	12.6	176

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19	Three-dimensional general relativistic radiation magnetohydrodynamical simulation of super-Eddington accretion, using a new code harmrad with M1 closure. Monthly Notices of the Royal Astronomical Society, 2014, 441, 3177-3208.	4.4	228
20	Transient jet formation and state transitions from large-scale magnetic reconnection in black hole accretion discs. Monthly Notices of the Royal Astronomical Society, 2014, 440, 2185-2190.	4.4	46
21	Numerical simulations of super-critical black hole accretion flows in general relativity. Monthly Notices of the Royal Astronomical Society, 2014, 439, 503-520.	4.4	228
22	Alignment of Magnetized Accretion Disks and Relativistic Jets with Spinning Black Holes. Science, 2013, 339, 49-52.	12.6	172
23	SUBMILLIMETER QUASI-PERIODIC OSCILLATIONS IN MAGNETICALLY CHOKED ACCRETION FLOW MODELS OF SgrA*. Astrophysical Journal Letters, 2013, 774, L22.	8.3	19
24	General Relativistic Modeling of Magnetized Jets from Accreting Black Holes. Journal of Physics: Conference Series, 2012, 372, 012040.	0.4	79
25	Constraining the Accretion Flow in Sgr A* by General Relativistic Dynamical and Polarized Radiative Modeling. Proceedings of the International Astronomical Union, 2012, 8, 309-310.	0.0	1
26	SAGITTARIUS A* ACCRETION FLOW AND BLACK HOLE PARAMETERS FROM GENERAL RELATIVISTIC DYNAMICAL AND POLARIZED RADIATIVE MODELING. Astrophysical Journal, 2012, 755, 133.	4.5	132
27	Probing Black Hole Gravity. Science, 2012, 337, 916-917.	12.6	0
28	A reconnection switch to trigger gamma-ray burst jet dissipation. Monthly Notices of the Royal Astronomical Society, 2012, 419, 573-607.	4.4	189
29	Thin-disc theory with a non-zero-torque boundary condition and comparisons with simulations. Monthly Notices of the Royal Astronomical Society, 2012, 420, 684-698.	4.4	43
30	Prograde and retrograde black holes: whose jet is more powerful?. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 423, L55-L59.	3.3	158
31	The size of the jet launching region in M87. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1517-1528.	4.4	127
32	General relativistic magnetohydrodynamic simulations of magnetically choked accretion flows around black holes. Monthly Notices of the Royal Astronomical Society, 2012, 423, 3083-3117.	4.4	666
33	Measuring black hole spin by the continuum-fitting method: effect of deviations from the Novikov-Thorne disc model. Monthly Notices of the Royal Astronomical Society, 2011, 414, 1183-1194.	4.4	106
34	Efficient generation of jets from magnetically arrested accretion on a rapidly spinning black hole. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 418, L79-L83.	3.3	771
35	Magnetic reconnection with radiative cooling. I. Optically thin regime. Physics of Plasmas, 2011, 18, 042105.	1.9	47
36	Slowly balding black holes. Physical Review D, 2011, 84, .	4.7	39

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37	BLACK HOLE SPIN AND THE RADIO LOUD/QUIET DICHOTOMY OF ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal</i> , 2010, 711, 50-63.	4.5	396
38	PARSEC-SCALE FARADAY ROTATION MEASURES FROM GENERAL RELATIVISTIC MAGNETOHYDRODYNAMIC SIMULATIONS OF ACTIVE GALACTIC NUCLEUS JETS. <i>Astrophysical Journal</i> , 2010, 725, 750-773.	4.5	76
39	Magnetohydrodynamic simulations of gamma-ray burst jets: Beyond the progenitor star. <i>New Astronomy</i> , 2010, 15, 749-754.	1.8	124
40	Simulations of magnetized discs around black holes: effects of black hole spin, disc thickness and magnetic field geometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 408, 752-782.	4.4	242
41	THE SUBMILLIMETER BUMP IN Sgr A* FROM RELATIVISTIC MHD SIMULATIONS. <i>Astrophysical Journal</i> , 2010, 717, 1092-1104.	4.5	182
42	TWO-DIMENSIONAL SIMULATIONS OF FU ORIONIS DISK OUTBURSTS. <i>Astrophysical Journal</i> , 2009, 701, 620-634.	4.5	131
43	Stability of relativistic jets from rotating, accreting black holes via fully three-dimensional magnetohydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2009, 394, L126-L130.	3.3	331
44	EFFICIENCY OF MAGNETIC TO KINETIC ENERGY CONVERSION IN A MONOPOLE MAGNETOSPHERE. <i>Astrophysical Journal</i> , 2009, 699, 1789-1808.	4.5	163
45	Simulations of ultrarelativistic magnetodynamic jets from gamma-ray burst engines. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 551-572.	4.4	210
46	Three-Dimensional Simulations of Magnetized Thin Accretion Disks around Black Holes: Stress in the Plunging Region. <i>Astrophysical Journal</i> , 2008, 687, L25-L28.	4.5	146
47	Equation of state in relativistic magnetohydrodynamics: variable versus constant adiabatic index. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 378, 1118-1130.	4.4	145
48	Primitive Variable Solvers for Conservative General Relativistic Magnetohydrodynamics. <i>Astrophysical Journal</i> , 2006, 641, 626-637.	4.5	218
49	General relativistic force-free electrodynamics: a new code and applications to black hole magnetospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 367, 1797-1807.	4.4	98
50	Total and Jet Blandford-Znajek Power in the Presence of an Accretion Disk. <i>Astrophysical Journal</i> , 2005, 630, L5-L8.	4.5	213
51	Black Hole Spin Evolution. <i>Astrophysical Journal</i> , 2004, 602, 312-319.	4.5	255
52	A Measurement of the Electromagnetic Luminosity of a Kerr Black Hole. <i>Astrophysical Journal</i> , 2004, 611, 977-995.	4.5	470
53	HARM: A Numerical Scheme for General Relativistic Magnetohydrodynamics. <i>Astrophysical Journal</i> , 2003, 589, 444-457.	4.5	569
54	Numerical Models of Viscous Accretion Flows near Black Holes. <i>Astrophysical Journal</i> , 2002, 573, 728-737.	4.5	45