Ramesh Narayan

List of Publications by Year
in descending order

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305 papers	37,014 citations	2795 94 h-index	3094 187 g-index
308 all docs	308 docs citations	308 times ranked	9864 citing authors

#	Article	IF	Citations
1	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. Astrophysical Journal, 2022, 925, 13.	1.6	6
2	Building a weak shockwave from linear modes. Journal of Plasma Physics, 2022, 88, .	0.7	0
3	Brightness Asymmetry of Black Hole Images as a Probe of Observer Inclination. Astrophysical Journal, 2022, 924, 46.	1.6	8
4	Jets in magnetically arrested hot accretion flows: geometry, power, and black hole spin-down. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3795-3813.	1.6	58
5	Faraday depolarization and induced circular polarization by multipath propagation with application to FRBs. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4654-4668.	1.6	37
6	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. Astrophysical Journal Letters, 2022, 930, L14.	3.0	163
7	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. Astrophysical Journal Letters, 2022, 930, L21.	3.0	20
8	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. Astrophysical Journal Letters, 2022, 930, L17.	3.0	215
9	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. Astrophysical Journal Letters, 2022, 930, L13.	3.0	142
10	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. Astrophysical Journal Letters, 2022, 930, L15.	3.0	137
11	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. Astrophysical Journal Letters, 2022, 930, L12.	3.0	568
12	Selective Dynamical Imaging of Interferometric Data. Astrophysical Journal Letters, 2022, 930, L18.	3.0	21
13	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2022, 930, L19.	3.0	43
14	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. Astrophysical Journal Letters, 2022, 930, L20.	3.0	20
15	Observational properties of puffy discs: radiative GRMHD spectra of mildly sub-Eddington accretion. Monthly Notices of the Royal Astronomical Society, 2022, 514, 780-789.	1.6	12
16	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. Astrophysical Journal Letters, 2022, 930, L16.	3.0	187
17	Analytical Model of Disk Evaporation and State Transitions in Accreting Black Holes. Astrophysical Journal, 2022, 932, 97.	1.6	5
18	Density jump as a function of magnetic field for switch-on collisionless shocks in pair plasmas. Journal of Plasma Physics, 2022, 88, .	0.7	4

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19	Detectability of wandering intermediate-mass black holes in the Milky Way galaxy from radio to x-rays. Monthly Notices of the Royal Astronomical Society, 2022, 515, 2110-2120.	1.6	7
20	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. Astrophysical Journal Letters, 2021, 910, L12.	3.0	215
21	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. Astrophysical Journal Letters, 2021, 910, L14.	3.0	67
22	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. Astrophysical Journal Letters, 2021, 910, L13.	3.0	297
23	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2021, 911, L11.	3.0	56
24	Black hole magnetic fields and their imprint on circular polarization images. Monthly Notices of the Royal Astronomical Society, 2021, 505, 523-539.	1.6	23
25	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. Astrophysical Journal, 2021, 912, 35.	1.6	43
26	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. Nature Astronomy, 2021, 5, 1017-1028.	4.2	65
27	Accretion disks around naked singularities. Classical and Quantum Gravity, 2021, 38, 035012.	1.5	14
28	Toward Determining the Number of Observable Supermassive Black Hole Shadows. Astrophysical Journal, 2021, 923, 260.	1.6	31
29	Singularities in Reissnerâ€“NordstrÃ¶m black holes. Classical and Quantum Gravity, 2020, 37, 025009.	1.5	15
30	Looking for the underlying cause of black hole X-ray variability in GRMHD simulations. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3808-3828.	1.6	14
31	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. Physical Review Letters, 2020, 125, 141104.	2.9	190
32	Verification of Radiative Transfer Schemes for the EHT. Astrophysical Journal, 2020, 897, 148.	1.6	44
33	Decomposing the internal faraday rotation of black hole accretion flows. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5468-5488.	1.6	29
34	Universal interferometric signatures of a black holeâ€™s photon ring. Science Advances, 2020, 6, eaaz1310.	4.7	161
35	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. Astrophysical Journal, 2020, 897, 139.	1.6	47
36	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. Astronomy and Astrophysics, 2020, 640, A69.	2.1	54

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37	Density jump for parallel and perpendicular collisionless shocks. Laser and Particle Beams, 2020, 38, 114-120.	0.4	5
38	SYMBA: An end-to-end VLBI synthetic data generation pipeline. Astronomy and Astrophysics, 2020, 636, A5.	2.1	18
39	Monitoring the Morphology of M87* in 2009â€“2017 with the Event Horizon Telescope. Astrophysical Journal, 2020, 901, 67.	1.6	51
40	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. Astrophysical Journal, Supplement Series, 2019, 243, 26.	3.0	175
41	The Shadow of a Spherically Accreting Black Hole. Astrophysical Journal Letters, 2019, 885, L33.	3.0	131
42	Density jump as a function of magnetic field for collisionless shocks in pair plasmas: The perpendicular case. Physics of Plasmas, 2019, 26, .	0.7	8
43	Two-temperature, Magnetically Arrested Disc simulations of the jet from the supermassive black hole in M87. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2873-2895.	1.6	105
44	Numerical evolution of shocks in the interior of Kerr black holes. Physical Review D, 2019, 99, .	1.6	8
45	Testing General Relativity with the Black Hole Shadow Size and Asymmetry of Sagittarius A*: Limitations from Interstellar Scattering. Astrophysical Journal, 2019, 870, 6.	1.6	25
46	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. Astrophysical Journal Letters, 2019, 875, L3.	3.0	519
47	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. Astrophysical Journal Letters, 2019, 875, L2.	3.0	618
48	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L4.	3.0	806
49	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L1.	3.0	2,264
50	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. Astrophysical Journal Letters, 2019, 875, L5.	3.0	814
51	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. Astrophysical Journal Letters, 2019, 875, L6.	3.0	897
52	Electron and Proton Heating in Transrelativistic Guide Field Reconnection. Astrophysical Journal, 2019, 873, 2.	1.6	31
53	Viewing Angle of Binary Neutron Star Mergers. Physical Review X, 2019, 9, .	2.8	24
54	Fast radio burst source properties from polarization measurements. Monthly Notices of the Royal Astronomical Society, 2019, 483, 359-369.	1.6	21

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55	Shadows of spherically symmetric black holes and naked singularities. Monthly Notices of the Royal Astronomical Society, 2019, 482, 52-64.	1.6	167
56	Numerical simulations of the Cosmic Battery in accretion flows around astrophysical black holes. Monthly Notices of the Royal Astronomical Society, 2018, 473, 721-727.	1.6	15
57	Interferometric Imaging Directly with Closure Phases and Closure Amplitudes. Astrophysical Journal, 2018, 857, 23.	1.6	159
58	Density jump as a function of magnetic field strength for parallel collisionless shocks in pair plasmas. Journal of Plasma Physics, 2018, 84, .	0.7	17
59	The Scattering and Intrinsic Structure of Sagittarius A* at Radio Wavelengths. Astrophysical Journal, 2018, 865, 104.	1.6	67
60	Electron Heating in Low Mach Number Perpendicular Shocks. II. Dependence on the Pre-shock Conditions. Astrophysical Journal, 2018, 858, 95.	1.6	27
61	The role of electron heating physics in images and variability of the Galactic Centre black hole Sagittarius A*. Monthly Notices of the Royal Astronomical Society, 2018, 478, 5209-5229.	1.6	94
62	Variability Timescale and Spectral Index of Sgr A* in the Near Infrared: Approximate Bayesian Computation Analysis of the Variability of the Closest Supermassive Black Hole. Astrophysical Journal, 2018, 863, 15.	1.6	83
63	Kinetic inhibition of magnetohydrodynamics shocks in the vicinity of a parallel magnetic field. Journal of Plasma Physics, 2017, 83, .	0.7	10
64	Solventâ€induced crystal formation in polymers: Experimental studies and theoretical modeling of poly(vinyl alcohol) based on freeâ€volume concepts. Journal of Applied Polymer Science, 2017, 134, .	1.3	2
65	Departure from MHD prescriptions in shock formation over a guiding magnetic field. Laser and Particle Beams, 2017, 35, 513-519.	0.4	1
66	Electron and Proton Heating in Transrelativistic Magnetic Reconnection. Astrophysical Journal, 2017, 850, 29.	1.6	89
67	Radiative, two-temperature simulations of low-luminosity black hole accretion flows in general relativity. Monthly Notices of the Royal Astronomical Society, 2017, 466, 705-725.	1.6	100
68	Spectra of black hole accretion models of ultraluminous X-ray sources. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2997-3014.	1.6	65
69	Evolving non-thermal electrons in simulations of black hole accretion. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2367-2386.	1.6	39
70	Optical and X-ray luminosities of expanding nebulae around ultraluminous X-ray sources. Monthly Notices of the Royal Astronomical Society, 2017, 470, 361-371.	1.6	9
71	Stellar disruption events support the existence of the black hole event horizon. Monthly Notices of the Royal Astronomical Society, 2017, 468, 910-919.	1.6	25
72	Electron Heating in Low-Mach-number Perpendicular Shocks. I. Heating Mechanism. Astrophysical Journal, 2017, 851, 134.	1.6	31

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73	Locating the intense interstellar scattering towards the inner Galaxy. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3563-3576.	1.6	24
74	Black Hole Paradoxes. Journal of Physics: Conference Series, 2016, 759, 012060.	0.3	1
75	The slimming effect of advection on black-hole accretion flows. Astronomy and Astrophysics, 2016, 587, A13.	2.1	32
76	Theory of the formation of a collisionless Weibel shock: pair vs. electron/proton plasmas. Laser and Particle Beams, 2016, 34, 362-367.	0.4	7
77	THE OPTICS OF REFRACTIVE SUBSTRUCTURE. Astrophysical Journal, 2016, 826, 170.	1.6	24
78	Levitating atmospheres of Eddington-luminosity neutron stars. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3420-3428.	1.6	14
79	HIGH-RESOLUTION LINEAR POLARIMETRIC IMAGING FOR THE EVENT HORIZON TELESCOPE. Astrophysical Journal, 2016, 829, 11.	1.6	159
80	EXTREME BRIGHTNESS TEMPERATURES AND REFRACTIVE SUBSTRUCTURE IN 3C 273 WITH RADIOASTRON. Astrophysical Journal Letters, 2016, 820, L10.	3.0	30
81	Energy flows in thick accretion discs and their consequences for black hole feedback. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3915-3928.	1.6	48
82	Three-dimensional simulations of supercritical black hole accretion discs â€“ luminosities, photon trapping and variability. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3929-3947.	1.6	132
83	heroic: 3D general relativistic radiative post-processor with comptonization for black hole accretion discs. Monthly Notices of the Royal Astronomical Society, 2016, 457, 608-628.	1.6	37
84	X-ray polarimetry with the Polarization Spectroscopic Telescope Array (PolSTAR). Astroparticle Physics, 2016, 75, 8-28.	1.9	42
85	FAST VARIABILITY AND MILLIMETER/IR FLARES IN GRMHD MODELS OF Sgr A* FROM STRONG-FIELD GRAVITATIONAL LENSING. Astrophysical Journal, 2015, 812, 103.	1.6	65
86	Global simulations of axisymmetric radiative black hole accretion discs in general relativity with a mean-field magnetic dynamo. Monthly Notices of the Royal Astronomical Society, 2015, 447, 49-71.	1.6	137
87	THE EVENT HORIZON OF M87. Astrophysical Journal, 2015, 805, 179.	1.6	77
88	hero â€“ A 3D general relativistic radiative post-processor for accretion discs around black holes. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1661-1681.	1.6	26
89	Photon-conserving Comptonization in simulations of accretion discs around black holes. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2372-2380.	1.6	38
90	Resolved magnetic-field structure and variability near the event horizon of Sagittarius A*. Science, 2015, 350, 1242-1245.	6.0	176

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91	Stable, levitating, optically thin atmospheres of Eddington-luminosity neutron stars. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3766-3770.	1.6	12
92	ELECTRON HEATING BY THE ION CYCLOTRON INSTABILITY IN COLLISIONLESS ACCRETION FLOWS. I. COMPRESSION-DRIVEN INSTABILITIES AND THE ELECTRON HEATING MECHANISM. Astrophysical Journal, 2015, 800, 88.	1.6	74
93	THE POWER OF IMAGING: CONSTRAINING THE PLASMA PROPERTIES OF GRMHD SIMULATIONS USING EHT OBSERVATIONS OF Sgr A*. Astrophysical Journal, 2015, 799, 1.	1.6	123
94	NUMERICAL SIMULATION OF HOT ACCRETION FLOWS. III. REVISITING WIND PROPERTIES USING THE TRAJECTORY APPROACH. Astrophysical Journal, 2015, 804, 101.	1.6	179
95	Powerful radiative jets in supercritical accretion discs around non-spinning black holes. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3214-3222.	1.6	105
96	EVENT HORIZON TELESCOPE EVIDENCE FOR ALIGNMENT OF THE BLACK HOLE IN THE CENTER OF THE MILKY WAY WITH THE INNER STELLAR DISK. Astrophysical Journal, 2015, 798, 15.	1.6	34
97	NON-THERMAL ELECTRON ACCELERATION IN LOW MACH NUMBER COLLISIONLESS SHOCKS. II. FIREHOSE-MEDIATED FERMI ACCELERATION AND ITS DEPENDENCE ON PRE-SHOCK CONDITIONS. Astrophysical Journal, 2014, 797, 47.	1.6	88
98	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.	1.6	228
99	Numerical simulations of super-critical black hole accretion flows in general relativity. Monthly Notices of the Royal Astronomical Society, 2014, 439, 503-520.	1.6	228
100	Collisionless Weibel shocks: Full formation mechanism and timing. Physics of Plasmas, 2014, 21, .	0.7	49
101	Extracting black-hole rotational energy: The generalized Penrose process. Physical Review D, 2014, 89, .	1.6	59
102	CONFIRMATION VIA THE CONTINUUM-FITTING METHOD THAT THE SPIN OF THE BLACK HOLE IN CYGNUS X-1 IS EXTREME. Astrophysical Journal, 2014, 790, 29.	1.6	129
103	GLOBULAR CLUSTERS AND DARK SATELLITE GALAXIES THROUGH THE STREAM VELOCITY. Astrophysical Journal Letters, 2014, 791, L8.	3.0	37
104	A HIGH-FREQUENCY DOPPLER FEATURE IN THE POWER SPECTRA OF SIMULATED GRMHD BLACK HOLE ACCRETION DISKS. Astrophysical Journal, 2014, 785, 142.	1.6	8
105	IMAGING AN EVENT HORIZON: MITIGATION OF SCATTERING TOWARD SAGITTARIUS A*. Astrophysical Journal, 2014, 795, 134.	1.6	67
106	NON-THERMAL ELECTRON ACCELERATION IN LOW MACH NUMBER COLLISIONLESS SHOCKS. I. PARTICLE ENERGY SPECTRA AND ACCELERATION MECHANISM. Astrophysical Journal, 2014, 794, 153.	1.6	139
107	Tidal disruption and magnetic flux capture: powering a jet from a quiescent black hole. Monthly Notices of the Royal Astronomical Society, 2014, 445, 3919-3938.	1.6	43
108	Black Hole Spin via Continuum Fitting and the Role of Spin in Powering Transient Jets. Space Science Reviews, 2014, 183, 295-322.	3.7	234

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109	A PARALLAX DISTANCE TO THE MICROQUASAR GRS 1915+105 AND A REVISED ESTIMATE OF ITS BLACK HOLE MASS. Astrophysical Journal, 2014, 796, 2.	1.6	183
110	Hot Accretion Flows Around Black Holes. Annual Review of Astronomy and Astrophysics, 2014, 52, 529-588.	8.1	972
111	Energy Extraction from Spinning Black Holes Via Relativistic Jets. , 2014, , 523-535.		15
112	Semi-implicit scheme for treating radiation under M1 closure in general relativistic conservative fluid dynamics codes. Monthly Notices of the Royal Astronomical Society, 2013, 429, 3533-3550.	1.6	144
113	Energy, momentum and mass outflows and feedback from thick accretion discs around rotating black holes. Monthly Notices of the Royal Astronomical Society, 2013, 436, 3856-3874.	1.6	143
114	General relativistic magnetohydrodynamic simulations of Blandfordâ€“Znajek jets and the membrane paradigm. Monthly Notices of the Royal Astronomical Society, 2013, 436, 3741-3758.	1.6	84
115	Collisionless shock formation, spontaneous electromagnetic fluctuations, and streaming instabilities. Physics of Plasmas, 2013, 20, .	0.7	80
116	Relativistic collisionless shocks formation in pair plasmas. Journal of Plasma Physics, 2013, 79, 367-370.	0.7	4
117	Location of the bow shock ahead of cloud G2 at the Galactic Centre. Monthly Notices of the Royal Astronomical Society, 2013, 433, 2165-2171.	1.6	23
118	The formation of a collisionless shock. Laser and Particle Beams, 2013, 31, 487-491.	0.4	5
119	Black Hole Spin via Continuum Fitting and the Role of Spin in Powering Transient Jets. Space Sciences Series of ISSI, 2013, , 295-322.	0.0	1
120	Theoretical aspects of the Fireball scenario. EAS Publications Series, 2013, 61, 295-299.	0.3	0
121	The Shakura-Sunyaev viscosity prescription with variable Î± (r). Monthly Notices of the Royal Astronomical Society, 2013, 428, 2255-2274.	1.6	67
122	Global Structure of Optically Thin, Magnetically Supported, Two-Temperature, Black Hole Accretion Disks. Publication of the Astronomical Society of Japan, 2012, 64, .	1.0	22
123	RADIO SYNCHROTRON EMISSION FROM A BOW SHOCK AROUND THE GAS CLOUD G2 HEADING TOWARD THE GALACTIC CENTER. Astrophysical Journal Letters, 2012, 757, L20.	3.0	41
124	General Relativistic Modeling of Magnetized Jets from Accreting Black Holes. Journal of Physics: Conference Series, 2012, 372, 012040.	0.3	79
125	GRMHD simulations of magnetized advection-dominated accretion on a non-spinning black hole: role of outflows. Monthly Notices of the Royal Astronomical Society, 2012, 426, 3241-3259.	1.6	343
126	Observational evidence for a correlation between jet power and black hole spin. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 419, L69-L73.	1.2	192

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127	Bondi flow from a slowly rotating hot atmosphere. Monthly Notices of the Royal Astronomical Society, 2011, 415, 3721-3730.	1.6	59
128	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.	1.2	771
129	BLACK HOLE SPIN AND THE RADIO LOUD/QUIET DICHOTOMY OF ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2010, 711, 50-63.	1.6	396
130	THE BLACK HOLE MASS DISTRIBUTION IN THE GALAXY. Astrophysical Journal, 2010, 725, 1918-1927.	1.6	536
131	THE SPIN OF THE BLACK HOLE IN THE SOFT X-RAY TRANSIENT A0620-00. Astrophysical Journal Letters, 2010, 718, L122-L126.	3.0	77
132	ANGULAR MOMENTUM TRANSPORT IN CONVECTIVELY UNSTABLE SHEAR FLOWS. Astrophysical Journal, 2010, 719, 67-76.	1.6	12
133	Magnetohydrodynamic simulations of gamma-ray burst jets: Beyond the progenitor star. New Astronomy, 2010, 15, 749-754.	0.8	124
134	Simulations of magnetized discs around black holes: effects of black hole spin, disc thickness and magnetic field geometry. Monthly Notices of the Royal Astronomical Society, 2010, 408, 752-782.	1.6	242
135	THE CONSTANT INNER-DISK RADIUS OF LMC X-3: A BASIS FOR MEASURING BLACK HOLE SPIN. Astrophysical Journal Letters, 2010, 718, L117-L121.	3.0	187
136	A NEW DYNAMICAL MODEL FOR THE BLACK HOLE BINARY LMC X-1. Astrophysical Journal, 2009, 697, 573-591.	1.6	112
137	STABILITY OF RELATIVISTIC FORCE-FREE JETS. Astrophysical Journal, 2009, 697, 1681-1694.	1.6	62
138	MEASURING BLACK HOLE SPIN VIA THE X-RAY CONTINUUM-FITTING METHOD: BEYOND THE THERMAL DOMINANT STATE. Astrophysical Journal, 2009, 701, L83-L86.	1.6	74
139	INFERRING THE INCLINATION OF A BLACK HOLE ACCRETION DISK FROM OBSERVATIONS OF ITS POLARIZED CONTINUUM RADIATION. Astrophysical Journal, 2009, 691, 847-865.	1.6	84
140	A DETERMINATION OF THE SPIN OF THE BLACK HOLE PRIMARY IN LMC X-1. Astrophysical Journal, 2009, 701, 1076-1090.	1.6	123
141	A turbulent model of gamma-ray burst variability. Monthly Notices of the Royal Astronomical Society: Letters, 2009, 394, L117-L120.	1.2	71
142	THE EVENT HORIZON OF SAGITTARIUS A*. Astrophysical Journal, 2009, 701, 1357-1366.	1.6	124
143	EFFICIENCY OF MAGNETIC TO KINETIC ENERGY CONVERSION IN A MONOPOLE MAGNETOSPHERE. Astrophysical Journal, 2009, 699, 1789-1808.	1.6	163
144	Advection-dominated accretion and the black hole event horizon. New Astronomy Reviews, 2008, 51, 733-751.	5.2	359

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145	High-energy afterglow emission from gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2008, 384, 1483-1501.	1.6	90
146	Simulations of ultrarelativistic magnetodynamic jets from gamma-ray burst engines. Monthly Notices of the Royal Astronomical Society, 2008, 388, 551-572.	1.6	210
147	Precise Measurement of the Spin Parameter of the Stellar-Mass Black Hole M33 X-7. Astrophysical Journal, 2008, 679, L37-L40.	1.6	92
148	On the Nature of the Compact Dark Mass at the Galactic Center. Astrophysical Journal, 2006, 638, L21-L24.	1.6	95
149	A Twoâ€Zone Model for Type I Xâ€Ray Bursts on Accreting Neutron Stars. Astrophysical Journal, 2006, 652, 584-596.	1.6	22
150	On the Production and Survival of Carbon Fuel for Superbursts on Accreting Neutron Stars: Implications for Mass Donor Evolution. Astrophysical Journal, 2006, 642, 443-454.	1.6	18
151	The Rates of Type I Xâ€Ray Bursts from Transients Observed withRXTE: Evidence for Black Hole Event Horizons. Astrophysical Journal, 2006, 646, 407-419.	1.6	31
152	Thermal Xâ€Ray Iron Line Emission from the Galactic Center Black Hole Sagittarius A*. Astrophysical Journal, 2006, 640, 319-326.	1.6	60
153	Fitting Formula for Flux Scintillation of Compact Radio Sources. Astrophysical Journal, 2006, 636, 510-527.	1.6	27
154	On the Physics of Type I X-Ray Bursts on Accreting Neutron Stars at High Accretion Rates. Astrophysical Journal, 2006, 648, L123-L126.	1.6	17
155	The Spin of the Nearâ€Extreme Kerr Black Hole GRS 1915+105. Astrophysical Journal, 2006, 652, 518-539.	1.6	467
156	Estimating the Spin of Stellar-Mass Black Holes by Spectral Fitting of the X-Ray Continuum. Astrophysical Journal, 2006, 636, L113-L116.	1.6	286
157	How Much Mass Do Supermassive Black Holes Eat in Their Old Age?. Astrophysical Journal, 2006, 643, 641-651.	1.6	78
158	Multitemperature Blackbody Spectrum of a Thin Accretion Disk around a Kerr Black Hole: Model Computations and Comparison with Observations. Astrophysical Journal, Supplement Series, 2005, 157, 335-370.	3.0	320
159	Theoretical Models of Superbursts on Accreting Neutron Stars. Astrophysical Journal, 2005, 629, 422-437.	1.6	36
160	Where Are All the Fallback Disks? Constraints on Propeller Systems. Astrophysical Journal, 2005, 623, L41-L44.	1.6	46
161	Inclination Effects and Beaming in Black Hole Xâ€Ray Binaries. Astrophysical Journal, 2005, 623, 1017-1025.	1.6	54
162	Neutrinoâ€dominated Accretion and Supernovae. Astrophysical Journal, 2005, 629, 341-361.	1.6	171

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163	Low-Luminosity Accretion in Black Hole X-Ray Binaries and Active Galactic Nuclei. Astrophysics and Space Science, 2005, 300, 177-188.	0.5	93
164	Bypass to Turbulence in Hydrodynamic Accretion Disks: An Eigenvalue Approach. Astrophysical Journal, 2005, 629, 383-396.	1.6	62
165	Black holes in astrophysics. New Journal of Physics, 2005, 7, 199-199.	1.2	164
166	Black Hole Accretion. Science, 2005, 307, 77-80.	6.0	46
167	An Accretionâ€Jet Model for Black Hole Binaries: Interpreting the Spectral and Timing Features of XTE J1118+480. Astrophysical Journal, 2005, 620, 905-914.	1.6	150
168	On the Nature of the Variable Infrared Emission from Sagittarius A*. Astrophysical Journal, 2004, 606, 894-899.	1.6	148
169	On the Nature of Xâ€Rayâ€“Bright, Optically Normal Galaxies. Astrophysical Journal, 2004, 612, 724-728.	1.6	109
170	On the Lack of Thermal Emission from the Quiescent Black Hole XTE J1118+480: Evidence for the Event Horizon. Astrophysical Journal, 2004, 615, 402-415.	1.6	79
171	Quasiâ€periodic Oscillations from Rayleighâ€Taylor and Kelvinâ€Helmholtz Instability at a Diskâ€Magnetosphere Interface. Astrophysical Journal, 2004, 601, 414-427.	1.6	63
172	Constraining Alternate Models of Black Holes: Type I Xâ€Ray Bursts on Accreting Fermionâ€Fermion and Bosonâ€Fermion Stars. Astrophysical Journal, 2004, 606, 1112-1124.	1.6	95
173	Origin of the Soft Excess in Xâ€Ray Pulsars. Astrophysical Journal, 2004, 614, 881-896.	1.6	139
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