

Ramesh Narayan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

292
papers

27,544
citations

85
h-index

160
g-index

308
ext. papers

32,218
ext. citations

5.9
avg, IF

7.32
L-index

#	Paper	IF	Citations
292	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022 , 925, 13	4.7	2
291	Brightness Asymmetry of Black Hole Images as a Probe of Observer Inclination. <i>Astrophysical Journal</i> , 2022 , 924, 46	4.7	2
290	Faraday depolarization and induced circular polarization by multipath propagation with application to FRBs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022 , 510, 4654-4668	4.3	7
289	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022 , 930, L14	7.9	20
288	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022 , 930, L21	7.9	9
287	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022 , 930, L17	7.9	14
286	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022 , 930, L13	7.9	16
285	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022 , 930, L15	7.9	16
284	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. <i>Astrophysical Journal Letters</i> , 2022 , 930, L12	7.9	23
283	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022 , 930, L18	7.9	7
282	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022 , 930, L19	7.9	11
281	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , 2022 , 930, L20	7.9	8
280	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. <i>Astrophysical Journal Letters</i> , 2022 , 930, L16	7.9	18
279	Accretion disks around naked singularities. <i>Classical and Quantum Gravity</i> , 2021 , 38, 035012	3.3	1
278	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021 , 910, L14	7.9	28
277	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021 , 910, L13	7.9	70
276	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021 , 911, L11	7.9	16

275	Black hole magnetic fields and their imprint on circular polarization images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 505, 523-539	4.3	7
274	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021 , 912, 35	4.7	7
273	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021 , 910, L12	7.9	58
272	Toward Determining the Number of Observable Supermassive Black Hole Shadows. <i>Astrophysical Journal</i> , 2021 , 923, 260	4.7	3
271	Universal interferometric signatures of a black hole photon ring. <i>Science Advances</i> , 2020 , 6, eaaz1310	14.3	68
270	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 897, 139	4.7	24
269	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020 , 640, A69	5.1	21
268	Monitoring the Morphology of M87* in 2009-2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 901, 67	4.7	20
267	SYMBA: An end-to-end VLBI synthetic data generation pipeline. <i>Astronomy and Astrophysics</i> , 2020 , 636, A5	5.1	7
266	Singularities in Reissner-Nordström black holes. <i>Classical and Quantum Gravity</i> , 2020 , 37, 025009	3.3	8
265	Looking for the underlying cause of black hole X-ray variability in GRMHD simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 496, 3808-3828	4.3	6
264	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020 , 125, 141104	7.4	74
263	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020 , 897, 148	4.7	18
262	Decomposing the internal Faraday rotation of black hole accretion flows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 498, 5468-5488	4.3	17
261	Density jump for parallel and perpendicular collisionless shocks. <i>Laser and Particle Beams</i> , 2020 , 38, 114-120	4.0	1
260	Density jump as a function of magnetic field for collisionless shocks in pair plasmas: The perpendicular case. <i>Physics of Plasmas</i> , 2019 , 26, 062108	2.1	3
259	Two-temperature, Magnetically Arrested Disc simulations of the jet from the supermassive black hole in M87. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 486, 2873-2895	4.3	66
258	Numerical evolution of shocks in the interior of Kerr black holes. <i>Physical Review D</i> , 2019 , 99,	4.9	6

257	Testing General Relativity with the Black Hole Shadow Size and Asymmetry of Sagittarius A*: Limitations from Interstellar Scattering. <i>Astrophysical Journal</i> , 2019 , 870, 6	4.7	16
256	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019 , 875, L3	7.9	267
255	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019 , 875, L2	7.9	325
254	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L4	7.9	411
253	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L1	7.9	1110
252	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019 , 875, L5	7.9	429
251	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L6	7.9	466
250	Electron and Proton Heating in Transrelativistic Guide Field Reconnection. <i>Astrophysical Journal</i> , 2019 , 873, 2	4.7	19
249	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 243, 26	8	96
248	The Shadow of a Spherically Accreting Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 885, L33	7.9	58
247	Viewing Angle of Binary Neutron Star Mergers. <i>Physical Review X</i> , 2019 , 9,	9.1	15
246	Fast radio burst source properties from polarization measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 483, 359-369	4.3	16
245	Shadows of spherically symmetric black holes and naked singularities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 52-64	4.3	99
244	Numerical simulations of the Cosmic Battery in accretion flows around astrophysical black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 473, 721-727	4.3	10
243	Interferometric Imaging Directly with Closure Phases and Closure Amplitudes. <i>Astrophysical Journal</i> , 2018 , 857, 23	4.7	92
242	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. <i>Astrophysical Journal</i> , 2018 , 863,	4.7	62
241	GRRMHD Simulations of Tidal Disruption Event Accretion Disks around Supermassive Black Holes: Jet Formation, Spectra, and Detectability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 ,	4.3	23
240	Density jump as a function of magnetic field strength for parallel collisionless shocks in pair plasmas. <i>Journal of Plasma Physics</i> , 2018 , 84,	2.7	9

239	The Scattering and Intrinsic Structure of Sagittarius A* at Radio Wavelengths. <i>Astrophysical Journal</i> , 2018 , 865, 104	4.7	45
238	Electron Heating in Low Mach Number Perpendicular Shocks. II. Dependence on the Pre-shock Conditions. <i>Astrophysical Journal</i> , 2018 , 858, 95	4.7	15
237	The role of electron heating physics in images and variability of the Galactic Centre black hole Sagittarius A*. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 478, 5209-5229	4.3	66
236	Kinetic inhibition of magnetohydrodynamics shocks in the vicinity of a parallel magnetic field. <i>Journal of Plasma Physics</i> , 2017 , 83,	2.7	7
235	Solvent-induced crystal formation in polymers: Experimental studies and theoretical modeling of poly(vinyl alcohol) based on free-volume concepts. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	2
234	Departure from MHD prescriptions in shock formation over a guiding magnetic field. <i>Laser and Particle Beams</i> , 2017 , 35, 513-519	0.9	1
233	Electron and Proton Heating in Transrelativistic Magnetic Reconnection. <i>Astrophysical Journal</i> , 2017 , 850, 29	4.7	65
232	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	4.3	69
231	Double Compton and Cyclo-Synchrotron in Super-Eddington Discs, Magnetized Coronae, and Jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , stx227	4.3	6
230	Spectra of black hole accretion models of ultraluminous X-ray sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 469, 2997-3014	4.3	43
229	Evolving non-thermal electrons in simulations of black hole accretion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 470, 2367-2386	4.3	32
228	Optical and X-ray luminosities of expanding nebulae around ultraluminous X-ray sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 470, 361-371	4.3	7
227	Stellar disruption events support the existence of the black hole event horizon. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 468, 910-919	4.3	14
226	Electron Heating in Low-Mach-number Perpendicular Shocks. I. Heating Mechanism. <i>Astrophysical Journal</i> , 2017 , 851, 134	4.7	21
225	Locating the intense interstellar scattering towards the inner Galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 471, 3563-3576	4.3	21
224	HIGH-RESOLUTION LINEAR POLARIMETRIC IMAGING FOR THE EVENT HORIZON TELESCOPE. <i>Astrophysical Journal</i> , 2016 , 829, 11	4.7	105
223	EXTREME BRIGHTNESS TEMPERATURES AND REFRACTIVE SUBSTRUCTURE IN 3C 273 WITH RADIOASTRON. <i>Astrophysical Journal Letters</i> , 2016 , 820, L10	7.9	28
222	Energy flows in thick accretion discs and their consequences for black hole feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 456, 3915-3928	4.3	34

221	Three-dimensional simulations of supercritical black hole accretion discs I luminosities, photon trapping and variability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 456, 3929-3947	4.3	93
220	heroic: 3D general relativistic radiative post-processor with comptonization for black hole accretion discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 457, 608-628	4.3	28
219	X-ray polarimetry with the Polarization Spectroscopic Telescope Array (PoSTAR). <i>Astroparticle Physics</i> , 2016 , 75, 8-28	2.4	32
218	Black Hole Paradoxes. <i>Journal of Physics: Conference Series</i> , 2016 , 759, 012060	0.3	1
217	The slimming effect of advection on black-hole accretion flows. <i>Astronomy and Astrophysics</i> , 2016 , 587, A13	5.1	27
216	Theory of the formation of a collisionless Weibel shock: pair vs. electron/proton plasmas. <i>Laser and Particle Beams</i> , 2016 , 34, 362-367	0.9	7
215	THE OPTICS OF REFRACTIVE SUBSTRUCTURE. <i>Astrophysical Journal</i> , 2016 , 826, 170	4.7	21
214	Levitating atmospheres of Eddington-luminosity neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 458, 3420-3428	4.3	11
213	ELECTRON HEATING BY THE ION CYCLOTRON INSTABILITY IN COLLISIONLESS ACCRETION FLOWS. I. COMPRESSION-DRIVEN INSTABILITIES AND THE ELECTRON HEATING MECHANISM. <i>Astrophysical Journal</i> , 2015 , 800, 88	4.7	59
212	THE POWER OF IMAGING: CONSTRAINING THE PLASMA PROPERTIES OF GRMHD SIMULATIONS USING EHT OBSERVATIONS OF Sgr A*. <i>Astrophysical Journal</i> , 2015 , 799, 1	4.7	105
211	NUMERICAL SIMULATION OF HOT ACCRETION FLOWS. III. REVISITING WIND PROPERTIES USING THE TRAJECTORY APPROACH. <i>Astrophysical Journal</i> , 2015 , 804, 101	4.7	139
210	Powerful radiative jets in supercritical accretion discs around non-spinning black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 453, 3214-3222	4.3	76
209	EVENT HORIZON TELESCOPE EVIDENCE FOR ALIGNMENT OF THE BLACK HOLE IN THE CENTER OF THE MILKY WAY WITH THE INNER STELLAR DISK. <i>Astrophysical Journal</i> , 2015 , 798, 15	4.7	30
208	FAST VARIABILITY AND MILLIMETER/IR FLARES IN GRMHD MODELS OF Sgr A* FROM STRONG-FIELD GRAVITATIONAL LENSING. <i>Astrophysical Journal</i> , 2015 , 812, 103	4.7	55
207	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	4.3	102
206	THE EVENT HORIZON OF M87. <i>Astrophysical Journal</i> , 2015 , 805, 179	4.7	60
205	hero IIA 3D general relativistic radiative post-processor for accretion discs around black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 451, 1661-1681	4.3	22
204	Photon-conserving Comptonization in simulations of accretion discs around black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 2372-2380	4.3	30

203	Resolved magnetic-field structure and variability near the event horizon of Sagittarius A. <i>Science</i> , 2015 , 350, 1242-5	33.3	144
202	Stable, levitating, optically thin atmospheres of Eddington-luminosity neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 3766-3770	4.3	9
201	A PARALLAX DISTANCE TO THE MICROQUASAR GRS 1915+105 AND A REVISED ESTIMATE OF ITS BLACK HOLE MASS. <i>Astrophysical Journal</i> , 2014 , 796, 2	4.7	139
200	Hot Accretion Flows Around Black Holes. <i>Annual Review of Astronomy and Astrophysics</i> , 2014 , 52, 529-588	11.7	724
199	NON-THERMAL ELECTRON ACCELERATION IN LOW MACH NUMBER COLLISIONLESS SHOCKS. II. FIREHOSE-MEDIATED FERMI ACCELERATION AND ITS DEPENDENCE ON PRE-SHOCK CONDITIONS. <i>Astrophysical Journal</i> , 2014 , 797, 47	4.7	71
198	Three-dimensional general relativistic radiation magnetohydrodynamical simulation of super-Eddington accretion, using a new code harmrad with M1 closure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 441, 3177-3208	4.3	188
197	Numerical simulations of super-critical black hole accretion flows in general relativity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 439, 503-520	4.3	175
196	Collisionless Weibel shocks: Full formation mechanism and timing. <i>Physics of Plasmas</i> , 2014 , 21, 072301	2.1	44
195	Extracting black-hole rotational energy: The generalized Penrose process. <i>Physical Review D</i> , 2014 , 89,	4.9	46
194	CONFIRMATION VIA THE CONTINUUM-FITTING METHOD THAT THE SPIN OF THE BLACK HOLE IN CYGNUS X-1 IS EXTREME. <i>Astrophysical Journal</i> , 2014 , 790, 29	4.7	105
193	GLOBULAR CLUSTERS AND DARK SATELLITE GALAXIES THROUGH THE STREAM VELOCITY. <i>Astrophysical Journal Letters</i> , 2014 , 791, L8	7.9	28
192	A HIGH-FREQUENCY DOPPLER FEATURE IN THE POWER SPECTRA OF SIMULATED GRMHD BLACK HOLE ACCRETION DISKS. <i>Astrophysical Journal</i> , 2014 , 785, 142	4.7	8
191	IMAGING AN EVENT HORIZON: MITIGATION OF SCATTERING TOWARD SAGITTARIUS A*. <i>Astrophysical Journal</i> , 2014 , 795, 134	4.7	62
190	NON-THERMAL ELECTRON ACCELERATION IN LOW MACH NUMBER COLLISIONLESS SHOCKS. I. PARTICLE ENERGY SPECTRA AND ACCELERATION MECHANISM. <i>Astrophysical Journal</i> , 2014 , 794, 153	4.7	111
189	Tidal disruption and magnetic flux capture: powering a jet from a quiescent black hole. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 445, 3919-3938	4.3	34
188	Black Hole Spin via Continuum Fitting and the Role of Spin in Powering Transient Jets. <i>Space Science Reviews</i> , 2014 , 183, 295-322	7.5	198
187	Energy Extraction from Spinning Black Holes Via Relativistic Jets 2014 , 523-535		14
186	Semi-implicit scheme for treating radiation under M1 closure in general relativistic conservative fluid dynamics codes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 429, 3533-3550	4.3	114

185	Energy, momentum and mass outflows and feedback from thick accretion discs around rotating black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 436, 3856-3874	4.3	116
184	General relativistic magnetohydrodynamic simulations of Blandford–Znajek jets and the membrane paradigm. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 436, 3741-3758	4.3	64
183	Collisionless shock formation, spontaneous electromagnetic fluctuations, and streaming instabilities. <i>Physics of Plasmas</i> , 2013 , 20, 042102	2.1	75
182	Relativistic collisionless shocks formation in pair plasmas. <i>Journal of Plasma Physics</i> , 2013 , 79, 367-370	2.7	3
181	Location of the bow shock ahead of cloud G2 at the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 433, 2165-2171	4.3	23
180	The formation of a collisionless shock. <i>Laser and Particle Beams</i> , 2013 , 31, 487-491	0.9	5
179	Black Hole Spin via Continuum Fitting and the Role of Spin in Powering Transient Jets. <i>Space Sciences Series of ISSI</i> , 2013 , 295-322	0.1	1
178	Theoretical aspects of the Fireball scenario. <i>EAS Publications Series</i> , 2013 , 61, 295-299	0.2	
177	The Shakura-Sunyaev viscosity prescription with variable $\alpha(r)$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 428, 2255-2274	4.3	58
176	GRMHD simulations of magnetized advection-dominated accretion on a non-spinning black hole: role of outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 426, 3241-3259	4.3	263
175	Observational evidence for a correlation between jet power and black hole spin. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012 , 419, L69-L73	4.3	172
174	Global Structure of Optically Thin, Magnetically Supported, Two-Temperature, Black Hole Accretion Disks. <i>Publication of the Astronomical Society of Japan</i> , 2012 , 64, 15	3.2	19
173	RADIO SYNCHROTRON EMISSION FROM A BOW SHOCK AROUND THE GAS CLOUD G2 HEADING TOWARD THE GALACTIC CENTER. <i>Astrophysical Journal Letters</i> , 2012 , 757, L20	7.9	40
172	General Relativistic Modeling of Magnetized Jets from Accreting Black Holes. <i>Journal of Physics: Conference Series</i> , 2012 , 372, 012040	0.3	58
171	Bondi flow from a slowly rotating hot atmosphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 415, 3721-3730	4.3	54
170	Efficient generation of jets from magnetically arrested accretion on a rapidly spinning black hole. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2011 , 418, L79-L83	4.3	599
169	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	4.3	225
168	THE CONSTANT INNER-DISK RADIUS OF LMC X-3: A BASIS FOR MEASURING BLACK HOLE SPIN. <i>Astrophysical Journal Letters</i> , 2010 , 718, L117-L121	7.9	153

167	BLACK HOLE SPIN AND THE RADIO LOUD/QUIET DICHOTOMY OF ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal</i> , 2010 , 711, 50-63	4.7	314
166	THE BLACK HOLE MASS DISTRIBUTION IN THE GALAXY. <i>Astrophysical Journal</i> , 2010 , 725, 1918-1927	4.7	428
165	THE SPIN OF THE BLACK HOLE IN THE SOFT X-RAY TRANSIENT A0620-00. <i>Astrophysical Journal Letters</i> , 2010 , 718, L122-L126	7.9	69
164	ANGULAR MOMENTUM TRANSPORT IN CONVECTIVELY UNSTABLE SHEAR FLOWS. <i>Astrophysical Journal</i> , 2010 , 719, 67-76	4.7	11
163	Magnetohydrodynamic simulations of gamma-ray burst jets: Beyond the progenitor star. <i>New Astronomy</i> , 2010 , 15, 749-754	1.8	113
162	A DETERMINATION OF THE SPIN OF THE BLACK HOLE PRIMARY IN LMC X-1. <i>Astrophysical Journal</i> , 2009 , 701, 1076-1090	4.7	103
161	A turbulent model of gamma-ray burst variability. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2009 , 394, L117-L120	4.3	58
160	THE EVENT HORIZON OF SAGITTARIUS A*. <i>Astrophysical Journal</i> , 2009 , 701, 1357-1366	4.7	108
159	EFFICIENCY OF MAGNETIC TO KINETIC ENERGY CONVERSION IN A MONOPOLE MAGNETOSPHERE. <i>Astrophysical Journal</i> , 2009 , 699, 1789-1808	4.7	141
158	A NEW DYNAMICAL MODEL FOR THE BLACK HOLE BINARY LMC X-1. <i>Astrophysical Journal</i> , 2009 , 697, 573-591	4.7	91
157	STABILITY OF RELATIVISTIC FORCE-FREE JETS. <i>Astrophysical Journal</i> , 2009 , 697, 1681-1694	4.7	54
156	MEASURING BLACK HOLE SPIN VIA THE X-RAY CONTINUUM-FITTING METHOD: BEYOND THE THERMAL DOMINANT STATE. <i>Astrophysical Journal</i> , 2009 , 701, L83-L86	4.7	68
155	INFERRING THE INCLINATION OF A BLACK HOLE ACCRETION DISK FROM OBSERVATIONS OF ITS POLARIZED CONTINUUM RADIATION. <i>Astrophysical Journal</i> , 2009 , 691, 847-865	4.7	66
154	High-energy afterglow emission from gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 384, 1483-1501	4.3	78
153	Simulations of ultrarelativistic magnetodynamic jets from gamma-ray burst engines. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 388, 551-572	4.3	179
152	Precise Measurement of the Spin Parameter of the Stellar-Mass Black Hole M33 X-7. <i>Astrophysical Journal</i> , 2008 , 679, L37-L40	4.7	79
151	Advection-dominated accretion and the black hole event horizon. <i>New Astronomy Reviews</i> , 2008 , 51, 733-751	7.9	318
150	Magnetic helicity and the relaxation of fossil fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007 , 383, 943-956	4.3	20

149	Estimating the Spin of Stellar-Mass Black Holes by Spectral Fitting of the X-Ray Continuum. <i>Astrophysical Journal</i> , 2006 , 636, L113-L116	4.7	250
148	On the Nature of the Compact Dark Mass at the Galactic Center. <i>Astrophysical Journal</i> , 2006 , 638, L21-L24	4.7	87
147	A Two-Zone Model for Type I X-Ray Bursts on Accreting Neutron Stars. <i>Astrophysical Journal</i> , 2006 , 652, 584-596	4.7	18
146	On the Production and Survival of Carbon Fuel for Superbursts on Accreting Neutron Stars: Implications for Mass Donor Evolution. <i>Astrophysical Journal</i> , 2006 , 642, 443-454	4.7	17
145	The Rates of Type I X-Ray Bursts from Transients Observed with RXTE: Evidence for Black Hole Event Horizons. <i>Astrophysical Journal</i> , 2006 , 646, 407-419	4.7	30
144	Thermal X-Ray Iron Line Emission from the Galactic Center Black Hole Sagittarius A*. <i>Astrophysical Journal</i> , 2006 , 640, 319-326	4.7	56
143	Fitting Formula for Flux Scintillation of Compact Radio Sources. <i>Astrophysical Journal</i> , 2006 , 636, 510-527	4.7	24
142	On the Physics of Type I X-Ray Bursts on Accreting Neutron Stars at High Accretion Rates. <i>Astrophysical Journal</i> , 2006 , 648, L123-L126	4.7	15
141	The Spin of the Near-Extreme Kerr Black Hole GRS 1915+105. <i>Astrophysical Journal</i> , 2006 , 652, 518-539	4.7	412
140	How Much Mass Do Supermassive Black Holes Eat in Their Old Age?. <i>Astrophysical Journal</i> , 2006 , 643, 641-651	4.7	74
139	Multitemperature Blackbody Spectrum of a Thin Accretion Disk around a Kerr Black Hole: Model Computations and Comparison with Observations. <i>Astrophysical Journal, Supplement Series</i> , 2005 , 157, 335-370	8	257
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