

# Ramesh Narayan

## List of Publications by Citations

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292  
papers

27,544  
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160  
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308  
ext. papers

32,218  
ext. citations

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7.32  
L-index

#	Paper	IF	Citations
292	Advection-dominated accretion: A self-similar solution. <i>Astrophysical Journal</i> , <b>1994</b> , 428, L13	4.7	1587
291	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L1	7.9	1110
290	Advection-dominated Accretion: Underfed Black Holes and Neutron Stars. <i>Astrophysical Journal</i> , <b>1995</b> , 452, 710	4.7	1090
289	Advection-Dominated Accretion and the Spectral States of Black Hole X-Ray Binaries: Application to Nova Muscae 1991. <i>Astrophysical Journal</i> , <b>1997</b> , 489, 865-889	4.7	888
288	Hot Accretion Flows Around Black Holes. <i>Annual Review of Astronomy and Astrophysics</i> , <b>2014</b> , 52, 529-588	11.7	724
287	Efficient generation of jets from magnetically arrested accretion on a rapidly spinning black hole. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2011</b> , 418, L79-L83	4.3	599
286	Advection-dominated accretion: Self-similarity and bipolar outflows. <i>Astrophysical Journal</i> , <b>1995</b> , 444, 231	4.7	599
285	Nonthermal Electrons in Radiatively Inefficient Accretion Flow Models of Sagittarius A*. <i>Astrophysical Journal</i> , <b>2003</b> , 598, 301-312	4.7	530
284	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L6	7.9	466
283	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L5	7.9	429
282	THE BLACK HOLE MASS DISTRIBUTION IN THE GALAXY. <i>Astrophysical Journal</i> , <b>2010</b> , 725, 1918-1927	4.7	428
281	The Spin of the Near-Extreme Kerr Black Hole GRS 1915+105. <i>Astrophysical Journal</i> , <b>2006</b> , 652, 518-539	4.7	412
280	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L4	7.9	411
279	Explaining the spectrum of Sagittarius A* with a model of an accreting black hole. <i>Nature</i> , <b>1995</b> , 374, 623-625	50.4	346
278	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L2	7.9	325
277	Advection-dominated Accretion Model of Sagittarius A*: Evidence for a Black Hole at the Galactic Center. <i>Astrophysical Journal</i> , <b>1998</b> , 492, 554-568	4.7	320
276	Magnetically Arrested Disk: an Energetically Efficient Accretion Flow: Fig. 1. <i>Publication of the Astronomical Society of Japan</i> , <b>2003</b> , 55, L69-L72	3.2	319

275	Advection-dominated accretion and the black hole event horizon. <i>New Astronomy Reviews</i> , <b>2008</b> , 51, 733-751	7.9	318
274	BLACK HOLE SPIN AND THE RADIO LOUD/QUIET DICHOTOMY OF ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal</i> , <b>2010</b> , 711, 50-63	4.7	314
273	Three-dimensional Magnetohydrodynamic Simulations of Radiatively Inefficient Accretion Flows. <i>Astrophysical Journal</i> , <b>2003</b> , 592, 1042-1059	4.7	306
272	Accretion Models of Gamma-Ray Bursts. <i>Astrophysical Journal</i> , <b>2001</b> , 557, 949-957	4.7	298
271	Cosmological Applications of Gravitational Lensing. <i>Annual Review of Astronomy and Astrophysics</i> , <b>1992</b> , 30, 311-358	31.7	296
270	Fermat@ principle, caustics, and the classification of gravitational lens images. <i>Astrophysical Journal</i> , <b>1986</b> , 310, 568	4.7	296
269	Maximum Entropy Image Restoration in Astronomy. <i>Annual Review of Astronomy and Astrophysics</i> , <b>1986</b> , 24, 127-170	31.7	272
268	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L3	7.9	267
267	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> , <b>2012</b> , 426, 3241-3259	4.3	263
266	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> , <b>2005</b> , 157, 335-370	8	257
265	Neutrino Trapping and Accretion Models for Gamma-Ray Bursts. <i>Astrophysical Journal</i> , <b>2002</b> , 579, 706-715	4.7	257
264	Estimating the Spin of Stellar-Mass Black Holes by Spectral Fitting of the X-Ray Continuum. <i>Astrophysical Journal</i> , <b>2006</b> , 636, L113-L116	4.7	250
263	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> , <b>2010</b> , 408, 752-782	4.3	225
262	Spectral Transitions in Cygnus X-1 and Other Black Hole X-Ray Binaries. <i>Astrophysical Journal</i> , <b>1998</b> , 505, 854-868	4.7	205
261	Global Structure and Dynamics of Advection-dominated Accretion Flows around Black Holes. <i>Astrophysical Journal</i> , <b>1997</b> , 476, 49-60	4.7	203
260	Black Hole Spin via Continuum Fitting and the Role of Spin in Powering Transient Jets. <i>Space Science Reviews</i> , <b>2014</b> , 183, 295-322	7.5	198
259	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> , <b>2014</b> , 441, 3177-3208	4.3	188
258	New Evidence for Black Hole Event Horizons from [ITAL]Chandra[/ITAL]. <i>Astrophysical Journal</i> , <b>2001</b> , 553, L47-L50	4.7	188

257	Cooling Timescales and Temporal Structure of Gamma-Ray Bursts. <i>Astrophysical Journal</i> , <b>1996</b> , 473, 204-218	4.7	181
256	Simulations of ultrarelativistic magnetodynamic jets from gamma-ray burst engines. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2008</b> , 388, 551-572	4.3	179
255	Models of Galaxy Clusters with Thermal Conduction. <i>Astrophysical Journal</i> , <b>2003</b> , 582, 162-169	4.7	177
254	Numerical simulations of super-critical black hole accretion flows in general relativity. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 439, 503-520	4.3	175
253	Observational evidence for a correlation between jet power and black hole spin. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2012</b> , 419, L69-L73	4.3	172
252	Hydrodynamics of relativistic fireballs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1993</b> , 263, 861-867	4.7	163
251	Advection-dominated Accretion Model of the Black Hole V404 Cygni in Quiescence. <i>Astrophysical Journal</i> , <b>1997</b> , 482, 448-464	4.7	162
250	Is the Accretion Flow in NGC 4258 Advection Dominated?. <i>Astrophysical Journal</i> , <b>1996</b> , 462, 142	4.7	157
249	THE CONSTANT INNER-DISK RADIUS OF LMC X-3: A BASIS FOR MEASURING BLACK HOLE SPIN. <i>Astrophysical Journal Letters</i> , <b>2010</b> , 718, L117-L121	7.9	153
248	Neutrino-dominated Accretion and Supernovae. <i>Astrophysical Journal</i> , <b>2005</b> , 629, 341-361	4.7	151
247	Resolved magnetic-field structure and variability near the event horizon of Sagittarius A. <i>Science</i> , <b>2015</b> , 350, 1242-5	33.3	144
246	On the Nature of the Variable Infrared Emission from Sagittarius A*. <i>Astrophysical Journal</i> , <b>2004</b> , 606, 894-899	4.7	144
245	An Accretion-Jet Model for Black Hole Binaries: Interpreting the Spectral and Timing Features of XTE J1118+480. <i>Astrophysical Journal</i> , <b>2005</b> , 620, 905-914	4.7	143
244	EFFICIENCY OF MAGNETIC TO KINETIC ENERGY CONVERSION IN A MONOPOLE MAGNETOSPHERE. <i>Astrophysical Journal</i> , <b>2009</b> , 699, 1789-1808	4.7	141
243	Pulsar populations and their evolution. <i>Astrophysical Journal</i> , <b>1990</b> , 352, 222	4.7	141
242	NUMERICAL SIMULATION OF HOT ACCRETION FLOWS. III. REVISITING WIND PROPERTIES USING THE TRAJECTORY APPROACH. <i>Astrophysical Journal</i> , <b>2015</b> , 804, 101	4.7	139
241	A PARALLAX DISTANCE TO THE MICROQUASAR GRS 1915+105 AND A REVISED ESTIMATE OF ITS BLACK HOLE MASS. <i>Astrophysical Journal</i> , <b>2014</b> , 796, 2	4.7	139
240	Black holes in astrophysics. <i>New Journal of Physics</i> , <b>2005</b> , 7, 199-199	2.9	134

239	Physics of modes in a differentially rotating system - analysis of the shearing sheet. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1987</b> , 228, 1-41	4.3	133
238	Low-radiative-efficiency accretion in the nuclei of elliptical galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2000</b> , 311, 507-521	4.3	129
237	The Coalescence Rate of Double Neutron Star Systems. <i>Astrophysical Journal</i> , <b>2001</b> , 556, 340-356	4.7	128
236	Origin of the Soft Excess in X-Ray Pulsars. <i>Astrophysical Journal</i> , <b>2004</b> , 614, 881-896	4.7	123
235	Hybrid Thermal-Nonthermal Synchrotron Emission from Hot Accretion Flows. <i>Astrophysical Journal</i> , <b>2000</b> , 541, 234-249	4.7	120
234	Energy, momentum and mass outflows and feedback from thick accretion discs around rotating black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 436, 3856-3874	4.3	116
233	The stability of accretion tori - I. Long-wavelength modes of slender tori. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1986</b> , 221, 339-364	4.3	115
232	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> , <b>2013</b> , 429, 3533-3550	4.3	114
231	Magnetohydrodynamic simulations of gamma-ray burst jets: Beyond the progenitor star. <i>New Astronomy</i> , <b>2010</b> , 15, 749-754	1.8	113
230	NON-THERMAL ELECTRON ACCELERATION IN LOW MACH NUMBER COLLISIONLESS SHOCKS. I. PARTICLE ENERGY SPECTRA AND ACCELERATION MECHANISM. <i>Astrophysical Journal</i> , <b>2014</b> , 794, 153	4.7	111
229	THE EVENT HORIZON OF SAGITTARIUS A*. <i>Astrophysical Journal</i> , <b>2009</b> , 701, 1357-1366	4.7	108
228	THE POWER OF IMAGING: CONSTRAINING THE PLASMA PROPERTIES OF GRMHD SIMULATIONS USING EHT OBSERVATIONS OF Sgr A*. <i>Astrophysical Journal</i> , <b>2015</b> , 799, 1	4.7	105
227	HIGH-RESOLUTION LINEAR POLARIMETRIC IMAGING FOR THE EVENT HORIZON TELESCOPE. <i>Astrophysical Journal</i> , <b>2016</b> , 829, 11	4.7	105
226	CONFIRMATION VIA THE CONTINUUM-FITTING METHOD THAT THE SPIN OF THE BLACK HOLE IN CYGNUS X-1 IS EXTREME. <i>Astrophysical Journal</i> , <b>2014</b> , 790, 29	4.7	105
225	A DETERMINATION OF THE SPIN OF THE BLACK HOLE PRIMARY IN LMC X-1. <i>Astrophysical Journal</i> , <b>2009</b> , 701, 1076-1090	4.7	103
224	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> , <b>2015</b> , 447, 49-71	4.3	102
223	Hard X-rays from accretion disk boundary layers. <i>Nature</i> , <b>1993</b> , 362, 820-822	50.4	102
222	On the Nature of X-RayBright, Optically Normal Galaxies. <i>Astrophysical Journal</i> , <b>2004</b> , 612, 724-728	4.7	100

221	Refractive effects in pulsar scintillation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1986</b> , 220, 19-49	4.3	99
220	Shadows of spherically symmetric black holes and naked singularities. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 52-64	4.3	99
219	Birthrates of low-mass binary pulsars and low-mass X-ray binaries. <i>Astrophysical Journal</i> , <b>1988</b> , 335, 755	4.7	98
218	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 243, 26	8	96
217	Three-dimensional simulations of supercritical black hole accretion discs – luminosities, photon trapping and variability. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 456, 3929-3947	4.3	93
216	Interferometric Imaging Directly with Closure Phases and Closure Amplitudes. <i>Astrophysical Journal</i> , <b>2018</b> , 857, 23	4.7	92
215	A NEW DYNAMICAL MODEL FOR THE BLACK HOLE BINARY LMC X-1. <i>Astrophysical Journal</i> , <b>2009</b> , 697, 573-591	4.7	91
214	Harmony in Electrons: Cyclotron and Synchrotron Emission by Thermal Electrons in a Magnetic Field. <i>Astrophysical Journal</i> , <b>1996</b> , 465, 327	4.7	90
213	The Central X-Ray Point Source in Cassiopeia A. <i>Astrophysical Journal</i> , <b>2001</b> , 548, 800-810	4.7	89
212	Multiwavelength Spectrum of the Black Hole XTE J1118+480 in Quiescence. <i>Astrophysical Journal</i> , <b>2003</b> , 593, 435-451	4.7	88
211	Low-Luminosity Accretion in Black Hole X-Ray Binaries and Active Galactic Nuclei. <i>Astrophysics and Space Science</i> , <b>2005</b> , 300, 177-188	1.6	88
210	Advection-dominated Flows around Black Holes and the X-Ray Delay in the Outburst of GRO J1655-40. <i>Astrophysical Journal</i> , <b>1997</b> , 489, 234-243	4.7	88
209	On the Nature of the Compact Dark Mass at the Galactic Center. <i>Astrophysical Journal</i> , <b>2006</b> , 638, L21-L24	4.7	87
208	A new look at pulsar statistics – Birthrate and evidence for injection. <i>Journal of Astrophysics and Astronomy</i> , <b>1981</b> , 2, 315-337	1.4	86
207	Low-frequency variability of pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1985</b> , 213, 591-613	4.3	83
206	Precise Measurement of the Spin Parameter of the Stellar-Mass Black Hole M33 X-7. <i>Astrophysical Journal</i> , <b>2008</b> , 679, L37-L40	4.7	79
205	High-energy afterglow emission from gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2008</b> , 384, 1483-1501	4.3	78
204	Constraining Alternate Models of Black Holes: Type I X-Ray Bursts on Accreting Fermion-Fermion and Boson-Fermion Stars. <i>Astrophysical Journal</i> , <b>2004</b> , 606, 1112-1124	4.7	78

203	On the Lack of Thermal Emission from the Quiescent Black Hole XTE J1118+480: Evidence for the Event Horizon. <i>Astrophysical Journal</i> , <b>2004</b> , 615, 402-415	4.7	77
202	Gravitational lensing in a cold dark matter universe. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1988</b> , 231, 97P-103P	4.3	77
201	Powerful radiative jets in supercritical accretion discs around non-spinning black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 453, 3214-3222	4.3	76
200	Collisionless shock formation, spontaneous electromagnetic fluctuations, and streaming instabilities. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 042102	2.1	75
199	Gravitational lensing and quasar-galaxy correlations. <i>Astrophysical Journal</i> , <b>1989</b> , 339, L53	4.7	75
198	How Much Mass Do Supermassive Black Holes Eat in Their Old Age?. <i>Astrophysical Journal</i> , <b>2006</b> , 643, 641-651	4.7	74
197	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , <b>2020</b> , 125, 141104	7.4	74
196	Three-dimensional Magnetohydrodynamic Simulations of Spherical Accretion. <i>Astrophysical Journal</i> , <b>2002</b> , 566, 137-147	4.7	73
195	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> , <b>2014</b> , 797, 47	4.7	71
194	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L13	7.9	70
193	Radiative, two-temperature simulations of low-luminosity black hole accretion flows in general relativity. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 466, 705-725	4.3	69
192	THE SPIN OF THE BLACK HOLE IN THE SOFT X-RAY TRANSIENT A0620-00. <i>Astrophysical Journal Letters</i> , <b>2010</b> , 718, L122-L126	7.9	69
191	The Giant X-Ray Flare of NGC 5905: Tidal Disruption of a Star, a Brown Dwarf, or a Planet?. <i>Astrophysical Journal</i> , <b>2002</b> , 576, 753-761	4.7	69
190	Universal interferometric signatures of a black hole@ photon ring. <i>Science Advances</i> , <b>2020</b> , 6, eaaz1310	14.3	68
189	MEASURING BLACK HOLE SPIN VIA THE X-RAY CONTINUUM-FITTING METHOD: BEYOND THE THERMAL DOMINANT STATE. <i>Astrophysical Journal</i> , <b>2009</b> , 701, L83-L86	4.7	68
188	The Magnetohydrodynamics of Convection-dominated Accretion Flows. <i>Astrophysical Journal</i> , <b>2002</b> , 577, 295-301	4.7	68
187	Gamma-Ray Emission from Advection-dominated Accretion Flows around Black Holes: Application to the Galactic Center. <i>Astrophysical Journal</i> , <b>1997</b> , 486, 268-275	4.7	67
186	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> , <b>2019</b> , 486, 2873-2895	4.3	66



185	INFERRING THE INCLINATION OF A BLACK HOLE ACCRETION DISK FROM OBSERVATIONS OF ITS POLARIZED CONTINUUM RADIATION. <i>Astrophysical Journal</i> , <b>2009</b> , 691, 847-865	4-7	66
184	Bondi Accretion and the Problem of the Missing Isolated Neutron Stars. <i>Astrophysical Journal</i> , <b>2003</b> , 594, 936-942	4-7	66
183	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> , <b>2018</b> , 478, 5209-5229	4-3	66
182	Electron and Proton Heating in Transrelativistic Magnetic Reconnection. <i>Astrophysical Journal</i> , <b>2017</b> , 850, 29	4-7	65
181	Thermonuclear Stability of Material Accreting onto a Neutron Star. <i>Astrophysical Journal</i> , <b>2003</b> , 599, 419-449	4-7	65
180	General relativistic magnetohydrodynamic simulations of Blandford-Znajek jets and the membrane paradigm. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 436, 3741-3758	4-3	64
179	Thermal Instability in Clusters of Galaxies with Conduction. <i>Astrophysical Journal</i> , <b>2003</b> , 596, 889-902	4-7	64
178	The shape of a scatter-broadened image - I. Numerical simulations and physical principles. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1989</b> , 238, 963-994	4-3	64
177	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> , <b>2018</b> , 863,	4-7	62
176	IMAGING AN EVENT HORIZON: MITIGATION OF SCATTERING TOWARD SAGITTARIUS A*. <i>Astrophysical Journal</i> , <b>2014</b> , 795, 134	4-7	62
175	The shape of a scatter-broadened image - II. Interferometric visibilities. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1989</b> , 238, 995-1028	4-3	62
174	Slow pulsar scintillation and the spectrum of interstellar electron density fluctuations <sup>1</sup> . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1985</b> , 214, 519-537	4-3	62
173	Quasi-periodic Oscillations from Rayleigh-Taylor and Kelvin-Helmholtz Instability at a Disk-Magnetosphere Interface. <i>Astrophysical Journal</i> , <b>2004</b> , 601, 414-427	4-7	61
172	THE EVENT HORIZON OF M87. <i>Astrophysical Journal</i> , <b>2015</b> , 805, 179	4-7	60
171	Bypass to Turbulence in Hydrodynamic Accretion Disks: An Eigenvalue Approach. <i>Astrophysical Journal</i> , <b>2005</b> , 629, 383-396	4-7	60
170	ELECTRON HEATING BY THE ION CYCLOTRON INSTABILITY IN COLLISIONLESS ACCRETION FLOWS. I. COMPRESSION-DRIVEN INSTABILITIES AND THE ELECTRON HEATING MECHANISM. <i>Astrophysical Journal</i> , <b>2015</b> , 800, 88	4-7	59
169	The Shadow of a Spherically Accreting Black Hole. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 885, L33	7-9	58
168	The Shakura-Sunyaev viscosity prescription with variable $\alpha(r)$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 428, 2255-2274	4-3	58



167	A turbulent model of gamma-ray burst variability. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2009</b> , 394, L117-L120	4.3	58
166	General Relativistic Modeling of Magnetized Jets from Accreting Black Holes. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 372, 012040	0.3	58
165	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L12	7.9	58
164	Turbulent Mixing in Clusters of Galaxies. <i>Astrophysical Journal</i> , <b>2003</b> , 596, L139-L142	4.7	57
163	Thermal X-Ray Iron Line Emission from the Galactic Center Black Hole Sagittarius A*. <i>Astrophysical Journal</i> , <b>2006</b> , 640, 319-326	4.7	56
162	Arrival-time analysis for a millisecond pulsar. <i>Journal of Astrophysics and Astronomy</i> , <b>1984</b> , 5, 369-388	1.4	56
161	FAST VARIABILITY AND MILLIMETER/IR FLARES IN GRMHD MODELS OF Sgr A* FROM STRONG-FIELD GRAVITATIONAL LENSING. <i>Astrophysical Journal</i> , <b>2015</b> , 812, 103	4.7	55
160	Spectral Models of Convection-dominated Accretion Flows. <i>Astrophysical Journal</i> , <b>2001</b> , 552, 221-226	4.7	55
159	Bondi flow from a slowly rotating hot atmosphere. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 415, 3721-3730	4.3	54
158	STABILITY OF RELATIVISTIC FORCE-FREE JETS. <i>Astrophysical Journal</i> , <b>2009</b> , 697, 1681-1694	4.7	54
157	The stability of accretion tori III. Non-linear evolution to discrete planets. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1987</b> , 225, 695-711	4.3	53
156	A theory of nonlocal mixing-length convection. I - The moment formalism. <i>Astrophysical Journal</i> , <b>1993</b> , 407, 284	4.7	53
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