

Ramesh Narayan

List of Publications by Year in descending order

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305
papers

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times ranked

9864
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#	ARTICLE	IF	CITATIONS
1	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1.	3.0	2,264
2	Advection-dominated accretion: A self-similar solution. <i>Astrophysical Journal</i> , 1994, 428, L13.	1.6	1,771
3	Advection-dominated Accretion: Underfed Black Holes and Neutron Stars. <i>Astrophysical Journal</i> , 1995, 452, 710.	1.6	1,261
4	Advection-dominated Accretion and the Spectral States of Black Hole X-ray Binaries: Application to Nova Muscae 1991. <i>Astrophysical Journal</i> , 1997, 489, 865-889.	1.6	1,004
5	Hot Accretion Flows Around Black Holes. <i>Annual Review of Astronomy and Astrophysics</i> , 2014, 52, 529-588.	8.1	972
6	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6.	3.0	897
7	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5.	3.0	814
8	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4.	3.0	806
9	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.	1.2	771
10	Advection-dominated accretion: Self-similarity and bipolar outflows. <i>Astrophysical Journal</i> , 1995, 444, 231.	1.6	652
11	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2.	3.0	618
12	Nonthermal Electrons in Radiatively Inefficient Accretion Flow Models of Sagittarius A*. <i>Astrophysical Journal</i> , 2003, 598, 301-312.	1.6	576
13	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.	3.0	568
14	THE BLACK HOLE MASS DISTRIBUTION IN THE GALAXY. <i>Astrophysical Journal</i> , 2010, 725, 1918-1927.	1.6	536
15	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3.	3.0	519
16	The Spin of the Near-Extreme Kerr Black Hole GRS 1915+105. <i>Astrophysical Journal</i> , 2006, 652, 518-539.	1.6	467
17	Magnetically Arrested Disk: an Energetically Efficient Accretion Flow. <i>Publication of the Astronomical Society of Japan</i> , 2003, 55, L69-L72.	1.0	436
18	BLACK HOLE SPIN AND THE RADIO LOUD/QUIET DICHOTOMY OF ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal</i> , 2010, 711, 50-63.	1.6	396

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19	Explaining the spectrum of Sagittarius A* with a model of an accreting black hole. <i>Nature</i> , 1995, 374, 623-625.	13.7	385
20	Three-dimensional Magnetohydrodynamic Simulations of Radiatively Inefficient Accretion Flows. <i>Astrophysical Journal</i> , 2003, 592, 1042-1059.	1.6	371
21	Advection-dominated accretion and the black hole event horizon. <i>New Astronomy Reviews</i> , 2008, 51, 733-751.	5.2	359
22	Cosmological Applications of Gravitational Lensing. <i>Annual Review of Astronomy and Astrophysics</i> , 1992, 30, 311-358.	8.1	343
23	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.	1.6	343
24	Advection-dominated Accretion Model of Sagittarius A*: Evidence for a Black Hole at the Galactic Center. <i>Astrophysical Journal</i> , 1998, 492, 554-568.	1.6	341
25	Fermat's principle, caustics, and the classification of gravitational lens images. <i>Astrophysical Journal</i> , 1986, 310, 568.	1.6	331
26	Accretion Models of Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2001, 557, 949-957.	1.6	330
27	Maximum Entropy Image Restoration in Astronomy. <i>Annual Review of Astronomy and Astrophysics</i> , 1986, 24, 127-170.	8.1	327
28	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.	3.0	320
29	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021, 910, L13.	3.0	297
30	Estimating the Spin of Stellar-Mass Black Holes by Spectral Fitting of the X-Ray Continuum. <i>Astrophysical Journal</i> , 2006, 636, L113-L116.	1.6	286
31	Neutrino Trapping and Accretion Models for Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2002, 579, 706-715.	1.6	282
32	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.	1.6	242
33	Black Hole Spin via Continuum Fitting and the Role of Spin in Powering Transient Jets. <i>Space Science Reviews</i> , 2014, 183, 295-322.	3.7	234
34	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.	1.6	228
35	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.	1.6	228
36	Global Structure and Dynamics of Advection-dominated Accretion Flows around Black Holes. <i>Astrophysical Journal</i> , 1997, 476, 49-60.	1.6	225

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37	Spectral Transitions in Cygnus X-1 and Other Black Hole X-Ray Binaries. <i>Astrophysical Journal</i> , 1998, 505, 854-868.	1.6	218
38	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12.	3.0	215
39	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022, 930, L17.	3.0	215
40	Simulations of ultrarelativistic magnetodynamic jets from gamma-ray burst engines. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 551-572.	1.6	210
41	New Evidence for Black Hole Event Horizons from [ITAL]Chandra[/ITAL]. <i>Astrophysical Journal</i> , 2001, 553, L47-L50.	1.6	199
42	Hydrodynamics of relativistic fireballs. <i>Monthly Notices of the Royal Astronomical Society</i> , 1993, 263, 861-867.	1.6	195
43	Cooling Timescales and Temporal Structure of Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 1996, 473, 204-218.	1.6	195
44	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.	1.2	192
45	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020, 125, 141104.	2.9	190
46	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.	3.0	187
47	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.	3.0	187
48	Models of Galaxy Clusters with Thermal Conduction. <i>Astrophysical Journal</i> , 2003, 582, 162-169.	1.6	186
49	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.	1.6	183
50	NUMERICAL SIMULATION OF HOT ACCRETION FLOWS. III. REVISITING WIND PROPERTIES USING THE TRAJECTORY APPROACH. <i>Astrophysical Journal</i> , 2015, 804, 101.	1.6	179
51	Resolved magnetic-field structure and variability near the event horizon of Sagittarius A*. <i>Science</i> , 2015, 350, 1242-1245.	6.0	176
52	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26.	3.0	175
53	Neutrino-dominated Accretion and Supernovae. <i>Astrophysical Journal</i> , 2005, 629, 341-361.	1.6	171
54	Advection-dominated Accretion Model of the Black Hole V404 Cygni in Quiescence. <i>Astrophysical Journal</i> , 1997, 482, 448-464.	1.6	169

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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	Black holes in astrophysics. New Journal of Physics, 2005, 7, 199-199.	1.2	164
57	EFFICIENCY OF MAGNETIC TO KINETIC ENERGY CONVERSION IN A MONOPOLE MAGNETOSPHERE. Astrophysical Journal, 2009, 699, 1789-1808.	1.6	163
58	Is the Accretion Flow in NGC 4258 Advection Dominated?. Astrophysical Journal, 1996, 462, 142.	1.6	163
59	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
60	Universal interferometric signatures of a black hole's photon ring. Science Advances, 2020, 6, eaaz1310.	4.7	161
61	HIGH-RESOLUTION LINEAR POLARIMETRIC IMAGING FOR THE EVENT HORIZON TELESCOPE. Astrophysical Journal, 2016, 829, 11.	1.6	159
62	Interferometric Imaging Directly with Closure Phases and Closure Amplitudes. Astrophysical Journal, 2018, 857, 23.	1.6	159
63	Pulsar populations and their evolution. Astrophysical Journal, 1990, 352, 222.	1.6	152
64	An Accretion-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
65	On the Nature of the Variable Infrared Emission from Sagittarius A*. Astrophysical Journal, 2004, 606, 894-899.	1.6	148
66	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
67	The Coalescence Rate of Double Neutron Star Systems. Astrophysical Journal, 2001, 556, 340-356.	1.6	143
68	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
69	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
70	Hybrid Thermal-Nonthermal Synchrotron Emission from Hot Accretion Flows. Astrophysical Journal, 2000, 541, 234-249.	1.6	139
71	Origin of the Soft Excess in X-Ray Pulsars. Astrophysical Journal, 2004, 614, 881-896.	1.6	139
72	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

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73	Physics of modes in a differentially rotating system - analysis of the shearing sheet. Monthly Notices of the Royal Astronomical Society, 1987, 228, 1-41.	1.6	137
74	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
75	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. Astrophysical Journal Letters, 2022, 930, L15.	3.0	137
76	Low-radiative-efficiency accretion in the nuclei of elliptical galaxies. Monthly Notices of the Royal Astronomical Society, 2000, 311, 507-521.	1.6	134
77	Three-dimensional simulations of supercritical black hole accretion discs – luminosities, photon trapping and variability. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3929-3947.	1.6	132
78	The Shadow of a Spherically Accreting Black Hole. Astrophysical Journal Letters, 2019, 885, L33.	3.0	131
79	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
80	THE EVENT HORIZON OF SAGITTARIUS A*. Astrophysical Journal, 2009, 701, 1357-1366.	1.6	124
81	Magnetohydrodynamic simulations of gamma-ray burst jets: Beyond the progenitor star. New Astronomy, 2010, 15, 749-754.	0.8	124
82	A DETERMINATION OF THE SPIN OF THE BLACK HOLE PRIMARY IN LMC X-1. Astrophysical Journal, 2009, 701, 1076-1090.	1.6	123
83	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
84	The stability of accretion tori - I. Long-wavelength modes of slender tori. Monthly Notices of the Royal Astronomical Society, 1986, 221, 339-364.	1.6	121
85	A NEW DYNAMICAL MODEL FOR THE BLACK HOLE BINARY LMC X-1. Astrophysical Journal, 2009, 697, 573-591.	1.6	112
86	Birthrates of low-mass binary pulsars and low-mass X-ray binaries. Astrophysical Journal, 1988, 335, 755.	1.6	112
87	Refractive effects in pulsar scintillation. Monthly Notices of the Royal Astronomical Society, 1986, 220, 19-49.	1.6	111
88	On the Nature of X-ray-Bright, Optically Normal Galaxies. Astrophysical Journal, 2004, 612, 724-728.	1.6	109
89	Hard X-rays from accretion disk boundary layers. Nature, 1993, 362, 820-822.	13.7	108
90	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

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91	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.	1.6	105
92	Harmony in Electrons: Cyclotron and Synchrotron Emission by Thermal Electrons in a Magnetic Field. <i>Astrophysical Journal</i> , 1996, 465, 327.	1.6	102
93	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.	1.6	100
94	Constraining Alternate Models of Black Holes: Type I X-Ray Bursts on Accreting Fermion-Fermion and Boson-Fermion Stars. <i>Astrophysical Journal</i> , 2004, 606, 1112-1124.	1.6	95
95	On the Nature of the Compact Dark Mass at the Galactic Center. <i>Astrophysical Journal</i> , 2006, 638, L21-L24.	1.6	95
96	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.	1.6	94
97	Low-Luminosity Accretion in Black Hole X-Ray Binaries and Active Galactic Nuclei. <i>Astrophysics and Space Science</i> , 2005, 300, 177-188.	0.5	93
98	Precise Measurement of the Spin Parameter of the Stellar-Mass Black Hole M33 X-7. <i>Astrophysical Journal</i> , 2008, 679, L37-L40.	1.6	92
99	Advection-dominated Flows around Black Holes and the X-Ray Delay in the Outburst of GRO J1655-40. <i>Astrophysical Journal</i> , 1997, 489, 234-243.	1.6	92
100	Multiwavelength Spectrum of the Black Hole XTE J1118+480 in Quiescence. <i>Astrophysical Journal</i> , 2003, 593, 435-451.	1.6	91
101	A new look at pulsar statistics - Birthrate and evidence for injection. <i>Journal of Astrophysics and Astronomy</i> , 1981, 2, 315-337.	0.4	90
102	The Central X-Ray Point Source in Cassiopeia A. <i>Astrophysical Journal</i> , 2001, 548, 800-810.	1.6	90
103	High-energy afterglow emission from gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 384, 1483-1501.	1.6	90
104	Electron and Proton Heating in Transrelativistic Magnetic Reconnection. <i>Astrophysical Journal</i> , 2017, 850, 29.	1.6	89
105	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.	1.6	88
106	Low-frequency variability of pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 1985, 213, 591-611.	1.6	87
107	INFERRING THE INCLINATION OF A BLACK HOLE ACCRETION DISK FROM OBSERVATIONS OF ITS POLARIZED CONTINUUM RADIATION. <i>Astrophysical Journal</i> , 2009, 691, 847-865.	1.6	84
108	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.	1.6	84

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109	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, 15.	1.6	83
110	Gravitational lensing in a cold dark matter universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 1988, 231, 97P-103P.	1.6	80
111	Collisionless shock formation, spontaneous electromagnetic fluctuations, and streaming instabilities. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	80
112	On the Lack of Thermal Emission from the Quiescent Black Hole XTE J1118+480: Evidence for the Event Horizon. <i>Astrophysical Journal</i> , 2004, 615, 402-415.	1.6	79
113	General Relativistic Modeling of Magnetized Jets from Accreting Black Holes. <i>Journal of Physics: Conference Series</i> , 2012, 372, 012040.	0.3	79
114	Gravitational lensing and quasar-galaxy correlations. <i>Astrophysical Journal</i> , 1989, 339, L53.	1.6	79
115	Three-dimensional Magnetohydrodynamic Simulations of Spherical Accretion. <i>Astrophysical Journal</i> , 2002, 566, 137-147.	1.6	78
116	How Much Mass Do Supermassive Black Holes Eat in Their Old Age?. <i>Astrophysical Journal</i> , 2006, 643, 641-651.	1.6	78
117	THE SPIN OF THE BLACK HOLE IN THE SOFT X-RAY TRANSIENT A0620-00. <i>Astrophysical Journal Letters</i> , 2010, 718, L122-L126.	3.0	77
118	THE EVENT HORIZON OF M87. <i>Astrophysical Journal</i> , 2015, 805, 179.	1.6	77
119	The Giant X-ray Flare of NGC 5905: Tidal Disruption of a Star, a Brown Dwarf, or a Planet?. <i>Astrophysical Journal</i> , 2002, 576, 753-761.	1.6	75
120	MEASURING BLACK HOLE SPIN VIA THE X-RAY CONTINUUM-FITTING METHOD: BEYOND THE THERMAL DOMINANT STATE. <i>Astrophysical Journal</i> , 2009, 701, L83-L86.	1.6	74
121	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.	1.6	74
122	Slow pulsar scintillation and the spectrum of interstellar electron density fluctuations ¹ . <i>Monthly Notices of the Royal Astronomical Society</i> , 1985, 214, 519-537.	1.6	71
123	The Magnetohydrodynamics of Convection-dominated Accretion Flows. <i>Astrophysical Journal</i> , 2002, 577, 295-301.	1.6	71
124	A turbulent model of gamma-ray burst variability. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2009, 394, L117-L120.	1.2	71
125	The shape of a scatter-broadened image - I. Numerical simulations and physical principles. <i>Monthly Notices of the Royal Astronomical Society</i> , 1989, 238, 963-994.	1.6	70
126	Gamma-ray Emission from Advection-dominated Accretion Flows around Black Holes: Application to the Galactic Center. <i>Astrophysical Journal</i> , 1997, 486, 268-275.	1.6	70

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127	Thermonuclear Stability of Material Accreting onto a Neutron Star. <i>Astrophysical Journal</i> , 2003, 599, 419-449.	1.6	69
128	Bondi Accretion and the Problem of the Missing Isolated Neutron Stars. <i>Astrophysical Journal</i> , 2003, 594, 936-942.	1.6	68
129	Thermal Instability in Clusters of Galaxies with Conduction. <i>Astrophysical Journal</i> , 2003, 596, 889-902.	1.6	68
130	The Shakura-Sunyaev viscosity prescription with variable $\hat{\nu}$ (r). <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 2255-2274.	1.6	67
131	IMAGING AN EVENT HORIZON: MITIGATION OF SCATTERING TOWARD SAGITTARIUS A*. <i>Astrophysical Journal</i> , 2014, 795, 134.	1.6	67
132	The Scattering and Intrinsic Structure of Sagittarius A* at Radio Wavelengths. <i>Astrophysical Journal</i> , 2018, 865, 104.	1.6	67
133	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14.	3.0	67
134	Arrival-time analysis for a millisecond pulsar. <i>Journal of Astrophysics and Astronomy</i> , 1984, 5, 369-388.	0.4	65
135	FAST VARIABILITY AND MILLIMETER/IR FLARES IN GRMHD MODELS OF Sgr A* FROM STRONG-FIELD GRAVITATIONAL LENSING. <i>Astrophysical Journal</i> , 2015, 812, 103.	1.6	65
136	Spectra of black hole accretion models of ultraluminous X-ray sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 2997-3014.	1.6	65
137	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> , 2021, 5, 1017-1028.	4.2	65
138	The shape of a scatter-broadened image - II. Interferometric visibilities. <i>Monthly Notices of the Royal Astronomical Society</i> , 1989, 238, 995-1028.	1.6	64
139	Quasi-periodic Oscillations from Rayleigh-Taylor and Kelvin-Helmholtz Instability at a Disk-Magnetosphere Interface. <i>Astrophysical Journal</i> , 2004, 601, 414-427.	1.6	63
140	Bypass to Turbulence in Hydrodynamic Accretion Disks: An Eigenvalue Approach. <i>Astrophysical Journal</i> , 2005, 629, 383-396.	1.6	62
141	STABILITY OF RELATIVISTIC FORCE-FREE JETS. <i>Astrophysical Journal</i> , 2009, 697, 1681-1694.	1.6	62
142	Turbulent Mixing in Clusters of Galaxies. <i>Astrophysical Journal</i> , 2003, 596, L139-L142.	1.6	60
143	Thermal X-ray Iron Line Emission from the Galactic Center Black Hole Sagittarius A*. <i>Astrophysical Journal</i> , 2006, 640, 319-326.	1.6	60
144	Bondi flow from a slowly rotating hot atmosphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 3721-3730.	1.6	59

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145	Extracting black-hole rotational energy: The generalized Penrose process. <i>Physical Review D</i> , 2014, 89, .	1.6	59
146	Jets in magnetically arrested hot accretion flows: geometry, power, and black hole spin-down. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3795-3813.	1.6	58
147	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11.	3.0	56
148	The stability of accretion tori â€” II. Non-linear evolution to discrete planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 1987, 225, 695-711.	1.6	55
149	Spectral Models of Convectionâ€”dominated Accretion Flows. <i>Astrophysical Journal</i> , 2001, 552, 221-226.	1.6	55
150	Nonaxisymmetricgâ€”Mode andpâ€”Mode Instability in a Hydrodynamic Thin Accretion Disk. <i>Astrophysical Journal</i> , 2003, 593, 980-991.	1.6	54
151	Inclination Effects and Beaming in Black Hole Xâ€”Ray Binaries. <i>Astrophysical Journal</i> , 2005, 623, 1017-1025.	1.6	54
152	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020, 640, A69.	2.1	54
153	A new approach to repulsion in ionic crystals. <i>Journal of Physics and Chemistry of Solids</i> , 1976, 37, 395-402.	1.9	53
154	Estimation of van der Waals dipole-quadrupole interactions. <i>Journal of Physics and Chemistry of Solids</i> , 1977, 38, 1097-1100.	1.9	53
155	On the Radial Structure of Radiatively Inefficient Accretion Flows with Convection. <i>Astrophysical Journal</i> , 2002, 565, 1101-1106.	1.6	53
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