

# M Coleman Miller

## List of Publications by Year in descending order

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170  
papers

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22132

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docs citations

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times ranked

6043  
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#	ARTICLE	IF	CITATIONS
1	PSR J0030+0451 Mass and Radius from NICER Data and Implications for the Properties of Neutron Star Matter. <i>Astrophysical Journal Letters</i> , 2019, 887, L24.	3.0	978
2	The Radius of PSR J0740+6620 from NICER and XMM-Newton Data. <i>Astrophysical Journal Letters</i> , 2021, 918, L28.	3.0	556
3	Sonicâ€Point Model of Kilohertz Quasiâ€periodic Brightness Oscillations in Lowâ€Mass Xâ€Ray Binaries. <i>Astrophysical Journal</i> , 1998, 508, 791-830.	1.6	390
4	Production of intermediate-mass black holes in globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 330, 232-240.	1.6	382
5	Intermediate and extreme mass-ratio inspiralsâ€astrophysics, science applications and detection using LISA. <i>Classical and Quantum Gravity</i> , 2007, 24, R113-R169.	1.5	382
6	INTERMEDIATE-MASS BLACK HOLES. <i>International Journal of Modern Physics D</i> , 2004, 13, 1-64.	0.9	354
7	Constraints on the high-density nuclear equation of state from the phenomenology of compact stars and heavy-ion collisions. <i>Physical Review C</i> , 2006, 74, .	1.1	329
8	Evolutionary roads leading to low effective spins, high black hole masses, and O1/O2 rates for LIGO/Virgo binary black holes. <i>Astronomy and Astrophysics</i> , 2020, 636, A104.	2.1	256
9	X-Ray Spectroscopic Evidence for Intermediate-Mass Black Holes: Cool Accretion Disks in Two Ultraluminous X-Ray Sources. <i>Astrophysical Journal</i> , 2003, 585, L37-L40.	1.6	248
10	Alignment of the Spins of Supermassive Black Holes Prior to Coalescence. <i>Astrophysical Journal</i> , 2007, 661, L147-L150.	1.6	246
11	<i>Colloquium</i>: Measuring the neutron star equation of state using x-ray timing. <i>Reviews of Modern Physics</i> , 2016, 88, .	16.4	234
12	Distinguishing spin-aligned and isotropic black hole populations with gravitational waves. <i>Nature</i> , 2017, 548, 426-429.	13.7	208
13	Getting a Kick Out of Numerical Relativity. <i>Astrophysical Journal</i> , 2006, 653, L93-L96.	1.6	202
14	A Unified Model for Tidal Disruption Events. <i>Astrophysical Journal Letters</i> , 2018, 859, L20.	3.0	200
15	Fourâ€Body Effects in Globular Cluster Black Hole Coalescence. <i>Astrophysical Journal</i> , 2002, 576, 894-898.	1.6	199
16	The masses and spins of neutron stars and stellar-mass black holes. <i>Physics Reports</i> , 2015, 548, 1-34.	10.3	178
17	The Large Observatory for X-ray Timing (LOFT). <i>Experimental Astronomy</i> , 2012, 34, 415-444.	1.6	168
18	Modeling Kicks from the Merger of Generic Black Hole Binaries. <i>Astrophysical Journal</i> , 2008, 682, L29-L32.	1.6	156

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19	A Comparison of Intermediate-Mass Black Hole Candidate Ultraluminous X-Ray Sources and Stellar-Mass Black Holes. <i>Astrophysical Journal</i> , 2004, 614, L117-L120.	1.6	150
20	Flows of X-ray gas reveal the disruption of a star by a massive black hole. <i>Nature</i> , 2015, 526, 542-545.	13.7	144
21	MERGERS OF STELLAR-MASS BLACK HOLES IN NUCLEAR STAR CLUSTERS. <i>Astrophysical Journal</i> , 2009, 692, 917-923.	1.6	136
22	RELATIVISTIC LINES AND REFLECTION FROM THE INNER ACCRETION DISKS AROUND NEUTRON STARS. <i>Astrophysical Journal</i> , 2010, 720, 205-225.	1.6	136
23	Neutron star mass and radius measurements from atmospheric model fits to X-ray burst cooling tail spectra. <i>Astronomy and Astrophysics</i> , 2017, 608, A31.	2.1	133
24	Relativistic Iron Emission Lines in Neutron Star Low-Mass X-Ray Binaries as Probes of Neutron Star Radii. <i>Astrophysical Journal</i> , 2008, 674, 415-420.	1.6	122
25	An abrupt drop in the coherence of the lower kHz quasi-periodic oscillations in 4U 1636+536. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 361, 855-860.	1.6	119
26	SOFT X-RAY TEMPERATURE TIDAL DISRUPTION EVENTS FROM STARS ON DEEP PLUNGING ORBITS. <i>Astrophysical Journal Letters</i> , 2015, 812, L39.	3.0	116
27	Three-Body Dynamics with Gravitational Wave Emission. <i>Astrophysical Journal</i> , 2006, 640, 156-166.	1.6	114
28	Growth of Intermediate-Mass Black Holes in Globular Clusters. <i>Astrophysical Journal</i> , 2004, 616, 221-230.	1.6	113
29	Constraining the Neutron Star Mass-Radius Relation and Dense Matter Equation of State with NICER. I. The Millisecond Pulsar X-Ray Data Set. <i>Astrophysical Journal Letters</i> , 2019, 887, L25.	3.0	110
30	THE ROLE OF THE KOZAI-LIDOV MECHANISM IN BLACK HOLE BINARY MERGERS IN GALACTIC CENTERS. <i>Astrophysical Journal</i> , 2016, 828, 77.	1.6	104
31	Revealing a Cool Accretion Disk in the Ultraluminous X-Ray Source M81 X-9 (Holmberg IX X-1): Evidence for an Intermediate-Mass Black Hole. <i>Astrophysical Journal</i> , 2004, 607, 931-938.	1.6	102
32	SUPERMASSIVE BLACK HOLE FORMATION VIA GAS ACCRETION IN NUCLEAR STELLAR CLUSTERS. <i>Astrophysical Journal Letters</i> , 2011, 740, L42.	3.0	102
33	Bounds on the Compactness of Neutron Stars from Brightness Oscillations during X-Ray Bursts. <i>Astrophysical Journal</i> , 1998, 499, L37-L40.	1.6	101
34	Modeling Kicks from the Merger of Nonprecessing Black Hole Binaries. <i>Astrophysical Journal</i> , 2007, 668, 1140-1144.	1.6	99
35	THE FORMATION AND GRAVITATIONAL-WAVE DETECTION OF MASSIVE STELLAR BLACK HOLE BINARIES. <i>Astrophysical Journal</i> , 2014, 789, 120.	1.6	98
36	Constraining the Neutron Star Mass-Radius Relation and Dense Matter Equation of State with NICER. II. Emission from Hot Spots on a Rapidly Rotating Neutron Star. <i>Astrophysical Journal Letters</i> , 2019, 887, L26.	3.0	95

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37	Rates and Characteristics of Intermediate Mass Ratio Inspirals Detectable by Advanced LIGO. <i>Astrophysical Journal</i> , 2008, 681, 1431-1447.	1.6	93
38	The coherence of kilohertz quasi-periodic oscillations in the X-rays from accreting neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 1140-1146.	1.6	89
39	Magnetized Iron Atmospheres for Neutron Stars. <i>Astrophysical Journal</i> , 1997, 479, 347-356.	1.6	88
40	Binary Encounters with Supermassive Black Holes: Zero-Eccentricity LISA Events. <i>Astrophysical Journal</i> , 2005, 631, L117-L120.	1.6	85
41	OBSERVATIONAL SIGNATURES OF BINARY SUPERMASSIVE BLACK HOLES. <i>Astrophysical Journal</i> , 2014, 785, 115.	1.6	84
42	Changing Frequency Separation of Kilohertz Quasi-Periodic Oscillations in the Sonic-Point Beat-Frequency Model. <i>Astrophysical Journal</i> , 2001, 554, 1210-1215.	1.6	82
43	Dense matter with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	2.0	81
44	Observing IMBH-IMBH Binary Coalescences via Gravitational Radiation. <i>Astrophysical Journal</i> , 2006, 646, L135-L138.	1.6	79
45	Modeling Extreme Mass Ratio Inspirals within the Effective-One-Body Approach. <i>Physical Review Letters</i> , 2010, 104, 091102.	2.9	79
46	Observational constraints on neutron star masses and radii. <i>European Physical Journal A</i> , 2016, 52, 1.	1.0	78
47	Gravitational Radiation from Intermediate-Mass Black Holes. <i>Astrophysical Journal</i> , 2002, 581, 438-450.	1.6	77
48	Exploring intermediate and massive black-hole binaries with the Einstein Telescope. <i>General Relativity and Gravitation</i> , 2011, 43, 485-518.	0.7	77
49	Extreme mass-ratio inspirals in the effective-one-body approach: Quasicircular, equatorial orbits around a spinning black hole. <i>Physical Review D</i> , 2011, 83, .	1.6	75
50	Neutron stars in Einstein-aether theory. <i>Physical Review D</i> , 2007, 76, .	1.6	74
51	Constraining the Equation of State of High-density Cold Matter Using Nuclear and Astronomical Measurements. <i>Astrophysical Journal</i> , 2020, 888, 12.	1.6	74
52	Constraints on Neutron Star Parameters from Burst Oscillation Light Curves of the Accreting Millisecond Pulsar XTE J1814-338. <i>Astrophysical Journal</i> , 2005, 619, 483-491.	1.6	73
53	THE TIME VARIABILITY OF GEOMETRICALLY THIN BLACK HOLE ACCRETION DISKS. I. THE SEARCH FOR MODES IN SIMULATED DISKS. <i>Astrophysical Journal</i> , 2009, 692, 869-886.	1.6	70
54	DETERMINING NEUTRON STAR MASSES AND RADII USING ENERGY-RESOLVED WAVEFORMS OF X-RAY BURST OSCILLATIONS. <i>Astrophysical Journal</i> , 2013, 776, 19.	1.6	70

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55	Low-frequency terrestrial gravitational-wave detectors. <i>Physical Review D</i> , 2013, 88, .	1.6	70
56	Intermediate-Mass Black Hole Induced Quenching of Mass Segregation in Star Clusters. <i>Astrophysical Journal</i> , 2008, 686, 303-309.	1.6	68
57	A MODEL FOR THE WAVEFORM BEHAVIOR OF ACCRETING MILLISECOND X-RAY PULSARS: NEARLY ALIGNED MAGNETIC FIELDS AND MOVING EMISSION REGIONS. <i>Astrophysical Journal</i> , 2009, 706, 417-435.	1.6	66
58	REACTION OF ACCRETION DISKS TO ABRUPT MASS LOSS DURING BINARY BLACK HOLE MERGER. <i>Astrophysical Journal</i> , 2009, 700, 859-871.	1.6	62
59	On the Magnetospheric Beat-Frequency and Lense-Thirring Interpretations of the Horizontal-Branch Oscillation in the Z Sources. <i>Astrophysical Journal</i> , 1999, 520, 763-775.	1.6	61
60	DISK WINDS AS AN EXPLANATION FOR SLOWLY EVOLVING TEMPERATURES IN TIDAL DISRUPTION EVENTS. <i>Astrophysical Journal</i> , 2015, 805, 83.	1.6	60
61	Motion of Accreting Matter near Luminous Slowly Rotating Relativistic Stars. <i>Astrophysical Journal</i> , 1996, 470, 1033.	1.6	58
62	LOW-FREQUENCY OSCILLATIONS IN GLOBAL SIMULATIONS OF BLACK HOLE ACCRETION. <i>Astrophysical Journal</i> , 2011, 736, 107.	1.6	57
63	Effects of Rapid Stellar Rotation on Equation-of-State Constraints Derived from Quasi-Periodic Brightness Oscillations. <i>Astrophysical Journal</i> , 1998, 509, 793-801.	1.6	56
64	DETERMINING NEUTRON STAR PROPERTIES BY FITTING OBLATE-STAR WAVEFORM MODELS TO X-RAY BURST OSCILLATIONS. <i>Astrophysical Journal</i> , 2015, 808, 31.	1.6	55
65	The new frontier of gravitational waves. <i>Nature</i> , 2019, 568, 469-476.	13.7	55
66	ALIGNMENT OF SUPERMASSIVE BLACK HOLE BINARY ORBITS AND SPINS. <i>Astrophysical Journal</i> , 2013, 774, 43.	1.6	53
67	Gravitational Waves from F-modes Excited by the Inspiral of Highly Eccentric Neutron Star Binaries. <i>Astrophysical Journal</i> , 2017, 837, 67.	1.6	51
68	AN UPPER BOUND ON NEUTRON STAR MASSES FROM MODELS OF SHORT GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2015, 808, 186.	1.6	50
69	Observatory science with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	2.0	50
70	Oscillation Waveforms and Amplitudes from Hot Spots on Neutron Stars. <i>Astrophysical Journal</i> , 2001, 546, 1098-1106.	1.6	49
71	Star formation in accretion discs and SMBH growth. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3732-3743.	1.6	47
72	Effect of massive perturbers on extreme mass-ratio inspiral waveforms. <i>Physical Review D</i> , 2011, 83, .	1.6	46

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73	AN UPPER LIMIT TO THE VELOCITY DISPERSION OF RELAXED STELLAR SYSTEMS WITHOUT MASSIVE BLACK HOLES. <i>Astrophysical Journal</i> , 2012, 755, 81.	1.6	45
74	NICER X-Ray Observations of Seven Nearby Rotation-powered Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2019, 887, L27.	3.0	45
75	Effect of radiation forces on disk accretion by weakly magnetic neutron stars. <i>Astrophysical Journal</i> , 1993, 413, L43.	1.6	44
76	Implications of the PSR 1257+12 Planetary System for Isolated Millisecond Pulsars. <i>Astrophysical Journal</i> , 2001, 550, 863-870.	1.6	42
77	TEST OF A GENERAL FORMULA FOR BLACK HOLE GRAVITATIONAL WAVE KICKS. <i>Astrophysical Journal</i> , 2010, 719, 1427-1432.	1.6	42
78	Constraints on the Production of Ultra-high Energy Cosmic Rays by Isolated Neutron Stars. <i>Astrophysical Journal</i> , 1997, 484, 323-328.	1.6	42
79	Evidence for Antipodal Hot Spots During X-Ray Bursts from 4U 1636+536. <i>Astrophysical Journal</i> , 1999, 515, L77-L80.	1.6	42
80	Model atmospheres for neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 1992, 255, 129-145.	1.6	39
81	Supporting evidence for the signature of the innermost stable circular orbit in Rossi X-ray data from 4U 1636-536. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 376, 1139-1144.	1.6	39
82	Did ASAS-SN Kill the Supermassive Black Hole Binary Candidate PG1302-102?. <i>Astrophysical Journal Letters</i> , 2018, 859, L12.	3.0	39
83	The Origin of Inequality: Isolated Formation of a $30+10 M_{\odot}$ Binary Black Hole Merger. <i>Astrophysical Journal Letters</i> , 2020, 901, L39.	3.0	37
84	Atoms in very strong magnetic fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 1991, 253, 107-122.	1.6	36
85	Probing General Relativity with Mergers of Supermassive and Intermediate-mass Black Holes. <i>Astrophysical Journal</i> , 2005, 618, 426-431.	1.6	36
86	Drop of coherence of the lower kilo-Hz QPO in neutron stars: Is there a link with the innermost stable circular orbit?. <i>Astronomische Nachrichten</i> , 2005, 326, 808-811.	0.6	35
87	The Uncertain Future of Massive Binaries Obscures the Origin of LIGO/Virgo Sources. <i>Astrophysical Journal</i> , 2022, 925, 69.	1.6	35
88	Intermediate-mass black holes as LISA sources. <i>Classical and Quantum Gravity</i> , 2009, 26, 094031.	1.5	34
89	Critical radiation fluxes and luminosities of black holes and relativistic stars. <i>Astrophysical Journal</i> , 1995, 439, 828.	1.6	34
90	ORIGIN OF INTERMITTENT ACCRETION-POWERED X-RAY OSCILLATIONS IN NEUTRON STARS WITH MILLISECOND SPIN PERIODS. <i>Astrophysical Journal</i> , 2009, 705, L36-L39.	1.6	33

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91	Prompt Mergers of Neutron Stars with Black Holes. <i>Astrophysical Journal</i> , 2005, 626, L41-L44.	1.6	32
92	THE CHANDRA VIEW OF NEARBY X-SHAPED RADIO GALAXIES. <i>Astrophysical Journal</i> , 2010, 710, 1205-1227.	1.6	32
93	Observing Intermediate-mass Black Holes and the Upper Stellar-mass gap with LIGO and Virgo. <i>Astrophysical Journal</i> , 2022, 924, 39.	1.6	32
94	Spectral effects of the vacuum resonance in soft gamma-ray repeaters. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 288, 596-608.	1.6	30
95	A Search for High-energy Counterparts to Fast Radio Bursts. <i>Astrophysical Journal</i> , 2019, 879, 40.	1.6	30
96	Beaming as an explanation of the repetition/width relation in FRBs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3076-3082.	1.6	30
97	Constraints on Hydrostatic Models of Soft Gamma-Ray Repeater. <i>Astrophysical Journal</i> , 1995, 448, .	1.6	30
98	GRAVITATIONAL WAVES FROM ECCENTRIC INTERMEDIATE-MASS BLACK HOLE BINARIES. <i>Astrophysical Journal</i> , 2009, 692, L50-L53.	1.6	29
99	kHz quasi-periodic oscillations in the low-mass X-ray binary 4U 0614+09. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 399, 1901-1906.	1.6	29
100	Discovery of the upper kilohertz quasi-periodic oscillation from the X-ray transient Aql X-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 384, 1519-1524.	1.6	28
101	MASS SEGREGATION IN NGC 2298: LIMITS ON THE PRESENCE OF AN INTERMEDIATE MASS BLACK HOLE. <i>Astrophysical Journal</i> , 2009, 699, 1511-1517.	1.6	27
102	Accretion in strong field gravity with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	2.0	27
103	Constraining the Neutron Star Mass-Radius Relation and Dense Matter Equation of State with NICER. III. Model Description and Verification of Parameter Estimation Codes. <i>Astrophysical Journal Letters</i> , 2021, 914, L15.	3.0	27
104	A DEEP CHANDRA OBSERVATION OF THE X-SHAPED RADIO GALAXY 4C +00.58: A CANDIDATE FOR MERGER-INDUCED REORIENTATION?. <i>Astrophysical Journal Letters</i> , 2010, 717, L37-L41.	3.0	26
105	SUPER-EDDINGTON FLUXES DURING THERMONUCLEAR X-RAY BURSTS. <i>Astrophysical Journal Letters</i> , 2010, 720, L15-L19.	3.0	26
106	A Lower Limit on documentclass{aastex} usepackage{amsbsy} usepackage{amsmath} usepackage{amssymb} usepackage{bm} usepackage{mathrsfs} usepackage{pifont} usepackage{stmaryrd} usepackage{textcomp} usepackage{portland,xspace} usepackage{amsmath,amsxtra} usepackage[OT2,OT1]{fontenc} ewcommandcyr{enewcommandmdefault{wncy}r} ewcommandsfdefault{wncyss} ewcommandencodingdefault{OT2} ormalfont selectfont} DeclareTextFontCommand{extcyr}	1.6	26
107	Electromagnetic counterparts to massive black-hole mergers. <i>Living Reviews in Relativity</i> , 2022, 25, .	8.2	26
108	The Shapes of Atomic Lines from the Surfaces of Weakly Magnetic Rotating Neutron Stars and Their Implications. <i>Astrophysical Journal</i> , 2006, 644, 1085-1089.	1.6	24

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109	THE CASE FOR PSR J1614-2230 AS A NICER TARGET. <i>Astrophysical Journal</i> , 2016, 822, 27.	1.6	24
110	THE TIME VARIABILITY OF GEOMETRICALLY THIN BLACK HOLE ACCRETION DISKS. II. VISCOSITY-INDUCED GLOBAL OSCILLATION MODES IN SIMULATED DISKS. <i>Astrophysical Journal</i> , 2009, 693, 1100-1112.	1.6	24
111	MODELING FLOWS AROUND MERGING BLACK HOLE BINARIES. <i>Astrophysical Journal Letters</i> , 2010, 711, L89-L93.	3.0	23
112	Implications of the gravitational wave event GW150914. <i>General Relativity and Gravitation</i> , 2016, 48, 1.	0.7	22
113	Systematic variation in the apparent burning area of thermonuclear bursts and its implication for neutron star radius measurement. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 2-6.	1.6	21
114	A TEST OF THE NATURE OF THE FE K LINE IN THE NEUTRON STAR LOW-MASS X-RAY BINARY SERPENS X-1. <i>Astrophysical Journal</i> , 2016, 821, 105.	1.6	21
115	Identifying ultrahigh-energy cosmic-ray accelerators with future ultrahigh-energy neutrino detectors. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 017-017.	1.9	20
116	On the Persistence of QPOs during the SGR 1806-20 Giant Flare. <i>Astrophysical Journal</i> , 2019, 871, 95.	1.6	20
117	Searching for Hypermassive Neutron Stars with Short Gamma-Ray Bursts. <i>Astrophysical Journal Letters</i> , 2019, 884, L16.	3.0	20
118	A Characterization of the Brightness Oscillations during Thermonuclear Bursts from 4U 1636-536. <i>Astrophysical Journal</i> , 2000, 531, 458-466.	1.6	19
119	Energetic constraints on electromagnetic signals from double black hole mergers. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 470, L92-L96.	1.2	18
120	<i>r</i> -Process Nucleosynthesis in the Early Universe Through Fast Mergers of Compact Binaries in Triple Systems. <i>Publications of the Astronomical Society of Australia</i> , 2018, 35, .	1.3	18
121	Phase lags in Cygnus X-1. <i>Astrophysical Journal</i> , 1995, 441, 770.	1.6	18
122	A WIND ACCRETION MODEL FOR HLX-1. <i>Astrophysical Journal</i> , 2014, 788, 116.	1.6	17
123	THE DROP OF THE COHERENCE OF THE LOWER KILOHERTZ QUASI-PERIODIC BRIGHTNESS VARIATIONS IS ALSO OBSERVED IN XTE J1701-462. <i>Astrophysical Journal</i> , 2011, 728, 9.	1.6	16
124	Optical/Near-Infrared Observations of GRO J1744-28. <i>Astrophysical Journal</i> , 1997, 480, 377-382.	1.6	16
125	Tidal disruptions of separated binaries in galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 2401-2406.	1.6	14
126	Merger rates in primordial black hole clusters without initial binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 994-1000.	1.6	14



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127	Gravitational Lensing Limits on the Average Redshift of Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 1999, 510, 54-63.	1.6	13
128	The MODEST questions: Challenges and future directions in stellar cluster research. <i>New Astronomy</i> , 2006, 12, 201-214.	0.8	13
129	Testing the rotating hotspot model using X-ray burst oscillations from 4U 1636-536. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 433, L64-L68.	1.2	13
130	NICER Detection of Thermal X-Ray Pulsations from the Massive Millisecond Pulsars PSR J0740+6620 and PSR J1614-2230. <i>Astrophysical Journal Letters</i> , 2021, 918, L26.	3.0	13
131	Precise Interplanetary Network Localization of the Bursting Pulsar GRO J1744-28. <i>Astrophysical Journal</i> , 2000, 537, 953-957.	1.6	12
132	Probing neutron star structure via $f$ -mode oscillations and damping in dynamical spacetime models. <i>Physical Review D</i> , 2019, 99, .	1.6	12
133	Implications of the Narrow Period Distribution of Anomalous X-Ray Pulsars and Soft Gamma-Ray Repeaters. <i>Astrophysical Journal</i> , 2002, 578, 325-329.	1.6	12
134	Constraints on neutron star masses and radii from kilohertz QPOs. , 1998, , .		11
135	Investigating the I-Love-Q and $w$ -mode universal relations using piecewise polytropes. <i>Physical Review D</i> , 2021, 103, .	1.6	11
136	SOWING THE SEEDS OF MASSIVE BLACK HOLES IN SMALL GALAXIES: YOUNG CLUSTERS AS THE BUILDING BLOCKS OF ULTRACOMPACT DWARF GALAXIES. <i>Astrophysical Journal</i> , 2014, 782, 97.	1.6	10
137	The Large Observatory for x-ray timing. <i>Proceedings of SPIE</i> , 2014, , .	0.8	10
138	Dawn of a new astronomy. <i>Nature</i> , 2016, 531, 40-41.	13.7	10
139	Golden Galactic Binaries for LISA: Mass-transferring White Dwarf Black Hole Binaries. <i>Astrophysical Journal</i> , 2021, 908, 1.	1.6	10
140	Suppression of Gravitational Structure Formation by Cosmological Accretion Heating. <i>Astrophysical Journal</i> , 2001, 561, 496-503.	1.6	9
141	Reionization Constraints on the Contribution of Primordial Compact Objects to Dark Matter. <i>Astrophysical Journal</i> , 2000, 544, 43-48.	1.6	8
142	A NEW METHOD FOR FINDING POINT SOURCES IN HIGH-ENERGY NEUTRINO DATA. <i>Astrophysical Journal</i> , 2016, 826, 102.	1.6	8
143	Binary black hole mergers from hierarchical triples in open clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3844-3852.	1.6	8
144	Gravitational-wave and X-ray probes of the neutron star equation of state. <i>Nature Reviews Physics</i> , 2022, 4, 237-246.	11.9	8

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145	Attenuation of Beaming Oscillations near Neutron Stars. <i>Astrophysical Journal</i> , 2000, 537, 342-350.	1.6	7
146	Reliability of magnetic inclination angle determinations for pulsars. <i>Astrophysical Journal</i> , 1993, 411, 298.	1.6	6
147	A golden binary. <i>Nature</i> , 2017, 551, 36-37.	13.7	5
148	Effects of Radiation Forces on the Frequency of Gravitomagnetic Precession near Neutron Stars. <i>Astrophysical Journal</i> , 1999, 520, 256-261.	1.6	5
149	Science with the XEUS high time resolution spectrometer. , 2008, , .		4
150	Thermal X-ray emission identified from the millisecond pulsar PSR J1909â€“3744. <i>Astronomy and Astrophysics</i> , 2019, 627, A141.	2.1	4
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