

Gijs Nelemans

List of Publications by Year in descending order

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Version: 2024-02-01

340
papers

44,681
citations

6254

80
h-index

1980

206
g-index

344
all docs

344
docs citations

344
times ranked

19428
citing authors

#	ARTICLE	IF	CITATIONS
1	The <i>Gaia</i> mission. <i>Astronomy and Astrophysics</i> , 2016, 595, A1.	5.1	4,509
2	Multi-messenger Observations of a Binary Neutron Star Merger [*] . <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	8.3	2,805
3	Advanced Virgo: a second-generation interferometric gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2015, 32, 024001.	4.0	2,530
4	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. <i>Astrophysical Journal Letters</i> , 2017, 848, L13.	8.3	2,314
5	GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs. <i>Physical Review X</i> , 2019, 9, .	8.9	2,022
6	<i>Gaia</i> Data Release 1. <i>Astronomy and Astrophysics</i> , 2016, 595, A2.	5.1	1,590
7	GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run. <i>Physical Review X</i> , 2021, 11, .	8.9	1,097
8	GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object. <i>Astrophysical Journal Letters</i> , 2020, 896, L44.	8.3	1,090
9	GW190425: Observation of a Compact Binary Coalescence with Total Mass $\hat{=} 3.4 M_{\odot}$. <i>Astrophysical Journal Letters</i> , 2020, 892, L3.	8.3	1,049
10	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017, 851, L35.	8.3	968
11	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. <i>Physical Review X</i> , 2016, 6, .	8.9	898
12	Properties of the Binary Neutron Star Merger GW170817. <i>Physical Review X</i> , 2019, 9, .	8.9	728
13	Observational Clues to the Progenitors of Type Ia Supernovae. <i>Annual Review of Astronomy and Astrophysics</i> , 2014, 52, 107-170.	24.3	711
14	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2018, 616, A10.	5.1	638
15	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , 2016, 818, L22.	8.3	633
16	Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal Letters</i> , 2019, 882, L24.	8.3	566
17	Population Properties of Compact Objects from the Second LIGO–Virgo Gravitational-Wave Transient Catalog. <i>Astrophysical Journal Letters</i> , 2021, 913, L7.	8.3	514
18	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2018, 616, A12.	5.1	491

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19	Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. <i>Physical Review D</i> , 2019, 100, .	4.7	470
20	Observation of Gravitational Waves from Two Neutron Star–Black Hole Coalescences. <i>Astrophysical Journal Letters</i> , 2021, 915, L5.	8.3	453
21	Black holes, gravitational waves and fundamental physics: a roadmap. <i>Classical and Quantum Gravity</i> , 2019, 36, 143001.	4.0	451
22	Properties and Astrophysical Implications of the 150 M_{\odot} Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , 2020, 900, L13.	8.3	406
23	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. <i>Physical Review D</i> , 2020, 102, .	4.7	394
24	Low-frequency gravitational-wave science with eLISA/NGO. <i>Classical and Quantum Gravity</i> , 2012, 29, 124016.	4.0	391
25	The gravitational wave signal from the Galactic disk population of binaries containing two compact objects. <i>Astronomy and Astrophysics</i> , 2001, 375, 890-898.	5.1	349
26	Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog. <i>Physical Review D</i> , 2021, 103, .	4.7	338
27	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2018, 616, A11.	5.1	323
28	Faint Thermonuclear Supernovae from AM Canum Venaticorum Binaries. <i>Astrophysical Journal</i> , 2007, 662, L95-L98.	4.5	310
29	Population synthesis for double white dwarfs. <i>Astronomy and Astrophysics</i> , 2001, 365, 491-507.	5.1	307
30	Open data from the first and second observing runs of Advanced LIGO and Advanced Virgo. <i>SoftwareX</i> , 2021, 13, 100658.	2.6	275
31	A faint type of supernova from a white dwarf with a helium-rich companion. <i>Nature</i> , 2010, 465, 322-325.	27.8	273
32	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , 2016, 116, 131102.	7.8	269
33	The distances to Galactic low-mass X-ray binaries: consequences for black hole luminosities and kicks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 354, 355-366.	4.4	253
34	Population synthesis for double white dwarfs. <i>Astronomy and Astrophysics</i> , 2001, 368, 939-949.	5.1	235
35	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. <i>Astrophysical Journal Letters</i> , 2016, 833, L1.	8.3	230
36	Mass transfer between double white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 350, 113-128.	4.4	226

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37	Supernova Type Ia progenitors from merging double white dwarfs. <i>Astronomy and Astrophysics</i> , 2012, 546, A70.	5.1	210
38	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016, 826, L13.	8.3	210
39	Short-period AM CVn systems as optical, X-ray and gravitational-wave sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 349, 181-192.	4.4	209
40	SDSS unveils a population of intrinsically faint cataclysmic variables at the minimum orbital period. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 397, 2170-2188.	4.4	201
41	Search for the isotropic stochastic background using data from Advanced LIGO's second observing run. <i>Physical Review D</i> , 2019, 100, .	4.7	200
42	Upper limits on the isotropic gravitational-wave background from Advanced LIGO and Advanced Virgo's third observing run. <i>Physical Review D</i> , 2021, 104, .	4.7	192
43	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 851, L16.	8.3	189
44	A guide to LIGO's Virgo detector noise and extraction of transient gravitational-wave signals. <i>Classical and Quantum Gravity</i> , 2020, 37, 055002.	4.0	188
45	Reconstructing the evolution of white dwarf binaries: further evidence for an alternative algorithm for the outcome of the common-envelope phase in close binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 356, 753-764.	4.4	182
46	First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary's Black-hole Merger GW170814. <i>Astrophysical Journal Letters</i> , 2019, 876, L7.	8.3	179
47	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L39.	8.3	156
48	THE FIRST ACCURATE PARALLAX DISTANCE TO A BLACK HOLE. <i>Astrophysical Journal</i> , 2009, 706, L230-L234.	4.5	151
49	Probing cosmic chemical evolution with gamma-ray bursts: GRB 060206 at $z = 4.048$. <i>Astronomy and Astrophysics</i> , 2006, 451, L47-L50.	5.1	149
50	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STAR-BLACK HOLE MERGERS FROM ADVANCED LIGO'S FIRST OBSERVING RUN. <i>Astrophysical Journal Letters</i> , 2016, 832, L21.	8.3	146
51	A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. <i>Astrophysical Journal Letters</i> , 2019, 871, L13.	8.3	145
52	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021, 909, 218.	4.5	144
53	Prospects for detection of detached double white dwarf binaries with Gaia, LSST and LISA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 1894-1910.	4.4	143
54	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2018, 616, A14.	5.1	140

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55	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , 2017, 850, L35.	8.3	135
56	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , 2017, 839, 12.	4.5	131
57	Close binary EHB stars from SPY. <i>Astrophysics and Space Science</i> , 2004, 291, 321-328.	1.4	129
58	LISA verification binaries with updated distances from Gaia Data Release 2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 302-309.	4.4	126
59	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014, 785, 119.	4.5	125
60	High-resolution UVES/MLT spectra of white dwarfs observed for the ESO SN Ia progenitor survey (SPY). <i>Astronomy and Astrophysics</i> , 2001, 378, 556-568.	5.1	121
61	Observing gravitational-wave transient GW150914 with minimal assumptions. <i>Physical Review D</i> , 2016, 93, .	4.7	119
62	Model comparison from LIGOâ€“Virgo data on GW170817â€™s binary components and consequences for the merger remnant. <i>Classical and Quantum Gravity</i> , 2020, 37, 045006.	4.0	109
63	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. <i>Physical Review X</i> , 2016, 6, .	8.9	106
64	Directly comparing GW150914 with numerical solutions of Einsteinâ€™s equations for binary black hole coalescence. <i>Physical Review D</i> , 2016, 94, .	4.7	102
65	All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data. <i>Physical Review D</i> , 2019, 100, .	4.7	102
66	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2019, 623, A110.	5.1	101
67	GRAVITATIONAL-WAVE EMISSION FROM COMPACT GALACTIC BINARIES. <i>Astrophysical Journal</i> , 2012, 758, 131.	4.5	100
68	The effect of common-envelope evolution on the visible population of post-common-envelope binaries. <i>Astronomy and Astrophysics</i> , 2013, 557, A87.	5.1	100
69	Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , 2017, 34, 104002.	4.0	98
70	Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal</i> , 2019, 875, 160.	4.5	97
71	Effects of data quality vetoes on a search for compact binary coalescences in Advanced LIGOâ€™s first observing run. <i>Classical and Quantum Gravity</i> , 2018, 35, 065010.	4.0	94
72	Population synthesis of triple systems in the context of mergers of carbonâ€“oxygen white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 2262-2280.	4.4	93

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73	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , 2016, 93, .	4.7	92
74	Optical spectra of the carbon-oxygen accretion discs in the ultra-compact X-ray binaries 4U 0614+09, 4U 1543+624 and 2S 0918+549. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 348, L7-L11.	4.4	91
75	The chemical composition of donors in AM CVn stars and ultracompact X-ray binaries: observational tests of their formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 1347-1359.	4.4	91
76	Constraints on cosmic strings using data from the first Advanced LIGO observing run. <i>Physical Review D</i> , 2018, 97, .	4.7	88
77	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015–2017 LIGO Data. <i>Astrophysical Journal</i> , 2019, 879, 10.	4.5	88
78	It has to be cool: Supergiant progenitors of binary black hole mergers from common-envelope evolution. <i>Astronomy and Astrophysics</i> , 2021, 645, A54.	5.1	87
79	THE EXPANDING BIPOLAR SHELL OF THE HELIUM NOVA V445 PUPPIS. <i>Astrophysical Journal</i> , 2009, 706, 738-746.	4.5	84
80	Potential kick velocity distribution of black hole X-ray binaries and implications for natal kicks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 3116-3134.	4.4	83
81	<i>Hubble Space Telescope</i> Parallaxes of AM CVn Stars and Astrophysical Consequences. <i>Astrophysical Journal</i> , 2007, 666, 1174-1188.	4.5	81
82	Binaries discovered by the SPY project. <i>Astronomy and Astrophysics</i> , 2005, 440, 1087-1095.	5.1	80
83	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2018, 616, A13.	5.1	78
84	<i>Gaia</i> Data Release 1. <i>Astronomy and Astrophysics</i> , 2017, 605, A79.	5.1	78
85	<i>Gaia</i> Data Release 1. <i>Astronomy and Astrophysics</i> , 2017, 601, A19.	5.1	77
86	Optical spectroscopy of (candidate) ultracompact X-ray binaries: constraints on the composition of the donor stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 255-262.	4.4	76
87	SPECTROSCOPIC EVIDENCE FOR A 5.4 MINUTE ORBITAL PERIOD IN HM CANCRI. <i>Astrophysical Journal Letters</i> , 2010, 711, L138-L142.	8.3	73
88	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. <i>Physical Review D</i> , 2017, 96, .	4.7	73
89	On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L40.	8.3	73
90	Search for Eccentric Binary Black Hole Mergers with Advanced LIGO and Advanced Virgo during Their First and Second Observing Runs. <i>Astrophysical Journal</i> , 2019, 883, 149.	4.5	72

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91	The influence of the distribution of cosmic star formation at different metallicities on the properties of merging double compact objects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 5012-5017.	4.4	72
92	Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. <i>Astrophysical Journal</i> , 2019, 875, 161.	4.5	71
93	Faint supernovae and supernova impostors: case studies of SN 2002kg/NGC 2403-V37 and SN 2003gm. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 390-406.	4.4	69
94	Constraining the formation of black holes in short-period black hole low-mass X-ray binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 3342-3356.	4.4	69
95	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. <i>Physical Review D</i> , 2017, 95, .	4.7	69
96	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209.	2.4	69
97	Optically targeted search for gravitational waves emitted by core-collapse supernovae during the first and second observing runs of advanced LIGO and advanced Virgo. <i>Physical Review D</i> , 2020, 101, .	4.7	69
98	Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2014, 112, 131101.	7.8	68
99	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2015, 813, 39.	4.5	66
100	The binary properties of the pulsating subdwarf B eclipsing binary PG 1336-018 (NY Virginis). <i>Astronomy and Astrophysics</i> , 2007, 471, 605-615.	5.1	66
101	The origin and fate of short-period low-mass black-hole binaries. <i>Astronomy and Astrophysics</i> , 2006, 454, 559-569.	5.1	65
102	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2020, 902, L21.	8.3	65
103	THE GALACTIC BULGE SURVEY: OUTLINE AND X-RAY OBSERVATIONS. <i>Astrophysical Journal, Supplement Series</i> , 2011, 194, 18.	7.7	64
104	All-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , 2017, 96, .	4.7	64
105	The population of AM CVn stars from the Sloan Digital Sky Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 382, 685-692.	4.4	63
106	The Galactic gravitational wave foreground. <i>Classical and Quantum Gravity</i> , 2009, 26, 094030.	4.0	63
107	SUPPLEMENT: THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914 (2016, <i>ApJL</i> , 833, L1). <i>Astrophysical Journal, Supplement Series</i> , 2016, 227, 14.	7.7	63
108	Discovery of the progenitor of the type Ia supernova 2007on. <i>Nature</i> , 2008, 451, 802-804.	27.8	62

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109	Orbital properties of binary post-AGB stars. <i>Astronomy and Astrophysics</i> , 2018, 620, A85.	5.1	62
110	Search for anisotropic gravitational-wave backgrounds using data from Advanced LIGO and Advanced Virgo's first three observing runs. <i>Physical Review D</i> , 2021, 104, .	4.7	62
111	On the formation of neon-enriched donor stars in ultracompact X-ray binaries. <i>Astronomy and Astrophysics</i> , 2002, 388, 546-551.	5.1	62
112	Ultra-compact (X-ray) binaries. <i>New Astronomy Reviews</i> , 2010, 54, 87-92.	12.8	61
113	The evolution of ultracompact X-ray binaries. <i>Astronomy and Astrophysics</i> , 2012, 537, A104.	5.1	61
114	Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO*. <i>Astrophysical Journal</i> , 2019, 875, 122.	4.5	61
115	A search for the hidden population of AM CVn binaries in the Sloan Digital Sky Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 2143-2160.	4.4	60
116	First all-sky search for continuous gravitational waves from unknown sources in binary systems. <i>Physical Review D</i> , 2014, 90, .	4.7	60
117	First targeted search for gravitational-wave bursts from core-collapse supernovae in data of first-generation laser interferometer detectors. <i>Physical Review D</i> , 2016, 94, .	4.7	60
118	First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. <i>Physical Review D</i> , 2017, 96, .	4.7	60
119	Physical properties of AM CVn stars: New insights from <i>Gaia</i> DR2. <i>Astronomy and Astrophysics</i> , 2018, 620, A141.	5.1	60
120	Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run. <i>Physical Review D</i> , 2019, 99, .	4.7	60
121	The Thermal State of the Accreting White Dwarf in AM Canum Venaticorum Binaries. <i>Astrophysical Journal</i> , 2006, 640, 466-473.	4.5	60
122	Search for gravitational waves from Scorpius X-1 in the first Advanced LIGO observing run with a hidden Markov model. <i>Physical Review D</i> , 2017, 95, .	4.7	59
123	Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGO's Virgo's Third Observing Run. <i>Astrophysical Journal</i> , 2021, 923, 14.	4.5	59
124	Discovery of a stripped red giant core in a bright eclipsing binary system.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 1156-1164.	4.4	58
125	A Planetary Nebula around Nova V458 Vulpeculae Undergoing Flash Ionization. <i>Astrophysical Journal</i> , 2008, 688, L21-L24.	4.5	56
126	SDSS J124058.03-015919.2: a new AM CVn star with a 37-min orbital period. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 361, 487-494.	4.4	55

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127	Kinematics of the ultracompact helium accretor AM Canum Venaticorum. Monthly Notices of the Royal Astronomical Society, 2006, 371, 1231-1242.	4.4	55
128	The Galactic distribution of X-ray binaries and its implications for compact object formation and natal kicks. Monthly Notices of the Royal Astronomical Society, 0, , stx027.	4.4	55
129	All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run. Physical Review D, 2019, 100, .	4.7	54
130	THE FORMATION OF THE ECCENTRIC-ORBIT MILLISECOND PULSAR J1903+0327 AND THE ORIGIN OF SINGLE MILLISECOND PULSARS. Astrophysical Journal, 2011, 734, 55.	4.5	53
131	Six detached white-dwarf close binaries. Monthly Notices of the Royal Astronomical Society, 2005, 359, 648-662.	4.4	52
132	Spitzer Reveals Infrared Optically Thin Synchrotron Emission from the Compact Jet of the Neutron Star X-Ray Binary 4U 0614+091. Astrophysical Journal, 2006, 643, L41-L44.	4.5	52
133	DISCOVERY OF A NEW KIND OF EXPLOSIVE X-RAY TRANSIENT NEAR M86. Astrophysical Journal, 2013, 779, 14.	4.5	52
134	THE FORMATION OF CATAclysmic VARIABLES: THE INFLUENCE OF NOVA ERUPTIONS. Astrophysical Journal, 2016, 817, 69.	4.5	52
135	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. Astrophysical Journal, 2017, 841, 89.	4.5	52
136	Search for intermediate mass black hole binaries in the first and second observing runs of the Advanced LIGO and Virgo network. Physical Review D, 2019, 100, .	4.7	52
137	Directional limits on persistent gravitational waves using data from Advanced LIGO's first two observing runs. Physical Review D, 2019, 100, .	4.7	52
138	Detection of the radial velocity curve of the B5-A0 supergiant companion star of Cir X-1?. Monthly Notices of the Royal Astronomical Society, 2007, 374, 999-1005.	4.4	50
139	Single degenerate supernova type Ia progenitors. Astronomy and Astrophysics, 2013, 552, A24.	5.1	50
140	Metallicity of stars formed throughout the cosmic history based on the observational properties of star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5300-5326.	4.4	50
141	Massive donors in interacting binaries: effect of metallicity. Astronomy and Astrophysics, 2020, 638, A55.	5.1	50
142	Cygnus X-3 and the problem of the missing Wolf-Rayet X-ray binaries. Astronomy and Astrophysics, 2005, 443, 231-241.	5.1	49
143	The ESO supernovae type Ia progenitor survey (SPY). Astronomy and Astrophysics, 2020, 638, A131.	5.1	48
144	Arbitrarily Degenerate Helium White Dwarfs as Donors in AM Canum Venaticorum Binaries. Astrophysical Journal, 2005, 624, 934-945.	4.5	47

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145	SDSS J0926+3624: the shortest period eclipsing binary star. Monthly Notices of the Royal Astronomical Society, 2011, 410, 1113-1129.	4.4	47
146	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. Physical Review D, 2015, 91, .	4.7	47
147	First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. Physical Review D, 2017, 96, .	4.7	47
148	The UV-Excess survey of the northern Galactic plane. Monthly Notices of the Royal Astronomical Society, 2009, 399, 323-339.	4.4	46
149	Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data. Astrophysical Journal, 2017, 847, 47.	4.5	46
150	Full band all-sky search for periodic gravitational waves in the O1 LIGO data. Physical Review D, 2018, 97, .	4.7	46
151	Search for gravitational waves from Scorpius X-1 in the second Advanced LIGO observing run with an improved hidden Markov model. Physical Review D, 2019, 100, .	4.7	46
152	Binaries discovered by the SPY project. Astronomy and Astrophysics, 2002, 386, 957-963.	5.1	44
153	SUPPLEMENT: "LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914" (2016, ApJL, 826, L13). Astrophysical Journal, Supplement Series, 2016, 225, 8.	7.7	44
154	All-sky search in early O3 LIGO data for continuous gravitational-wave signals from unknown neutron stars in binary systems. Physical Review D, 2021, 103, .	4.7	43
155	A DEEP RADIO SURVEY OF HARD STATE AND QUIESCENT BLACK HOLE X-RAY BINARIES. Astrophysical Journal Letters, 2011, 739, L18.	8.3	42
156	The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations. Classical and Quantum Gravity, 2014, 31, 115004.	4.0	42
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