

# Pablo Cerdá-Durán

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9237101/publications.pdf>

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155  
papers

33,944  
citations

22153

59  
h-index

7348

152  
g-index

159  
all docs

159  
docs citations

159  
times ranked

13317  
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for intermediate-mass black hole binaries in the third observing run of Advanced LIGO and Advanced Virgo. <i>Astronomy and Astrophysics</i> , 2022, 659, A84.	5.1	32
2	Search for continuous gravitational waves from 20 accreting millisecond x-ray pulsars in O3 LIGO data. <i>Physical Review D</i> , 2022, 105, .	4.7	31
3	Calibration of advanced Virgo and reconstruction of the detector strain $h(t)$ during the observing run O3. <i>Classical and Quantum Gravity</i> , 2022, 39, 045006.	4.0	20
4	Can fermion-boson stars reconcile multimessenger observations of compact stars?. <i>Physical Review D</i> , 2022, 105, .	4.7	17
5	Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO–Virgo Run O3b. <i>Astrophysical Journal</i> , 2022, 928, 186.	4.5	15
6	Search of the early O3 LIGO data for continuous gravitational waves from the Cassiopeia A and Vela Jr. supernova remnants. <i>Physical Review D</i> , 2022, 105, .	4.7	21
7	All-sky, all-frequency directional search for persistent gravitational waves from Advanced LIGO’s and Advanced Virgo’s first three observing runs. <i>Physical Review D</i> , 2022, 105, .	4.7	18
8	Narrowband Searches for Continuous and Long-duration Transient Gravitational Waves from Known Pulsars in the LIGO-Virgo Third Observing Run. <i>Astrophysical Journal</i> , 2022, 932, 133.	4.5	33
9	Computational general relativistic force-free electrodynamics. <i>Astronomy and Astrophysics</i> , 2021, 647, A57.	5.1	8
10	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
11	Inference of protoneutron star properties from gravitational-wave data in core-collapse supernovae. <i>Physical Review D</i> , 2021, 103, .	4.7	25
12	Computational general relativistic force-free electrodynamics. <i>Astronomy and Astrophysics</i> , 2021, 647, A58.	5.1	11
13	All-sky search in early O3 LIGO data for continuous gravitational-wave signals from unknown neutron stars in binary systems. <i>Physical Review D</i> , 2021, 103, .	4.7	43
14	Deep learning for core-collapse supernova detection. <i>Physical Review D</i> , 2021, 103, .	4.7	30
15	Diving below the Spin-down Limit: Constraints on Gravitational Waves from the Energetic Young Pulsar PSR J0537-6910. <i>Astrophysical Journal Letters</i> , 2021, 913, L27.	8.3	32
16	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
17	Deep learning algorithms for gravitational waves core-collapse supernova detection. , 2021, , .		1
18	Observation of Gravitational Waves from Two Neutron Star–Black Hole Coalescences. <i>Astrophysical Journal Letters</i> , 2021, 915, L5.	8.3	453

#	ARTICLE	IF	CITATIONS
19	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
20	Constraints on Cosmic Strings Using Data from the Third Advanced LIGO–Virgo Observing Run. <i>Physical Review Letters</i> , 2021, 126, 241102.	7.8	87
21	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
22	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
23	Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO–Virgo Run O3a. <i>Astrophysical Journal</i> , 2021, 915, 86.	4.5	20
24	Gravitational wave signature of proto-neutron star convection: I. MHD numerical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 3410-3426.	4.4	15
25	All-sky search for continuous gravitational waves from isolated neutron stars in the early O3 LIGO data. <i>Physical Review D</i> , 2021, 104, .	4.7	42
26	Searches for Continuous Gravitational Waves from Young Supernova Remnants in the Early Third Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021, 921, 80.	4.5	39
27	Constraints from LIGO O3 Data on Gravitational-wave Emission Due to R-modes in the Glitching Pulsar PSR J0537–6910. <i>Astrophysical Journal</i> , 2021, 922, 71.	4.5	29
28	All-sky search for long-duration gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2021, 104, .	4.7	19
29	All-sky search for short gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2021, 104, .	4.7	33
30	Very-high-frequency oscillations in the main peak of a magnetar giant flare. <i>Nature</i> , 2021, 600, 621-624.	27.8	20
31	Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGO–Virgo’s Third Observing Run. <i>Astrophysical Journal</i> , 2021, 923, 14.	4.5	59
32	The advanced Virgo longitudinal control system for the O2 observing run. <i>Astroparticle Physics</i> , 2020, 116, 102386.	4.3	9
33	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020, 23, 3.	26.7	447
34	A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. <i>Astrophysical Journal</i> , 2020, 893, 100.	4.5	12
35	GW190521: A Binary Black Hole Merger with a Total Mass of $150 M_{\odot}$ . <i>Physical Review Letters</i> , 2020, 125, 101102.	7.8	836
36	Quantum Backaction on Kg-Scale Mirrors: Observation of Radiation Pressure Noise in the Advanced Virgo Detector. <i>Physical Review Letters</i> , 2020, 125, 131101.	7.8	35

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37	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. <i>Physical Review D</i> , 2020, 102, .	4.7	394
38	Dynamical bar-mode instability in spinning bosonic stars. <i>Physical Review D</i> , 2020, 102, .	4.7	35
39	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
40	GW190425: Observation of a Compact Binary Coalescence with Total Mass $\hat{A}^{1/4} \hat{A} 3.4 M_{\text{sun}}$ . <i>Astrophysical Journal Letters</i> , 2020, 892, L3.	8.3	1,049
41	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
42	A guide to LIGOâ€“Virgo detector noise and extraction of transient gravitational-wave signals. <i>Classical and Quantum Gravity</i> , 2020, 37, 055002.	4.0	188
43	The impact of non-dipolar magnetic fields in core-collapse supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 58-71.	4.4	39
44	Advanced Virgo Status. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012010.	0.4	9
45	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
46	Properties and Astrophysical Implications of the $150 M_{\text{sun}}$ Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , 2020, 900, L13.	8.3	406
47	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2020, 902, L21.	8.3	65
48	Universal Relations for Gravitational-Wave Asteroseismology of Protoneutron Stars. <i>Physical Review Letters</i> , 2019, 123, 051102.	7.8	50
49	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
50	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015â€“2017 LIGO Data. <i>Astrophysical Journal</i> , 2019, 879, 10.	4.5	88
51	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
52	All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2019, 100, .	4.7	54
53	Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , 2019, 123, 011102.	7.8	370
54	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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55	Search for intermediate mass black hole binaries in the first and second observing runs of the Advanced LIGO and Virgo network. <i>Physical Review D</i> , 2019, 100, .	4.7	52
56	Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , 2019, 123, 161102.	7.8	119
57	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
58	Directional limits on persistent gravitational waves using data from Advanced LIGO's first two observing runs. <i>Physical Review D</i> , 2019, 100, .	4.7	52
59	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
60	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
61	Instability of twisted magnetar magnetospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4858-4876.	4.4	14
62	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
63	Black holes, gravitational waves and fundamental physics: a roadmap. <i>Classical and Quantum Gravity</i> , 2019, 36, 143001.	4.0	451
64	All-sky search for long-duration gravitational-wave transients in the second Advanced LIGO observing run. <i>Physical Review D</i> , 2019, 99, .	4.7	22
65	Towards asteroseismology of core-collapse supernovae with gravitational wave observations – II. Inclusion of space-time perturbations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 3967-3988.	4.4	53
66	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. <i>Astrophysical Journal</i> , 2019, 870, 134.	4.5	32
67	A Fermi Gamma-Ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-wave Candidates in Advanced LIGO's First Observing Run. <i>Astrophysical Journal</i> , 2019, 871, 90.	4.5	30
68	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
69	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
70	First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary Black-hole Merger GW170814. <i>Astrophysical Journal Letters</i> , 2019, 876, L7.	8.3	179
71	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
72	Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGO's Second Observing Run. <i>Astrophysical Journal</i> , 2019, 874, 163.	4.5	26

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73	Constraining the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \text{-Mode} \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \text{g} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \text{-Mode}$ Tidal Instability with GW170817. <i>Physical Review Letters</i> , 2019, 122, 061104.	7.8	36
74	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
75	Nonlinear Dynamics of Spinning Bosonic Stars: Formation and Stability. <i>Physical Review Letters</i> , 2019, 123, 221101.	7.8	82
76	Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. <i>Physical Review Letters</i> , 2019, 123, 231108.	7.8	254
77	Search for Gravitational-wave Signals Associated with Gamma-Ray Bursts during the Second Observing Run of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal</i> , 2019, 886, 75.	4.5	29
78	Search for gravitational waves from Scorpius X-1 in the second Advanced LIGO observing run with an improved hidden Markov model. <i>Physical Review D</i> , 2019, 100, .	4.7	46
79	Properties of the Binary Neutron Star Merger GW170817. <i>Physical Review X</i> , 2019, 9, .	8.9	728
80	Ocular biometric changes with different accommodative stimuli using swept-source optical coherence tomography. <i>International Ophthalmology</i> , 2019, 39, 303-310.	1.4	9
81	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. <i>Physical Review Letters</i> , 2018, 120, 091101.	7.8	166
82	Constraining properties of high-density matter in neutron stars with magneto-elastic oscillations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 4199-4212.	4.4	22
83	Towards asteroseismology of core-collapse supernovae with gravitational-wave observations $\hat{\epsilon}$ l. Cowling approximation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 5272-5286.	4.4	54
84	Crust $\hat{\epsilon}$ magnetosphere coupling during magnetar evolution and implications for the surface temperature. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5331-5338.	4.4	27
85	Neutron Stars Formation and Core Collapse Supernovae. <i>Astrophysics and Space Science Library</i> , 2018, , 1-56.	2.7	10
86	New method to observe gravitational waves emitted by core collapse supernovae. <i>Physical Review D</i> , 2018, 98, .	4.7	44
87	Time-domain effective-one-body gravitational waveforms for coalescing compact binaries with nonprecessing spins, tides, and self-spin effects. <i>Physical Review D</i> , 2018, 98, .	4.7	168
88	Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2018, 121, 231103.	7.8	77
89	Numerically solving the relativistic Grad $\hat{\epsilon}$ Shafranov equation in Kerr spacetimes: numerical techniques. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 3927-3944.	4.4	19
90	GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , 2018, 121, 161101.	7.8	1,473

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91	Calibration of advanced Virgo and reconstruction of the gravitational wave signal $h(t)$ ( $t$ ) Tj ETQq1 1 0.784314 rgBT /Overlo 4.0 41	4.0	41
92	Status of Advanced Virgo. EPJ Web of Conferences, 2018, 182, 02003.	0.3	9
93	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. Physical Review Letters, 2018, 120, 201102.	7.8	85
94	Full band all-sky search for periodic gravitational waves in the O1 LIGO data. Physical Review D, 2018, 97, .	4.7	46
95	The force-free twisted magnetosphere of a neutron star $\hat{e} = \hat{e}^{\text{all}}$ . Degeneracies of the Grad $\hat{e}$ "Shafranov equation. Monthly Notices of the Royal Astronomical Society, 2018, 474, 625-635.	4.4	15
96	On the equivalence between the Scheduled Relaxation Jacobi method and Richardson's non-stationary method. Journal of Computational Physics, 2017, 332, 446-460.	3.8	13
97	On the Measurements of Numerical Viscosity and Resistivity in Eulerian MHD Codes. Astrophysical Journal, Supplement Series, 2017, 230, 18.	7.7	25
98	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101.	7.8	1,600
99	Ocular anatomic changes for different accommodative demands using swept-source optical coherence tomography: a pilot study. Graefe's Archive for Clinical and Experimental Ophthalmology, 2017, 255, 2399-2406.	1.9	9
100	A gravitational-wave standard siren measurement of the Hubble constant. Nature, 2017, 551, 85-88.	27.8	674
101	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. Physical Review Letters, 2017, 119, 161101.	7.8	6,413
102	Multi-messenger Observations of a Binary Neutron Star Merger $\langle \sup \rangle$ . Astrophysical Journal Letters, 2017, 848, L12.	8.3	2,805
103	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. Astrophysical Journal Letters, 2017, 848, L13.	8.3	2,314
104	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 851, L16.	8.3	189
105	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. Astrophysical Journal Letters, 2017, 850, L39.	8.3	156
106	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. Astrophysical Journal Letters, 2017, 850, L35.	8.3	135
107	First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. Physical Review D, 2017, 96, .	4.7	47
108	On the Progenitor of Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 850, L40.	8.3	73

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109	CW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017, 851, L35.	8.3	968
110	Long-term evolution of the force-free twisted magnetosphere of a magnetar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 3914-3923.	4.4	19
111	Magneto-elastic oscillations modulating the emission of magnetars. <i>Astronomische Nachrichten</i> , 2017, 338, 1105-1108.	1.2	2
112	Estimation of the mechanical properties of the eye through the study of its vibrational modes. <i>PLoS ONE</i> , 2017, 12, e0183892.	2.5	21
113	How to form a millisecond magnetar? Magnetic field amplification in protoneutron stars. <i>Proceedings of the International Astronomical Union</i> , 2017, 12, 119-124.	0.0	2
114	Magnetorotational Instability in Core-Collapse Supernovae. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2017, 10, 361.	0.1	2
115	Termination of the MRI via parasitic instabilities in core-collapse supernovae: influence of numerical methods. <i>Journal of Physics: Conference Series</i> , 2016, 719, 012009.	0.4	4
116	Coherent magneto-elastic oscillations in superfluid magnetars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 4242-4257.	4.4	18
117	XIPE: the x-ray imaging polarimetry explorer. , 2016, , .		16
118	Are pulsars born with a hidden magnetic field?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 3813-3826.	4.4	30
119	The force-free twisted magnetosphere of a neutron star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 1894-1909.	4.4	23
120	The LOFT mission concept: a status update. <i>Proceedings of SPIE</i> , 2016, , .	0.8	9
121	Termination of the magnetorotational instability via parasitic instabilities in core-collapse supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 3782-3802.	4.4	37
122	On the maximum magnetic field amplification by the magnetorotational instability in core-collapse supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 3316-3334.	4.4	46
123	Scheduled Relaxation Jacobi method: Improvements and applications. <i>Journal of Computational Physics</i> , 2016, 321, 369-413.	3.8	33
124	Efficient magnetic-field amplification due to the Kelvin-Helmholtz instability in binary neutron star mergers. <i>Physical Review D</i> , 2015, 92, .	4.7	165
125	Fallback accretion onto magnetized neutron stars and the hidden magnetic field model. <i>Journal of Physics: Conference Series</i> , 2015, 600, 012057.	0.4	0
126	Spanish Relativity Meeting (ERE 2014): almost 100 years after Einstein's revolution. <i>Journal of Physics: Conference Series</i> , 2015, 600, 011001.	0.4	0



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127	Modulating magnetar emission by magnetoelastic oscillations. <i>Astronomische Nachrichten</i> , 2014, 335, 240-245.	1.2	3
128	The Large Observatory for x-ray timing. <i>Proceedings of SPIE</i> , 2014, , .	0.8	10
129	Modulating the magnetosphere of magnetars by internal magneto-elastic oscillations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 1416-1424.	4.4	19
130	Partially Implicit Runge-Kutta Methods for Wave-Like Equations. <i>SEMA SIMAI Springer Series</i> , 2014, , 267-278.	0.7	2
131	The transient gravitational-wave sky. <i>Classical and Quantum Gravity</i> , 2013, 30, 193002.	4.0	40
132	Magneto-elastic oscillations of neutron stars: exploring different magnetic field configurations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 1811-1831.	4.4	56
133	GRAVITATIONAL WAVE SIGNATURES IN BLACK HOLE FORMING CORE COLLAPSE. <i>Astrophysical Journal Letters</i> , 2013, 779, L18.	8.3	72
134	Imprints of Superfluidity on Magnetoelastic Quasiperiodic Oscillations of Soft Gamma-Ray Repeaters. <i>Physical Review Letters</i> , 2013, 111, 211102.	7.8	30
135	Gravitational waves in dynamical spacetimes with matter content in the fully constrained formulation. <i>Physical Review D</i> , 2012, 85, .	4.7	16
136	Magnetoelastic oscillations of neutron stars with dipolar magnetic fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 2054-2078.	4.4	74
137	Relativistic MHD simulations of stellar core collapse and magnetars. <i>Journal of Physics: Conference Series</i> , 2011, 283, 012011.	0.4	0
138	Gravitational waves in Fully Constrained Formulation in a dynamical spacetime with matter content. <i>Journal of Physics: Conference Series</i> , 2011, 314, 012078.	0.4	1
139	Hydromagnetic instabilities and magnetic field amplification in core collapse supernovae. <i>Journal of Physics: Conference Series</i> , 2011, 314, 012079.	0.4	2
140	Magneto-elastic oscillations and the damping of crustal shear modes in magnetars. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2011, 410, L37-L41.	3.3	70
141	Magneto-elastic torsional oscillations of magnetars. <i>Journal of Physics: Conference Series</i> , 2011, 283, 012013.	0.4	2
142	Dynamical spacetimes and gravitational radiation in a Fully Constrained Formulation. <i>Journal of Physics: Conference Series</i> , 2010, 228, 012055.	0.4	6
143	High-order methods for the simulation of hydromagnetic instabilities in core-collapse supernovae. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 479-481.	0.0	0
144	Numerical viscosity in hydrodynamics simulations in general relativity. <i>Classical and Quantum Gravity</i> , 2010, 27, 205012.	4.0	6

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145	Alfvén QPOs in magnetars in the anelastic approximation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 397, 1607-1620.	4.4	58
146	Improved constrained scheme for the Einstein equations: An approach to the uniqueness issue. <i>Physical Review D</i> , 2009, 79, .	4.7	112
147	Semi-global simulations of the magneto-rotational instability in core collapse supernovae. <i>Astronomy and Astrophysics</i> , 2009, 498, 241-271.	5.1	132
148	A new general relativistic magnetohydrodynamics code for dynamical spacetimes. <i>Astronomy and Astrophysics</i> , 2008, 492, 937-953.	5.1	60
149	Towards relativistic simulations of magneto-rotational core collapse. <i>Classical and Quantum Gravity</i> , 2007, 24, S155-S169.	4.0	5
150	General relativistic simulations of passive-magneto-rotational core collapse with microphysics. <i>Astronomy and Astrophysics</i> , 2007, 474, 169-191.	5.1	58
151	AMR simulations of the low bar-mode instability of neutron stars. <i>Computer Physics Communications</i> , 2007, 177, 288-297.	7.5	26
152	Cosmic Microwave Background Maps Lensed by Cosmological Structures: Simulations and Statistical Analysis. <i>Astrophysical Journal</i> , 2005, 628, 1-13.	4.5	8
153	CFC+: improved dynamics and gravitational waveforms from relativistic core collapse simulations. <i>Astronomy and Astrophysics</i> , 2005, 439, 1033-1055.	5.1	40
154	Non-Gaussian signatures in the lens deformations of the CMB Sky: A new ray-tracing procedure. <i>Physical Review D</i> , 2004, 69, .	4.7	3
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