

# Isabel Cordero-Carriñán

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3346131/publications.pdf>

Version: 2024-02-01

85  
papers

29,037  
citations

50276

46  
h-index

66911

78  
g-index

85  
all docs

85  
docs citations

85  
times ranked

12773  
citing authors

#	ARTICLE	IF	CITATIONS
1	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
2	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	4.5	144
3	Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog. Physical Review D, 2021, 103, .	4.7	338
4	GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run. Physical Review X, 2021, 11, .	8.9	1,097
5	Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO-Virgo Run O3a. Astrophysical Journal, 2021, 915, 86.	4.5	20
6	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	26.7	447
7	A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. Astrophysical Journal, 2020, 893, 100.	4.5	12
8	GW190521: A Binary Black Hole Merger with a Total Mass of $150 M_{\odot}$ . Physical Review Letters, 2020, 125, 101102.	8.3	1,090
9	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. Physical Review D, 2020, 102, .	4.7	394
10	A Spatial-Temporal Model for the Evolution of the COVID-19 Pandemic in Spain Including Mobility. Mathematics, 2020, 8, 1677.	2.2	26
11	General parametrization of Majorana neutrino mass models. Physical Review D, 2020, 101, .	4.7	36
12	GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object. Astrophysical Journal Letters, 2020, 896, L44.	8.3	1,090
13	GW190425: Observation of a Compact Binary Coalescence with Total Mass $\sim 4.4 M_{\odot}$ . Astrophysical Journal Letters, 2020, 892, L3.	8.3	1,049
14	Model comparison from LIGO-Virgo data on GW170817's binary components and consequences for the merger remnant. Classical and Quantum Gravity, 2020, 37, 045006.	4.0	109
15	A guide to LIGO-Virgo detector noise and extraction of transient gravitational-wave signals. Classical and Quantum Gravity, 2020, 37, 055002.	4.0	188
16	Optically targeted search for gravitational waves emitted by core-collapse supernovae during the first and second observing runs of advanced LIGO and advanced Virgo. Physical Review D, 2020, 101, .	4.7	69
17	Properties and Astrophysical Implications of the $150 M_{\odot}$ Binary Black Hole Merger GW190521. Astrophysical Journal Letters, 2020, 900, L13.	8.3	406
18	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. Astrophysical Journal Letters, 2020, 902, L21.	8.3	65

#	ARTICLE	IF	CITATIONS
19	Master Majorana neutrino mass parametrization. <i>Physical Review D</i> , 2019, 99, .	4.7	26
20	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
21	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
22	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
23	Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , 2019, 123, 011102.	7.8	370
24	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
25	Search for Substellar Mass Ultracompact Binaries in Advanced LIGOâ€™s Second Observing Run. <i>Physical Review Letters</i> , 2019, 123, 161102.	7.8	119
26	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
27	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
28	Search for the isotropic stochastic background using data from Advanced LIGOâ€™s second observing run. <i>Physical Review D</i> , 2019, 100, .	4.7	200
29	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
30	Black holes, gravitational waves and fundamental physics: a roadmap. <i>Classical and Quantum Gravity</i> , 2019, 36, 143001.	4.0	451
31	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
32	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
33	Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO<sup>*</sup>. <i>Astrophysical Journal</i> , 2019, 875, 122.	4.5	61
34	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
35	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
36	Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGOâ€™s Second Observing Run. <i>Astrophysical Journal</i> , 2019, 874, 163.	4.5	26

#	ARTICLE	IF	CITATIONS
37	Constraining the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Mode Tidal Instability with GW170817. <i>Physical Review Letters</i> , 2019, 122, 061104.	7.8	36
38	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
39	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
40	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
41	Properties of the Binary Neutron Star Merger GW170817. <i>Physical Review X</i> , 2019, 9, .	8.9	728
42	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. <i>Physical Review Letters</i> , 2018, 120, 091101.	7.8	166
43	Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2018, 121, 231103.	7.8	77
44	GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , 2018, 121, 161101.	7.8	1,473
45	Calibration of advanced Virgo and reconstruction of the gravitational wave signal $\langle i \rangle h \langle /i \rangle ( \langle i \rangle t \langle /i \rangle )$ Tj ETQq1 1 0.784314 $\text{rg}_{\text{BT}} / \text{Over}$ 4.0 41	4.0	41
46	Status of Advanced Virgo. <i>EPJ Web of Conferences</i> , 2018, 182, 02003.	0.3	9
47	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , 2018, 120, 201102.	7.8	85
48	Full band all-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , 2018, 97, .	4.7	46
49	On the equivalence between the Scheduled Relaxation Jacobi method and Richardson's non-stationary method. <i>Journal of Computational Physics</i> , 2017, 332, 446-460.	3.8	13
50	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. <i>Physical Review Letters</i> , 2017, 119, 141101.	7.8	1,600
51	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , 2017, 119, 161101.	7.8	6,413
52	Multi-messenger Observations of a Binary Neutron Star Merger <sup>*</sup> . <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	8.3	2,805
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L39.	8.3	156
56	First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. <i>Physical Review D</i> , 2017, 96, .	4.7	47
57	On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L40.	8.3	73
58	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017, 851, L35.	8.3	968
59	Minimally implicit Runge-Kutta methods for Resistive Relativistic MHD. <i>Journal of Physics: Conference Series</i> , 2016, 719, 012015.	0.4	2
60	Nonlinear cosmological spherical collapse of quintessence. <i>Physical Review D</i> , 2016, 93, .	4.7	8
61	Scheduled Relaxation Jacobi method: Improvements and applications. <i>Journal of Computational Physics</i> , 2016, 321, 369-413.	3.8	33
62	Excision technique in constrained formulations of Einstein equations: collapse scenario. <i>Journal of Physics: Conference Series</i> , 2015, 600, 012059.	0.4	0
63	Spherically Symmetric solutions on a cosmological dynamical background with BSSN equations. <i>Journal of Physics: Conference Series</i> , 2015, 600, 012062.	0.4	1
64	Fully relativistic non-linear cosmological evolution in spherical symmetry using the BSSN formalism. <i>Physical Review D</i> , 2015, 91, .	4.7	12
65	On the convexity of relativistic ideal magnetohydrodynamics. <i>Classical and Quantum Gravity</i> , 2015, 32, 095007.	4.0	8
66	Excision scheme for black holes in constrained evolution formulations: Spherically symmetric case. <i>Physical Review D</i> , 2014, 90, .	4.7	3
67	Partially Implicit Runge-Kutta Methods for Wave-Like Equations. <i>SEMA SIMAI Springer Series</i> , 2014, , 267-278.	0.7	2
68	BSSN Equations in Spherical Coordinates Without Regularization. <i>Springer Proceedings in Mathematics and Statistics</i> , 2014, , 205-209.	0.2	0
69	On the convexity of relativistic hydrodynamics. <i>Classical and Quantum Gravity</i> , 2013, 30, 057002.	4.0	32
70	Numerical relativity in spherical polar coordinates: Evolution calculations with the BSSN formulation. <i>Physical Review D</i> , 2013, 87, .	4.7	57
71	BSSN equations in spherical coordinates without regularization: spherically symmetric spacetimes. <i>Journal of Physics: Conference Series</i> , 2013, 454, 012002.	0.4	1
72	On numerical relativistic hydrodynamics and barotropic equations of state. <i>Classical and Quantum Gravity</i> , 2012, 29, 157001.	4.0	22

#	ARTICLE	IF	CITATIONS
73	Characteristic structure of the resistive relativistic magnetohydrodynamic equations. , 2012, , .		1
74	Gravitational waves in dynamical spacetimes with matter content in the fully constrained formulation. Physical Review D, 2012, 85, .	4.7	16
75	BSSN equations in spherical coordinates without regularization: Vacuum and nonvacuum spherically symmetric spacetimes. Physical Review D, 2012, 85, .	4.7	54
76	Partially implicit high order Runge-Kutta methods for wave-like equations in spherical-type coordinates. , 2012, , 211-217.		3
77	UNIQUENESS ISSUE IN A CONSTRAINED SCHEME FOR THE EINSTEIN EQUATIONS. , 2012, , .		0
78	Maximal slicings in spherical symmetry: Local existence and construction. Journal of Mathematical Physics, 2011, 52, .	1.1	6
79	Gravitational waves in Fully Constrained Formulation in a dynamical spacetime with matter content. Journal of Physics: Conference Series, 2011, 314, 012078.	0.4	1
80	Dynamical spacetimes and gravitational radiation in a Fully Constrained Formulation. Journal of Physics: Conference Series, 2010, 228, 012055.	0.4	6
81	On the local existence of maximal slicings in spherically symmetric spacetimes. Journal of Physics: Conference Series, 2010, 229, 012029.	0.4	0
82	Improved constrained scheme for the Einstein equations: An approach to the uniqueness issue. Physical Review D, 2009, 79, .	4.7	112
83	Trapping horizons as inner boundary conditions for black hole spacetimes. Physical Review D, 2008, 77, .	4.7	15
84	Mathematical issues in a fully constrained formulation of the Einstein equations. Physical Review D, 2008, 77, .	4.7	51
85	Analysis of the Characteristics in the Meudon Constrained Evolution Scheme. Journal of Physics: Conference Series, 2007, 66, 012046.	0.4	1