

Andrea Sylvia Biscoveanu

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

29,090
citations

94433

37
h-index

149698

56
g-index

57
all docs

57
docs citations

57
times ranked

12534
citing authors

#	ARTICLE	IF	CITATIONS
1	Hints of Spin-Orbit Resonances in the Binary Black Hole Population. <i>Physical Review Letters</i> , 2022, 128, 031101.	7.8	13
2	Measuring binary black hole orbital-plane spin orientations. <i>Physical Review D</i> , 2022, 105, .	4.7	14
3	The effect of spin mismodelling on gravitational-wave measurements of the binary neutron star mass distribution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 4350-4359.	4.4	5
4	An Infrared Search for Kilonovae with the WINTER Telescope. I. Binary Neutron Star Mergers. <i>Astrophysical Journal</i> , 2022, 926, 152.	4.5	10
5	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .	6.6	20
6	Evidence of Large Recoil Velocity from a Black Hole Merger Signal. <i>Physical Review Letters</i> , 2022, 128, .	7.8	26
7	The Binary Black Hole Spin Distribution Likely Broadens with Redshift. <i>Astrophysical Journal Letters</i> , 2022, 932, L19.	8.3	24
8	Statistical and systematic uncertainties in extracting the source properties of neutron star-black hole binaries with gravitational waves. <i>Physical Review D</i> , 2021, 103, .	4.7	12
9	New Spin on LIGO-Virgo Binary Black Holes. <i>Physical Review Letters</i> , 2021, 126, 171103.	7.8	23
10	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
11	Observation of Gravitational Waves from Two Neutron Star-Black Hole Coalescences. <i>Astrophysical Journal Letters</i> , 2021, 915, L5.	8.3	453
12	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
13	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
14	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
15	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
16	Inference with finite time series: Observing the gravitational Universe through windows. <i>Physical Review Research</i> , 2021, 3, .	3.6	14
17	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
18	Measuring the spins of heavy binary black holes. <i>Physical Review D</i> , 2021, 104, .	4.7	18

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19	Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGOâ€™s Third Observing Run. <i>Astrophysical Journal</i> , 2021, 923, 14.	4.5	59
20	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
21	GW190521: A Binary Black Hole Merger with a Total Mass of $150 M_{\odot}$. <i>Physical Review Letters</i> , 2020, 125, 101102.	7.8	38
22	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. <i>Physical Review D</i> , 2020, 102, .	4.7	394
23	Measuring the Primordial Gravitational-Wave Background in the Presence of Astrophysical Foregrounds. <i>Physical Review Letters</i> , 2020, 125, 241101.	7.8	38
24	Bayesian inference for compact binary coalescences with <code>bilby</code> : validation and application to the first LIGOâ€™s Virgo gravitational-wave transient catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3295-3319.	4.4	213
25	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
26	GW190425: Observation of a Compact Binary Coalescence with Total Mass $3.4 M_{\odot}$. <i>Astrophysical Journal Letters</i> , 2020, 892, L3.	8.3	1,049
27	Extracting the Gravitational Recoil from Black Hole Merger Signals. <i>Physical Review Letters</i> , 2020, 124, 101104.	7.8	40
28	Model comparison from LIGOâ€™s 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
29	A guide to LIGOâ€™s Virgo detector noise and extraction of transient gravitational-wave signals. <i>Classical and Quantum Gravity</i> , 2020, 37, 055002.	4.0	188
30	Quantifying the effect of power spectral density uncertainty on gravitational-wave parameter estimation for compact binary sources. <i>Physical Review D</i> , 2020, 102, .	4.7	28
31	Constraining Short Gamma-Ray Burst Jet Properties with Gravitational Waves and Gamma-Rays. <i>Astrophysical Journal</i> , 2020, 893, 38.	4.5	21
32	Constraining the Delay Time Distribution of Compact Binary Objects from the Stochastic Gravitational-wave Background Searches. <i>Astrophysical Journal</i> , 2020, 901, 137.	4.5	8
33	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
34	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
35	Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , 2019, 123, 011102.	7.8	370
36	The Reliability of the Low-latency Estimation of Binary Neutron Star Chirp Mass. <i>Astrophysical Journal Letters</i> , 2019, 884, L32.	8.3	18

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37	Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , 2019, 123, 161102.	7.8	119
38	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
39	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
40	Bilby: A User-friendly Bayesian Inference Library for Gravitational-wave Astronomy. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 27.	7.7	526
41	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
42	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
43	Properties of the Binary Neutron Star Merger GW170817. <i>Physical Review X</i> , 2019, 9, .	8.9	728
44	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. <i>Physical Review Letters</i> , 2018, 120, 091101.	7.8	166
45	Identification and mitigation of narrow spectral artifacts that degrade searches for persistent gravitational waves in the first two observing runs of Advanced LIGO. <i>Physical Review D</i> , 2018, 97, .	4.7	104
46	Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2018, 121, 231103.	7.8	77
47	GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , 2018, 121, 161101.	7.8	1,473
48	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , 2018, 120, 201102.	7.8	85
49	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
50	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , 2017, 119, 161101.	7.8	6,413
51	Multi-messenger Observations of a Binary Neutron Star Merger [*] . <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	8.3	2,805
52	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
53	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
54	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L39.	8.3	156

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55	On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L40.	8.3	73
56	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017, 851, L35.	8.3	968
57	Characterizing gravitational-wave sources with likelihood reweighting. <i>Nature Reviews Physics</i> , 0, , .	26.6	0