

Gianfranco Bertone

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

5,625
citations

236612

25
h-index

414034

32
g-index

32
all docs

32
docs citations

32
times ranked

8931
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of mission duration on LISA science objectives. <i>General Relativity and Gravitation</i> , 2022, 54, 3.	0.7	24
2	Measuring the dark matter environments of black hole binaries with gravitational waves. <i>Physical Review D</i> , 2022, 105, .	1.6	29
3	Sharp Signals of Boson Clouds in Black Hole Binary Inspirals. <i>Physical Review Letters</i> , 2022, 128, .	2.9	23
4	Ionization of gravitational atoms. <i>Physical Review D</i> , 2022, 105, .	1.6	30
5	New horizons for fundamental physics with LISA. <i>Living Reviews in Relativity</i> , 2022, 25, .	8.2	82
6	Evidence of a population of dark subhaloes from <i>Gaia</i> and Pan-STARRS observations of the GD-1 stream. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 2364-2380.	1.6	47
7	Multiwavelength detectability of isolated black holes in the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4036-4047.	1.6	5
8	Towards constraining warm dark matter with stellar streams through neural simulation-based inference. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 1999-2011.	1.6	8
9	Detecting dark matter around black holes with gravitational waves: Effects of dark-matter dynamics on the gravitational waveform. <i>Physical Review D</i> , 2020, 102, .	1.6	63
10	Gravitational wave probes of dark matter: challenges and opportunities. <i>SciPost Physics Core</i> , 2020, 3, .	0.9	52
11	Multi-wavelength astronomical searches for primordial black holes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 026-026.	1.9	44
12	Black holes, gravitational waves and fundamental physics: a roadmap. <i>Classical and Quantum Gravity</i> , 2019, 36, 143001.	1.5	451
13	Primordial black holes as silver bullets for new physics at the weak scale. <i>Physical Review D</i> , 2019, 100, .	1.6	25
14	Identifying WIMP dark matter from particle and astroparticle data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 026-026.	1.9	31
15	Probing the nature of dark matter particles with stellar streams. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 061-061.	1.9	41
16	A new era in the search for dark matter. <i>Nature</i> , 2018, 562, 51-56.	13.7	259
17	Merger rate of a subdominant population of primordial black holes. <i>Physical Review D</i> , 2018, 98, .	1.6	83
18	Searching for Primordial Black Holes in the Radio and X-Ray Sky. <i>Physical Review Letters</i> , 2017, 118, 241101.	2.9	114

#	ARTICLE	IF	CITATIONS
19	Effective field theory of dark matter: a global analysis. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	24
20	Dark matter subhalos and unidentified sources in the Fermi 3FGL source catalog. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 028-028.	1.9	30
21	Global analysis of the pMSSM in light of the Fermi GeV excess: prospects for the LHC Run-II and astroparticle experiments. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 037-037.	1.9	48
22	No WIMP mini-spikes in dwarf spheroidal galaxies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 004-004.	1.9	12
23	A realistic assessment of the CTA sensitivity to dark matter annihilation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 055-055.	1.9	100
24	LHC and dark matter phenomenology of the NUGHM. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	4
25	Global fits of the cMSSM including the first LHC and XENON100 data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 015-015.	1.9	53
26	Fundamental statistical limitations of future dark matter direct detection experiments. <i>Physical Review D</i> , 2012, 86, .	1.6	38
27	The moment of truth for WIMP dark matter. <i>Nature</i> , 2010, 468, 389-393.	13.7	117
28	Collisionally regenerated dark matter structures in galactic nuclei. <i>Physical Review D</i> , 2007, 75, .	1.6	46
29	Prospects for detecting dark matter with neutrino telescopes in intermediate mass black hole scenarios. <i>Physical Review D</i> , 2006, 73, .	1.6	32
30	Particle dark matter: evidence, candidates and constraints. <i>Physics Reports</i> , 2005, 405, 279-390.	10.3	3,454
31	New signature of dark matter annihilations: Gamma rays from intermediate-mass black holes. <i>Physical Review D</i> , 2005, 72, .	1.6	132
32	Time-dependent models for dark matter at the galactic center. <i>Physical Review D</i> , 2005, 72, .	1.6	124