

Daniel G Figueroa

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

3,200
citations

201674

27
h-index

223800

46
g-index

48
all docs

48
docs citations

48
times ranked

1636
citing authors

#	ARTICLE	IF	CITATIONS
1	Cosmological backgrounds of gravitational waves. <i>Classical and Quantum Gravity</i> , 2018, 35, 163001.	4.0	490
2	Preheating in the standard model with the Higgs inflaton coupled to gravity. <i>Physical Review D</i> , 2009, 79, .	4.7	280
3	Science with the space-based interferometer LISA. IV: probing inflation with gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 026-026.	5.4	256
4	Gravitational wave background from reheating after hybrid inflation. <i>Physical Review D</i> , 2008, 77, .	4.7	185
5	Stochastic Background of Gravitational Waves from Hybrid Preheating. <i>Physical Review Letters</i> , 2007, 98, 061302.	7.8	179
6	Probing the gravitational wave background from cosmic strings with LISA. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 034-034.	5.4	164
7	Reconstructing the spectral shape of a stochastic gravitational wave background with LISA. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 017-017.	5.4	149
8	The First Three Seconds: a Review of Possible Expansion Histories of the Early Universe. <i>The Open Journal of Astrophysics</i> , 2021, 4, .	2.8	117
9	Challenges and opportunities of gravitational-wave searches at MHz to GHz frequencies. <i>Living Reviews in Relativity</i> , 2021, 24, 1.	26.7	105
10	Gravitational waves from Abelian gauge fields and cosmic strings at preheating. <i>Physical Review D</i> , 2010, 82, .	4.7	100
11	Exact Scale-Invariant Background of Gravitational Waves from Cosmic Defects. <i>Physical Review Letters</i> , 2013, 110, 101302.	7.8	89
12	Decay of the standard model Higgs field after inflation. <i>Physical Review D</i> , 2015, 92, .	4.7	66
13	Gravitational waves from self-ordering scalar fields. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 005-005.	5.4	61
14	Lattice formulation of axion inflation. Application to preheating. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 002-002.	5.4	61
15	Probing non-Gaussian stochastic gravitational wave backgrounds with LISA. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 034-034.	5.4	59
16	Non-Gaussian Tail of the Curvature Perturbation in Stochastic Ultraslow-Roll Inflation: Implications for Primordial Black Hole Production. <i>Physical Review Letters</i> , 2021, 127, 101302.	7.8	58
17	Anisotropies in the Gravitational Wave Background from Preheating. <i>Physical Review Letters</i> , 2013, 111, 011301.	7.8	55
18	Gravitational wave production from preheating: parameter dependence. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 057-057.	5.4	55

#	ARTICLE	IF	CITATIONS
19	Ability of LIGO and LISA to probe the equation of state of the early Universe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 011-011.	5.4	50
20	Parametric resonance in the early Universe—a fitting analysis. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 001-001.	5.4	47
21	The Standard Model Higgs as the origin of the hot Big Bang. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 767, 272-277.	4.1	40
22	On the anisotropy of the gravitational wave background from massless preheating. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 047-047.	5.4	35
23	On the transverse-traceless projection in lattice simulations of gravitational wave production. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 015-015.	5.4	32
24	Stochastic background of gravitational waves from fermions — Theory and applications. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	32
25	Gravitational wave production from the decay of the standard model Higgs field after inflation. <i>Physical Review D</i> , 2016, 93, .	4.7	32
26	The art of simulating the early universe. Part I. Integration techniques and canonical cases. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 035.	5.4	30
27	Curvaton decay by resonant production of the Standard Model higgs. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 040-040.	5.4	28
28	A gravitational wave background from the decay of the standard model Higgs after inflation. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	27
29	Implications of stochastic effects for primordial black hole production in ultra-slow-roll inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 027.	5.4	26
30	Higgs field-curvature coupling and postinflationary vacuum instability. <i>Physical Review D</i> , 2018, 98, .	4.7	25
31	Inconsistency of an inflationary sector coupled only to Einstein gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 050-050.	5.4	25
32	Irreducible background of gravitational waves from a cosmic defect network: Update and comparison of numerical techniques. <i>Physical Review D</i> , 2020, 102, .	4.7	25
33	Lattice implementation of Abelian gauge theories with Chern—Simons number and an axion field. <i>Nuclear Physics B</i> , 2018, 926, 544-569.	2.5	24
34	Preheating the Universe from the Standard Model Higgs. <i>AIP Conference Proceedings</i> , 2010, , .	0.4	23
35	The local B-polarization of the CMB: A very sensitive probe of cosmic defects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 695, 26-29.	4.1	22
36	Energy distribution and equation of state of the early Universe: Matching the end of inflation and the onset of radiation domination. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 811, 135888.	4.1	21

#	ARTICLE	IF	CITATIONS
37	Stochastic background of gravitational waves from fermions. <i>Physical Review D</i> , 2012, 86, .	4.7	20
38	Fluctuations along supersymmetric flat directions during inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 053-053.	5.4	19
39	Chiral charge dynamics in Abelian gauge theories at finite temperature. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	19
40	Non-Gaussianity from self-ordering scalar fields. <i>Physical Review D</i> , 2010, 81, .	4.7	18
41	Anomalous non-conservation of fermion/chiral number in Abelian gauge theories at finite temperature. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	16
42	Can self-ordering scalar fields explain the BICEP2 B-mode signal?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 029-029.	5.4	13
43	Cosmic microwave background temperature and polarization anisotropies from the large-Nlimit of global defects. <i>Physical Review D</i> , 2014, 89, .	4.7	9
44	Characterizing the postinflationary reheating history: Single daughter field with quadratic-quadratic interaction. <i>Physical Review D</i> , 2022, 105, .	4.7	8
45	Improved cosmological parameter constraints from CMB and $H(z)$ data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 038.	5.4	4
46	Stochastic Gravitational Wave Backgrounds of Cosmological Origin. , 2022, , 1041-1094.		0