Daniel G Figueroa

List of Publications by Year
in descending order

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	Characterizing the postinflationary reheating history: Single daughter field with quadratic-quadratic interaction. Physical Review D, 2022, 105, .	4.7	8
2	Implications of stochastic effects for primordial black hole production in ultra-slow-roll inflation. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 027.	5.4	26
3	Stochastic Gravitational Wave Backgrounds of Cosmological Origin. , 2022, , 1041-1094.		0
4	The First Three Seconds: a Review of Possible Expansion Histories of the Early Universe. The Open Journal of Astrophysics, 2021, 4, .	2.8	117
5	The art of simulating the early universe. Part I. Integration techniques and canonical cases. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 035.	5.4	30
6	Non-Gaussian Tail of the Curvature Perturbation in Stochastic Ultraslow-Roll Inflation: Implications for Primordial Black Hole Production. Physical Review Letters, 2021, 127, 101302.	7.8	58
7	Challenges and opportunities of gravitational-wave searches at MHz to GHz frequencies. Living Reviews in Relativity, 2021, 24, 1.	26.7	105
8	Energy distribution and equation of state of the early Universe: Matching the end of inflation and the onset of radiation domination. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135888.	4.1	21
9	Irreducible background of gravitational waves from a cosmic defect network: Update and comparison of numerical techniques. Physical Review D, 2020, 102, .	4.7	25
10	Probing the gravitational wave background from cosmic strings with LISA. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 034-034.	5.4	164
11	Ability of LIGO and LISA to probe the equation of state of the early Universe. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 011-011.	5.4	50
12	Reconstructing the spectral shape of a stochastic gravitational wave background with LISA. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 017-017.	5.4	149
13	Lattice formulation of axion inflation. Application to preheating. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 002-002.	5.4	61
14	Chiral charge dynamics in Abelian gauge theories at finite temperature. Journal of High Energy Physics, 2019, 2019, 1.	4.7	19
15	Inconsistency of an inflationary sector coupled only to Einstein gravity. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 050-050.	5.4	25
16	Lattice implementation of Abelian gauge theories with Chernâ€“Simons number and an axion field. Nuclear Physics B, 2018, 926, 544-569.	2.5	24
17	Probing non-Gaussian stochastic gravitational wave backgrounds with LISA. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 034-034.	5.4	59
18	Higgs field-curvature coupling and postinflationary vacuum instability. Physical Review D, 2018, 98, .	4.7	25

#	Article	IF	Citations
19	Cosmological backgrounds of gravitational waves. Classical and Quantum Gravity, 2018, 35, 163001.	4.0	490
20	Anomalous non-conservation of fermion/chiral number in Abelian gauge theories at finite temperature. Journal of High Energy Physics, 2018, 2018, 1.	4.7	16
21	Parametric resonance in the early Universeâ€”a fitting analysis. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 001-001.	5.4	47
22	The Standard Model Higgs as the origin of the hot Big Bang. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 272-277.	4.1	40
23	Gravitational wave production from preheating: parameter dependence. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 057-057.	5.4	55
24	Science with the space-based interferometer LISA. IV: probing inflation with gravitational waves. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 026-026.	5.4	256
25	Gravitational wave production from the decay of the standard model Higgs field after inflation. Physical Review D, 2016, 93, .	4.7	32
26	Decay of the standard model Higgs field after inflation. Physical Review D, 2015, 92, .	4.7	66
27	Can self-ordering scalar fields explain the BICEP2 B-mode signal?. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 029-029.	5.4	13
28	On the anisotropy of the gravitational wave background from massless preheating. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 047-047.	5.4	35
29	Cosmic microwave background temperature and polarization anisotropies from the large-Nlimit of global defects. Physical Review D, 2014, 89, .	4.7	9
30	A gravitational wave background from the decay of the standard model Higgs after inflation. Journal of High Energy Physics, 2014, 2014, 1.	4.7	27
31	Stochastic background of gravitational waves from fermions â€" Theory and applications. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
32	Exact Scale-Invariant Background of Gravitational Waves from Cosmic Defects. Physical Review Letters, 2013, 110, 101302.	7.8	89
33	Curvaton decay by resonant production of the Standard Model higgs. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 040-040.	5.4	28
34	Anisotropies in the Gravitational Wave Background from Preheating. Physical Review Letters, 2013, 111, 011301.	7.8	55
35	Fluctuations along supersymmetric flat directions during inflation. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 053-053.	5.4	19
36	Stochastic background of gravitational waves from fermions. Physical Review D, 2012, 86, .	4.7	20

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37	The local B-polarization of the CMB: A very sensitive probe of cosmic defects. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 26-29.	4.1	22
38	On the transverse-traceless projection in lattice simulations of gravitational wave production. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 015-015.	5.4	32
39	Non-Gaussianity from self-ordering scalar fields. Physical Review D, 2010, 81, .	4.7	18
40	Preheating the Universe from the Standard Model Higgs. AIP Conference Proceedings, 2010, , .	0.4	23
41	Gravitational waves from Abelian gauge fields and cosmic strings at preheating. Physical Review D, 2010, 82, .	4.7	100
42	Preheating in the standard model with the Higgs inflaton coupled to gravity. Physical Review D, 2009, 79, .	4.7	280
43	Gravitational waves from self-ordering scalar fields. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 005-005.	5.4	61
44	Gravitational wave background from reheating after hybrid inflation. Physical Review D, 2008, 77, .	4.7	185
45	Improved cosmological parameter constraints from CMB andH(z) data. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 038.	5.4	4
46	Stochastic Background of Gravitational Waves from Hybrid Preheating. Physical Review Letters, 2007, 98, 061302.	7.8	179