

Tommi Markkanen

List of Publications by Year in descending order

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36
papers

1,470
citations

430754

18
h-index

345118

36
g-index

36
all docs

36
docs citations

36
times ranked

1073
citing authors

#	ARTICLE	IF	CITATIONS
1	Vacuum decay constraints on the Higgs curvature coupling from inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 077.	1.9	14
2	Higgs-like spectator field as the origin of structure. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	1
3	Novel mechanism for primordial perturbations in minimal extensions of the Standard Model. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	5
4	Scalar correlation functions for a double-well potential in de Sitter space. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 049-049.	1.9	20
5	Primordial dark matter from curvature induced symmetry breaking. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 002-002.	1.9	9
6	Despicable dark relics: generated by gravity with unconstrained masses. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 005-005.	1.9	42
7	Primordial black holes from thermal inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 046-046.	1.9	16
8	Renormalisation group improvement in the stochastic formalism. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 023-023.	1.9	12
9	Dark energy without fine tuning. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	1
10	Scalar correlation functions in de Sitter space from the stochastic spectral expansion. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 001-001.	1.9	31
11	Dark energy as a remnant of inflation and electroweak symmetry breaking. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	9
12	Vacuum stability in the early universe and the backreaction of classical gravity. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170115.	1.6	5
13	Spectator dark matter. <i>Physical Review D</i> , 2018, 98, .	1.6	39
14	Cosmological Aspects of Higgs Vacuum Metastability. <i>Frontiers in Astronomy and Space Sciences</i> , 2018, 5, .	1.1	79
15	Renormalization of the inflationary perturbations revisited. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 001-001.	1.9	9
16	The 1-loop effective potential for the Standard Model in curved spacetime. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	49
17	Non-minimal gravitational reheating during kination. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 021-021.	1.9	57
18	Quantum corrections to quartic inflation with a non-minimal coupling: metric vs. Palatini. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 029-029.	1.9	72

#	ARTICLE	IF	CITATIONS
19	Light scalars on cosmological backgrounds. Journal of High Energy Physics, 2018, 2018, 1.	1.6	7
20	De Sitter stability and coarse graining. European Physical Journal C, 2018, 78, 97.	1.4	24
21	Horizon feedback inflation. European Physical Journal C, 2018, 78, 347.	1.4	4
22	Dark matter from gravitational particle production at reheating. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 008-008.	1.9	41
23	Massive scalar field evolution in de Sitter. Journal of High Energy Physics, 2017, 2017, 1.	1.6	21
24	Decoherence can relax cosmic acceleration: an example. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 022-022.	1.9	10
25	Narrowing the window of inflationary magnetogenesis. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 035-035.	1.9	10
26	Do metric fluctuations affect the Higgs dynamics during inflation?. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 026-026.	1.9	9
27	Decoherence can relax cosmic acceleration. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 026-026.	1.9	16
28	Inflation without quantum gravity. Physical Review D, 2015, 91, .	1.6	16
29	Curvature induced running of the cosmological constant. Physical Review D, 2015, 91, .	1.6	12
30	Spacetime Curvature and Higgs Stability after Inflation. Physical Review Letters, 2015, 115, 241301.	2.9	116
31	Spacetime Curvature and the Higgs Stability During Inflation. Physical Review Letters, 2014, 113, 211102.	2.9	156
32	Quantum corrections to scalar field dynamics in a slow-roll space-time. Journal of High Energy Physics, 2014, 2014, 1.	1.6	27
33	A simple method for one-loop renormalization in curved space-time. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 045-045.	1.9	61
34	Quantum corrections to inflaton and curvaton dynamics. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 027-027.	1.9	19
35	Footprint Analysis For Measurements Over A Heterogeneous Forest. Boundary-Layer Meteorology, 2000, 97, 137-166.	1.2	151
36	Observations of ultrafine aerosol particle formation and growth in boreal forest. Geophysical Research Letters, 1997, 24, 1219-1222.	1.5	300