

Kimmo Kainulainen

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,966
citations

186265

28
h-index

182427

51
g-index

52
all docs

52
docs citations

52
times ranked

1766
citing authors

#	ARTICLE	IF	CITATIONS
19	New stochastic approach to cumulative weak lensing. <i>Physical Review D</i> , 2009, 80, .	4.7	46
20	Despicable dark relics: generated by gravity with unconstrained masses. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 005-005.	5.4	42
21	Accurate modeling of weak lensing with the stochastic gravitational lensing method. <i>Physical Review D</i> , 2011, 83, .	4.7	40
22	Self-interacting dark matter and cosmology of a light scalar mediator. <i>Physical Review D</i> , 2016, 93, .	4.7	40
23	Large-Scale Inhomogeneities May Improve the Cosmic Concordance of Supernovae. <i>Physical Review Letters</i> , 2010, 105, 121302.	7.8	38
24	Improved electroweak phase transition with subdominant inert doublet dark matter. <i>Physical Review D</i> , 2013, 87, .	4.7	37
25	Electroweak baryogenesis from a dark sector. <i>Physical Review D</i> , 2017, 95, .	4.7	36
26	Baryogenesis and gravity waves from a UV-completed electroweak phase transition. <i>Physical Review D</i> , 2021, 103, .	4.7	35
27	Coherent quantum Boltzmann equations from cQPA. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	28
28	Towards a kinetic theory for fermions with quantum coherence. <i>Nuclear Physics B</i> , 2009, 810, 389-426.	2.5	27
29	Baryogenesis in the two doublet and inert singlet extension of the Standard Model. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 057-057.	5.4	27
30	Quantum kinetic theory for fermions in temporally varying backgrounds. <i>Journal of High Energy Physics</i> , 2008, 2008, 032-032.	4.7	25
31	Supernovae observations in a Λ -universe with a local void. <i>Physical Review D</i> , 2009, 80, .	4.7	25
32	Kinetic theory for scalar fields with nonlocal quantum coherence. <i>Journal of High Energy Physics</i> , 2009, 2009, 119-119.	4.7	22
33	Weak lensing observables in the halo model. <i>Physical Review D</i> , 2011, 84, .	4.7	21
34	Supersymmetric electroweak phase transition: Dimensional reduction versus effective potential. <i>Nuclear Physics B</i> , 1998, 510, 88-102.	2.5	17
35	Flavour-coherent propagators and Feynman rules: covariant cQPA formulation. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	17
36	Limits on heavy WIMP masses and interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 264, 367-372.	4.1	16

#	ARTICLE	IF	CITATIONS
37	Weakly interacting dark matter from the minimal walking technicolor. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 029-029.	5.4	14
38	Coherent quasiparticle approximation (cQPA) and nonlocal coherence. <i>Journal of Physics: Conference Series</i> , 2010, 220, 012007.	0.4	13
39	Dark energy, scalar-tensor gravity, and large extra dimensions. <i>Physical Review D</i> , 2006, 73, .	4.7	12
40	Nucleosynthesis limits on the mass of long lived tau and muon neutrinos. <i>Astroparticle Physics</i> , 1997, 6, 169-185.	4.3	10
41	Naturality, unification, and dark matter. <i>Physical Review D</i> , 2010, 82, .	4.7	10
42	Kinetic transport theory with quantum coherence. <i>Nuclear Physics A</i> , 2009, 820, 203c-206c.	1.5	9
43	Quantum transport and the phase space structure of the Wightman functions. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	9
44	Flavour mixing transport theory and resonant leptogenesis. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	9
45	CP-violating transport theory for electroweak baryogenesis with thermal corrections. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 042.	5.4	9
46	Can primordial black holes as all dark matter explain fast radio bursts?. <i>Physical Review D</i> , 2021, 104, .	4.7	8
47	Non-equilibrium dynamics of a scalar field with quantum backreaction. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	6
48	A model for dark matter, naturalness and a complete gauge unification. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 034-034.	5.4	4
49	Impact of cosmic inhomogeneities on SNe observations. , 2010, , .		2
50	Dark matter from unification. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 036-036.	5.4	2