Hannu Antero Kurki-Suonio

List of Publications by Year
in descending order

46 papers	3,001 citations	186265 28 h-index	243625 44 g-index
46 all docs	46 docs citations	46 times ranked	2228 citing authors

#	Article	IF	Citations
1	Planck2013 results. XXIX. ThePlanckcatalogue of Sunyaev-Zeldovich sources. Astronomy and Astrophysics, 2014, 571, A29.	5.1	380
2	Constraints on neutrino density and velocity isocurvature modes from WMAP-9 data. Physical Review D, 2013, 88, .	4.7	12
3	CONSTRAINTS ON SCALAR AND TENSOR PERTURBATIONS IN PHENOMENOLOGICAL AND TWO-FIELD INFLATION MODELS: BAYESIAN EVIDENCES FOR PRIMORDIAL ISOCURVATURE AND TENSOR MODES. Astrophysical Journal, 2012, 753, 151.	4.5	26
4	Planckearly results. II. The thermal performance ofPlanck. Astronomy and Astrophysics, 2011, 536, A2.	5.1	91
5	Planckearly results. I. ThePlanckmission. Astronomy and Astrophysics, 2011, 536, A1.	5.1	394
6	Planckpre-launch status: ThePlanck-LFI programme. Astronomy and Astrophysics, 2010, 520, A3.	5.1	81
7	Planckâ€‰â€‰ pre-launch status: Expected LFI polarisation capability. Astronomy and Astrophysics, 2010, 520, A8.	5.1	69
8	Hints of isocurvature perturbations in the cosmic microwave background?. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 008-008.	5.4	50
9	Cosmological perturbations in the Palatini formulation of modified gravity. Classical and Quantum Gravity, 2006, 23, 2355-2369.	4.0	190
10	Correlated primordial perturbations in light of CMB and large scale structure data. Physical Review D, 2005, 71, .	4.7	77
11	CMB spectrum in Cardassian models. Physical Review D, 2005, 71, .	4.7	26
12	Cosmic microwave background power spectrum estimation with the destriping technique. Monthly Notices of the Royal Astronomical Society, 2004, 353, 43-58.	4.4	11
13	A maximum likelihood approach to the destriping technique. Astronomy and Astrophysics, 2004, 428, 287-298.	5.1	39
14	Big bang nucleosynthesis, matter-antimatter regions, extra relativistic species, and relic gravitational waves. Physical Review D, 2002, 66, .	4.7	29
15	Open and closed CDM isocurvature models contrasted with the CMB data. Physical Review D, 2002, 65, .	4.7	29
16	Big Bang Nucleosynthesis Calculation. Space Science Reviews, 2002, 100, 249-261.	8.1	0
17	Limits on isocurvature fluctuations from Boomerang and MAXIMA. AIP Conference Proceedings, 2001, , .	0.4	0
18	Inhomogeneous big bang nucleosynthesis and the high baryon density suggested by Boomerang and MAXIMA. Physical Review D, 2001, 63, .	4.7	13

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19	Alternative Solutions to Big Bang Nucleosynthesis. Symposium - International Astronomical Union, 2000, 198, 25-34.	0.1	2
20	Constraining isocurvature fluctuations with the Planck Surveyor. Physical Review D, 2000, 61, .	4.7	33
21	Constraining Antimatter Domains in the Early Universe with Big Bang Nucleosynthesis. Physical Review Letters, 2000, 84, 3756-3759.	7.8	29
22	Limits on isocurvature fluctuations from Boomerang and MAXIMA. Physical Review D, 2000, 62, .	4.7	76
23	Antimatter regions in the early universe and big bang nucleosynthesis. Physical Review D, 2000, 62, .	4.7	15
24	Inhomogeneous big-bang nucleosynthesis in light of recent observations. Physical Review D, 1999, 59, .	4.7	37
25	Stochastic Isocurvature Baryon Fluctuations, Baryon Diffusion, and Primordial Nucleosynthesis. Astrophysical Journal, 1997, 479, 31-39.	4.5	21
26	Supersonic deflagrations in cosmological phase transitions. Physical Review D, 1995, 51, 5431-5437.	4.7	97
27	Growth of bubbles in cosmological phase transitions. Physical Review D, 1994, 49, 3854-3868.	4.7	172
28	Statistical constraints on the inflation effective potential from the COBE DMR results. Physical Review D, 1994, 50, 5431-5434.	4.7	5
29	Large scale inhomogeneities from the QCD phase transition. Physical Review D, 1994, 50, 3738-3745.	4.7	53
30	Inhomogeneous inflation: Numerical evolution. Physical Review D, 1993, 48, 3611-3624.	4.7	47
31	Diffusion coefficients and inhomogeneous big-bang nucleosynthesis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 289, 211-216.	4.1	9
32	Relation of redshift surveys to matter distribution in spherically symmetric dust universes. Astrophysical Journal, 1992, 390, 5.	4.5	5
33	Baryon inhomogeneity from the cosmic quark-hadron phase transition. Nuclear Physics, Section B, Proceedings Supplements, 1991, 24, 67-73.	0.4	3
34	Primordial nucleosynthesis with horizon-scale curvature fluctuations. Physical Review D, 1991, 43, 1087-1105.	4.7	3
35	Prospects for observing subhorizon preinflation fluctuations in the cosmic microwave background. Physical Review D, 1991, 44, 3072-3076.	4.7	15
36	Inhomogeneous inflation: The initial-value problem. Physical Review D, 1991, 44, 3077-3086.	4.7	34

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37	Overproduction ofHe4in strongly inhomogeneousÎ©b=1models of primordial nucleosynthesis. Physical Review D, 1990, 42, 1047-1056.	4.7	21
38	Big bang nucleosynthesis and the quark-hadron transition. Astrophysical Journal, 1990, 353, 406.	4.5	90
39	Effect of small-scale baryon inhomogeneity on cosmic nucleosynthesis. Physical Review D, 1989, 39, 1046-1053.	4.7	51
40	Baryon-number inhomogeneity generation in the cosmic quark-hadron phase transition. Physical Review D, 1988, 37, 2104-2110.	4.7	61
41	Inhomogeneous nucleosynthesis with neutron diffusion. Physical Review D, 1988, 38, 1091-1099.	4.7	58
42	Inflation from inhomogeneous initial data in a one-dimensional back-reacting cosmology. Physical Review D, 1987, 35, 435-448.	4.7	61
43	Bubble growth and droplet decay in the quark-hadron phase transition in the early Universe. Physical Review D, 1986, 34, 1719-1738.	4.7	153
44	Anisotropy and cosmic nucleosynthesis of light isotopes includingLi7. Physical Review D, 1985, 31, 1811-1814.	4.7	7
45	Deflagration bubbles in the quark-hadron phase transition. Nuclear Physics B, 1985, 255, 231-252.	2.5	101
46	Deflagrations and detonations as a mechanism of hadron bubble growth in supercooled quark-gluon plasmas. Nuclear Physics B, 1984, 237, 477-501.	2.5	225