

Jussi-Pekka VÃliviita

List of Publications by Year in descending order

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12245
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#	ARTICLE	IF	CITATIONS
1	<i>Planck</i> 2013 results. XVI. Cosmological parameters. <i>Astronomy and Astrophysics</i> , 2014, 571, A16.	5.1	4,703
2	<i>Planck</i> 2013 results. I. Overview of products and scientific results. <i>Astronomy and Astrophysics</i> , 2014, 571, A1.	5.1	948
3	Joint Analysis of BICEP2/<i>Keck Array</i> and <i>Planck</i> Data. <i>Physical Review Letters</i> , 2015, 114, 101301.	7.8	819
4	<i>Planck</i> 2013 results. XXII. Constraints on inflation. <i>Astronomy and Astrophysics</i> , 2014, 571, A22.	5.1	806
5	<i>Planck</i> 2013 results. XI. All-sky model of thermal dust emission. <i>Astronomy and Astrophysics</i> , 2014, 571, A11.	5.1	566
6	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A27.	5.1	535
7	<i>Planck</i> 2013 results. XX. Cosmology from Sunyaev-Zeldovich cluster counts. <i>Astronomy and Astrophysics</i> , 2014, 571, A20.	5.1	465
8	<i>Planck</i> early results. I. The <i>Planck</i> mission. <i>Astronomy and Astrophysics</i> , 2011, 536, A1.	5.1	394
9	<i>Planck</i> 2013 results. XXIX. The <i>Planck</i> catalogue of Sunyaev-Zeldovich sources. <i>Astronomy and Astrophysics</i> , 2014, 571, A29.	5.1	380
10	<i>Planck</i> 2013 results. XXIII. Isotropy and statistics of the CMB. <i>Astronomy and Astrophysics</i> , 2014, 571, A23.	5.1	367
11	<i>Planck</i> 2013 results. XV. CMB power spectra and likelihood. <i>Astronomy and Astrophysics</i> , 2014, 571, A15.	5.1	364
12	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A15.	5.1	360
13	<i>Planck</i> 2013 results. XXIV. Constraints on primordial non-Gaussianity. <i>Astronomy and Astrophysics</i> , 2014, 571, A24.	5.1	350
14	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A16.	5.1	338
15	Non-Gaussianity of the primordial perturbation in the curvaton model. <i>Physical Review D</i> , 2006, 74, .	4.7	308
16	<i>Planck</i> intermediate results. XIX. An overview of the polarized thermal emission from Galactic dust. <i>Astronomy and Astrophysics</i> , 2015, 576, A104.	5.1	296
17	Large-scale instability in interacting dark energy and dark matter fluids. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 020.	5.4	293
18	<i>Planck</i> 2013 results. XVII. Gravitational lensing by large-scale structure. <i>Astronomy and Astrophysics</i> , 2014, 571, A17.	5.1	272

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19	<i>Planck</i> early results. VII. The Early Release Compact Source Catalogue. <i>Astronomy and Astrophysics</i> , 2011, 536, A7.	5.1	224
20	<i>Planck</i> 2013 results. XXV. Searches for cosmic strings and other topological defects. <i>Astronomy and Astrophysics</i> , 2014, 571, A25.	5.1	223
21	<i>Planck</i> 2013 results. XII. Diffuse component separation. <i>Astronomy and Astrophysics</i> , 2014, 571, A12.	5.1	216
22	<i>Planck</i> 2013 results. XXX. Cosmic infrared background measurements and implications for star formation. <i>Astronomy and Astrophysics</i> , 2014, 571, A30.	5.1	210
23	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A8.	5.1	209
24	<i>Planck</i> intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 586, A133.	5.1	173
25	<i>Planck</i> 2013 results. XXVII. Doppler boosting of the CMB: Eppur si muove. <i>Astronomy and Astrophysics</i> , 2014, 571, A27.	5.1	170
26	<i>Planck</i> 2013 results. XXVIII. The <i>Planck</i> Catalogue of Compact Sources. <i>Astronomy and Astrophysics</i> , 2014, 571, A28.	5.1	162
27	<i>Planck</i> 2013 results. XIII. Galactic CO emission. <i>Astronomy and Astrophysics</i> , 2014, 571, A13.	5.1	144
28	Observational constraints on an interacting dark energy model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 2355-2368.	4.4	136
29	Planck intermediate results. <i>Astronomy and Astrophysics</i> , 2014, 566, A55.	5.1	134
30	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A28.	5.1	134
31	<i>Planck</i> 2013 results. XXI. Power spectrum and high-order statistics of the <i>Planck</i> all-sky Compton parameter map. <i>Astronomy and Astrophysics</i> , 2014, 571, A21.	5.1	133
32	<i>Planck</i> 2013 results. IX. HFI spectral response. <i>Astronomy and Astrophysics</i> , 2014, 571, A9.	5.1	129
33	<i>Planck</i> intermediate results. XXII. Frequency dependence of thermal emission from Galactic dust intensity and polarization. <i>Astronomy and Astrophysics</i> , 2015, 576, A107.	5.1	126
34	<i>Planck</i> 2013 results. XIX. The integrated Sachs-Wolfe effect. <i>Astronomy and Astrophysics</i> , 2014, 571, A19.	5.1	126
35	<i>Planck</i> intermediate results. XX. Comparison of polarized thermal emission from Galactic dust with simulations of MHD turbulence. <i>Astronomy and Astrophysics</i> , 2015, 576, A105.	5.1	119
36	<i>Planck</i> 2013 results. XVIII. The gravitational lensing-infrared background correlation. <i>Astronomy and Astrophysics</i> , 2014, 571, A18.	5.1	116

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37	Interacting dark energy: Constraints and degeneracies. <i>Physical Review D</i> , 2012, 85, .	4.7	110
38	<i>Planck</i> early results. III. First assessment of the Low Frequency Instrument in-flight performance. <i>Astronomy and Astrophysics</i> , 2011, 536, A3.	5.1	108
39	<i>Planck</i> 2013 results. VIII. HFI photometric calibration and mapmaking. <i>Astronomy and Astrophysics</i> , 2014, 571, A8.	5.1	107
40	<i>Planck</i> 2013 results. VI. High Frequency Instrument data processing. <i>Astronomy and Astrophysics</i> , 2014, 571, A6.	5.1	103
41	<i>Planck</i> 2013 results. VII. HFI time response and beams. <i>Astronomy and Astrophysics</i> , 2014, 571, A7.	5.1	99
42	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A7.	5.1	94
43	<i>Planck</i> 2013 results. XXVI. Background geometry and topology of the Universe. <i>Astronomy and Astrophysics</i> , 2014, 571, A26.	5.1	91
44	Adiabatic initial conditions for perturbations in interacting dark energy models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 2344-2354.	4.4	85
45	<i>Planck</i> 2013 results. XXXII. The updated <i>Planck</i> catalogue of Sunyaev-Zeldovich sources. <i>Astronomy and Astrophysics</i> , 2015, 581, A14.	5.1	80
46	Correlated primordial perturbations in light of CMB and large scale structure data. <i>Physical Review D</i> , 2005, 71, .	4.7	77
47	<i>Planck</i> early results. V. The Low Frequency Instrument data processing. <i>Astronomy and Astrophysics</i> , 2011, 536, A5.	5.1	77
48	Limits on isocurvature fluctuations from Boomerang and MAXIMA. <i>Physical Review D</i> , 2000, 62, .	4.7	76
49	<i>Planck</i> 2013 results. II. Low Frequency Instrument data processing. <i>Astronomy and Astrophysics</i> , 2014, 571, A2.	5.1	74
50	<i>Planck</i> 2013 results. XXXI. Consistency of the <i>Planck</i> data. <i>Astronomy and Astrophysics</i> , 2014, 571, A31.	5.1	69
51	<i>Planck</i> 2013 results. X. HFI energetic particle effects: characterization, removal, and simulation. <i>Astronomy and Astrophysics</i> , 2014, 571, A10.	5.1	68
52	<i>Planck</i> intermediate results. XXI. Comparison of polarized thermal emission from Galactic dust at 353 GHz with interstellar polarization in the visible. <i>Astronomy and Astrophysics</i> , 2015, 576, A106.	5.1	68
53	<i>Planck</i> 2013 results. V. LFI calibration. <i>Astronomy and Astrophysics</i> , 2014, 571, A5.	5.1	67
54	<i>Planck</i> intermediate results. XV. A study of anomalous microwave emission in Galactic clouds. <i>Astronomy and Astrophysics</i> , 2014, 565, A103.	5.1	67

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55	Correlated Adiabatic and Isocurvature Cosmic Microwave Background Fluctuations in the Wake of the Results from the Wilkinson Microwave Anisotropy Probe. <i>Physical Review Letters</i> , 2003, 91, 131302.	7.8	58
56	Correlated isocurvature perturbations from mixed inflaton+curvaton decay. <i>Journal of Cosmology and Astroparticle Physics</i> , 2004, 2004, 010-010.	5.4	56
57	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A4.	5.1	56
58	<i>Planck</i> intermediate results. XIV. Dust emission at millimetre wavelengths in the Galactic plane. <i>Astronomy and Astrophysics</i> , 2014, 564, A45.	5.1	55
59	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A5.	5.1	55
60	Primordial non-Gaussianity from two curvaton decays. <i>Physical Review D</i> , 2007, 76, .	4.7	51
61	Hints of isocurvature perturbations in the cosmic microwave background?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 008-008.	5.4	50
62	<i>Planck</i> intermediate results. XXVI. Optical identification and redshifts of <i>Planck</i> clusters with the RTT150 telescope. <i>Astronomy and Astrophysics</i> , 2015, 582, A29.	5.1	46
63	Distinguishing interacting dark energy from Λ CDM with CMB, lensing, and baryon acoustic oscillation data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 015-015.	5.4	46
64	Constraints on primordial isocurvature perturbations and spatial curvature by Bayesian model selection. <i>Physical Review D</i> , 2009, 80, .	4.7	43
65	<i>Planck</i> 2013 results. IV. Low Frequency Instrument beams and window functions. <i>Astronomy and Astrophysics</i> , 2014, 571, A4.	5.1	41
66	Open and closed CDM isocurvature models contrasted with the CMB data. <i>Physical Review D</i> , 2002, 65, .	4.7	29
67	CONSTRAINTS ON SCALAR AND TENSOR PERTURBATIONS IN PHENOMENOLOGICAL AND TWO-FIELD INFLATION MODELS: BAYESIAN EVIDENCES FOR PRIMORDIAL ISOCURVATURE AND TENSOR MODES. <i>Astrophysical Journal</i> , 2012, 753, 151.	4.5	26
68	Power spectra based Planck constraints on compensated isocurvature, and forecasts for LiteBIRD and CORE space missions. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 014-014.	5.4	25
69	Testing distance duality with CMB anisotropies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 050-050.	5.4	14
70	<i>Planck</i> intermediate results. XVIII. The millimetre and sub-millimetre emission from planetary nebulae. <i>Astronomy and Astrophysics</i> , 2015, 573, A6.	5.1	13
71	Constraints on neutrino density and velocity isocurvature modes from WMAP-9 data. <i>Physical Review D</i> , 2013, 88, .	4.7	12
72	Instability in interacting dark energy and dark matter fluids. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2009, 194, 260-265.	0.4	8

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73	Limits on isocurvature fluctuations from Boomerang and MAXIMA. AIP Conference Proceedings, 2001, , .	0.4	0