Alessio Notari

List of Publications by Year
in descending order

63 papers	4,160 citations	147801 31 h-index	114465 63 g-index
67 all docs	67 docs citations	67 times ranked	2394 citing authors

#	Article	IF	Citations
1	High Quality QCD Axion at Gravitational Wave Observatories. Physical Review Letters, 2022, 128, 141101.	7.8	14
2	COVID-19 transmission risk factors. Pathogens and Global Health, 2022, 116, 146-177.	2.3	12
3	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. Journal of High Energy Astrophysics, 2022, 34, 49-211.	6.7	350
4	Temperature dependence of COVID-19 transmission. Science of the Total Environment, 2021, 763, 144390.	8.0	85
5	Dine-Fischler-Srednicki-Zhitnitsky axion in the CMB. Physical Review D, 2021, 103, .	4.7	16
6	Production of thermal axions across the electroweak phase transition. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 090.	5.4	23
7	Snowmass2021 - Letter of interest cosmology intertwined I: Perspectives for the next decade. Astroparticle Physics, 2021, 131, 102606.	4.3	37
8	Snowmass2021 - Letter of interest cosmology intertwined II: The hubble constant tension. Astroparticle Physics, 2021, 131, 102605.	4.3	228
9	Snowmass2021 - Letter of interest cosmology intertwined IV: The age of the universe and its curvature. Astroparticle Physics, 2021, 131, 102607.	4.3	39
10	Cosmology intertwined III: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"><mml:mrow><mml:mi>f</mml:mi><mml:msub><mml:mi>Ïƒ</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mro and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.svg"><mml:msub><mml:mi>S</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:math>. Astroparticle Physics, 2021, 131, 102604.	4.3	182
11	The H₀ tension: Î” G_N vs. Î” N_{eff}. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 024-024.	5.4	50
12	Physics potential of the International Axion Observatory (IAXO). Journal of Cosmology and Astroparticle Physics, 2019, 2019, 047-047.	5.4	135
13	On systematic and GR effects on muon g â˜’ 2 experiments. Journal of High Energy Physics, 2019, 2019, 1.	4.7	1
14	Exploring cosmic origins with CORE: Survey requirements and mission design. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 014-014.	5.4	98
15	Exploring cosmic origins with CORE: The instrument. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 015-015.	5.4	25
16	Exploring cosmic origins with CORE: Inflation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 016-016.	5.4	75
17	Exploring cosmic origins with CORE: Cosmological parameters. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 017-017.	5.4	73
18	Exploring cosmic origins with CORE: Gravitational lensing of the CMB. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 018-018.	5.4	29

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19	Exploring cosmic origins with CORE: Cluster science. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 019-019.	5.4	17
20	Exploring cosmic origins with CORE: Extragalactic sources in cosmic microwave background maps. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 020-020.	5.4	20
21	Exploring cosmic origins with CORE: Effects of observer peculiar motion. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 021-021.	5.4	18
22	Exploring cosmic origins with CORE: Mitigation of systematic effects. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 022-022.	5.4	14
23	Exploring cosmic origins with CORE:B-mode component separation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 023-023.	5.4	44
24	Thermalized axion inflation: Natural and monomial inflation with small <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>r</mml:mi></mml:mrow></mml:math>. Physical Review D, 2018, 97, .	4.7	18
25	Natural Inflation with a periodic non-minimal coupling. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 021-021.	5.4	24
26	Hot axions and the H₀ tension. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 014-014.	5.4	139
27	Observable Windows for the QCD Axion Through the Number of Relativistic Species. Physical Review Letters, 2018, 120, 191301.	7.8	40
28	Thermalized axion inflation. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 007-007.	5.4	38
29	Dissipative axial inflation. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 038-038.	5.4	33
30	CMB all-scale blackbody distortions induced by linearizing temperature. Physical Review D, 2016, 94, .	4.7	8
31	Interpreting the CMB aberration and Doppler measurements: boost or intrinsic dipole?. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 026-026.	5.4	18
32	Improving Planck calibration by including frequency-dependent relativistic corrections. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 050-050.	5.4	6
33	On the proper kinetic quadrupole CMB removal and the quadrupole anomalies. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 047-047.	5.4	22
34	Higgs mass and gravity waves in standard model false vacuum inflation. Physical Review D, 2015, 91, .	4.7	2
35	On the significance of power asymmetries in Planck CMB data at all scales. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 008-008.	5.4	45
36	CMB aberration and Doppler effects as a source of hemispherical asymmetries. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 019-019.	5.4	21

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37	Non-Gaussianity and CMB aberration and Doppler. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 036-036.	5.4	6
38	Cosmological parameter estimation: impact of CMB aberration. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 028-028.	5.4	16
39	Measuring our peculiar velocity by ``pre-deboosting'' the CMB. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 026-026.	5.4	27
40	Inflation from the Higgs field false vacuum with hybrid potential. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 031-031.	5.4	23
41	Higgs mass range from standard model false vacuum inflation in scalar-tensor gravity. Physical Review D, 2012, 85, .	4.7	31
42	Standard Model False Vacuum Inflation: Correlating the Tensor-to-Scalar Ratio to the Top Quark and Higgs Boson Masses. Physical Review Letters, 2012, 108, 191302.	7.8	36
43	Observational constraints on inhomogeneous cosmological models without dark energy. Classical and Quantum Gravity, 2011, 28, 164004.	4.0	94
44	Measuring our peculiar velocity on the CMB with high-multipole off-diagonal correlations. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 027-027.	5.4	55
45	Testing the void against cosmological data: fitting CMB, BAO, SN andH₀. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 030-030.	5.4	93
46	Detecting the cold spot as a void with the non-diagonal two-point function. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 028-028.	5.4	9
47	Local void vs dark energy: confrontation with WMAP and type Ia supernovae. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 025-025.	5.4	93
48	The cold spot as a large void: lensing effect on CMB two and three point correlation functions. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 035-035.	5.4	20
49	The cold spot as a large void: Rees-Sciama effect on CMB power spectrum and bispectrum. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 019-019.	5.4	24
50	â€˜Swiss-cheeseâ€™ inhomogeneous cosmology and the dark energy problem. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 021.	5.4	99
51	Non-linear structure formation and â€˜apparentâ€™ acceleration: an investigation. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 017-017.	5.4	73
52	Can inflation solve the hierarchy problem?. Physical Review D, 2006, 74, .	4.7	17
53	â€œGracefulâ€•old inflation. Physical Review D, 2006, 73, .	4.7	22
54	LATE TIME FAILURE OF FRIEDMANN EQUATION. Modern Physics Letters A, 2006, 21, 2997-3007.	1.2	27

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55	COSMOLOGICAL INFLUENCE OF SUPER-HUBBLE PERTURBATIONS. Modern Physics Letters A, 2005, 20, 2705-2710.	1.2	22
56	Effect of inhomogeneities on the expansion rate of the universe. Physical Review D, 2005, 71, .	4.7	137
57	Large-scale magnetic fields from density perturbations. Physical Review D, 2005, 71, .	4.7	88
58	Towards a complete theory of thermal leptogenesis in the SM and MSSM. Nuclear Physics B, 2004, 685, 89-149.	2.5	627
59	Constraints on neutrino masses from leptogenesis models. Nuclear Physics B, 2004, 695, 169-191.	2.5	170
60	Reheating stage after inflation. Physical Review D, 2003, 68, .	4.7	81
61	The curvaton as a pseudo-Nambu-Goldstone boson. Journal of High Energy Physics, 2003, 2003, 053-053.	4.7	102
62	Minimal theoretical uncertainties in inflationary predictions. Journal of Cosmology and Astroparticle Physics, 2003, 2003, 012-012.	5.4	31
63	Isocurvature perturbations in the Ekpyrotic Universe. Nuclear Physics B, 2002, 644, 371-382.	2.5	98