

Vincent Vennin

List of Publications by Year in descending order

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26
papers

1,783
citations

516710

16
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1217
citing authors

#	ARTICLE	IF	CITATIONS
1	Four-mode squeezed states: two-field quantum systems and the symplectic group $\mathrm{Sp}(4, \mathbb{R})$. European Physical Journal C, 2022, 82, 1.	3.9	11
2	Hamiltonian formalism for cosmological perturbations: the separate-universe approach. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 001.	5.4	7
3	Discord and decoherence. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 051.	5.4	12
4	A response to criticisms on “CMB constraints cast a shadow on CSL model”. European Physical Journal C, 2021, 81, 1.	3.9	6
5	Unavoidable shear from quantum fluctuations in contracting cosmologies. European Physical Journal C, 2021, 81, 1.	3.9	8
6	Power spectrum in stochastic inflation. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 057.	5.4	28
7	On the choice of the collapse operator in cosmological Continuous Spontaneous Localisation (CSL) theories. European Physical Journal C, 2021, 81, 1.	3.9	6
8	Collapse Models and Cosmology. Fundamental Theories of Physics, 2021, , 269-290.	0.3	5
9	Real-space entanglement in the Cosmic Microwave Background. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 036.	5.4	14
10	Real-space entanglement of quantum fields. Physical Review D, 2021, 104, .	4.7	11
11	Bipartite temporal Bell inequalities for two-mode squeezed states. Physical Review A, 2020, 102, .	2.5	14
12	Cosmic Microwave Background Constraints Cast a Shadow On Continuous Spontaneous Localization Models. Physical Review Letters, 2020, 124, 080402.	7.8	20
13	Canonical transformations and squeezing formalism in cosmology. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 022-022.	5.4	23
14	Stochastic inflation beyond slow roll. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 031-031.	5.4	53
15	Non Gaussianities from quantum decoherence during inflation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 037-037.	5.4	24
16	Observational constraints on quantum decoherence during inflation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 063-063.	5.4	43
17	Stochastic inflation in phase space: is slow roll a stochastic attractor?. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 045-045.	5.4	60
18	Obstructions to Bell CMB experiments. Physical Review D, 2017, 96, .	4.7	49

#	ARTICLE	IF	CITATIONS
19	Leggett-Garg inequalities for squeezed states. <i>Physical Review A</i> , 2016, 94, .	2.5	21
20	Quantum discord of cosmic inflation: Can we show that CMB anisotropies are of quantum-mechanical origin?. <i>Physical Review D</i> , 2016, 93, .	4.7	88
21	Bell inequalities for continuous-variable systems in generic squeezed states. <i>Physical Review A</i> , 2016, 93, .	2.5	28
22	Correlation functions in stochastic inflation. <i>European Physical Journal C</i> , 2015, 75, 1.	3.9	151
23	Observing Inflationary Reheating. <i>Physical Review Letters</i> , 2015, 114, 081303.	7.8	118
24	The best inflationary models after Planck. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 039-039.	5.4	141
25	Encyclopédie Inflationaris. <i>Physics of the Dark Universe</i> , 2014, 5-6, 75-235.	4.9	738
26	Cosmological inflation and the quantum measurement problem. <i>Physical Review D</i> , 2012, 86, .	4.7	104