

Florian Kuhnel

List of Publications by Year in descending order

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35
papers

1,820
citations

623734

14
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

1449
citing authors

#	ARTICLE	IF	CITATIONS
1	Primordial black holes as dark matter. <i>Physical Review D</i> , 2016, 94, .	4.7	696
2	Primordial Black Holes as Dark Matter: Recent Developments. <i>Annual Review of Nuclear and Particle Science</i> , 2020, 70, 355-394.	10.2	400
3	Cosmic conundra explained by thermal history and primordial black holes. <i>Physics of the Dark Universe</i> , 2021, 31, 100755.	4.9	108
4	Constraints on primordial black holes with extended mass functions. <i>Physical Review D</i> , 2017, 95, .	4.7	92
5	Primordial black holes as dark matter candidates. <i>SciPost Physics Lecture Notes</i> , 0, , .	0.0	59
6	Effects of critical collapse on primordial black-hole mass spectra. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	52
7	Novel constraints on mixed dark-matter scenarios of primordial black holes and WIMPs. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 003-003.	5.4	45
8	Constraints on stupendously large black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 2029-2043.	4.4	43
9	Primordial black holes with multimodal mass spectra. <i>Physical Review D</i> , 2019, 99, .	4.7	30
10	Ellipsoidal collapse and primordial black hole formation. <i>Physical Review D</i> , 2016, 94, .	4.7	29
11	Black holes and WIMPs: all or nothing or something else. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3648-3661.	4.4	29
12	Long-range correlated random field and random anisotropy $O(N)$ models: A functional renormalization group study. <i>Physical Review B</i> , 2007, 75, .	3.2	26
13	High-energy gravitational scattering and Bose-Einstein condensates of gravitons. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	18
14	Primordial black holes from confinement. <i>Physical Review D</i> , 2021, 104, .	4.7	18
15	Enhanced detectability of spinning primordial black holes. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	16
16	Decay of graviton condensates and their generalizations in arbitrary dimensions. <i>Physical Review D</i> , 2014, 90, .	4.7	14
17	Compact dark matter objects via $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle N \langle \text{/mml:mi} \rangle \langle \text{/mml:math} \rangle$ dark sectors. <i>Physical Review D</i> , 2020, 101, .	4.7	14
18	Bose-Einstein condensates with derivative and long-range interactions as set-ups for analog black holes. <i>Physical Review D</i> , 2014, 90, .	4.7	12

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19	Uncertainties in primordial black-hole constraints on the primordial power spectrum. <i>Physics of the Dark Universe</i> , 2018, 19, 124-128.	4.9	12
20	Consistent cosmic microwave background spectra from quantum depletion. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 002-002.	5.4	11
21	Large-Scale Suppression from Stochastic Inflation. <i>Physical Review Letters</i> , 2010, 105, 211302.	7.8	10
22	On stochastic effects and primordial black-hole formation. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	10
23	Baryon-number conservation in Bose-Einstein condensate black holes. <i>Physical Review D</i> , 2015, 92, .	4.7	9
24	Lepton flavor asymmetries and the mass spectrum of primordial black holes. <i>Physical Review D</i> , 2021, 103, .	4.7	9
25	Waves from the centre: probing PBH and other macroscopic dark matter with LISA. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	8
26	Stochastic inflation and dimensional reduction. <i>Physical Review D</i> , 2008, 78, .	4.7	7
27	Island of Stability for Consistent Deformations of Einstein's Gravity. <i>Physical Review Letters</i> , 2012, 108, 131102.	7.8	7
28	Instability of certain bimetric and massive-gravity theories. <i>Physical Review D</i> , 2013, 88, .	4.7	7
29	Astrophysical Bose-Einstein condensates and superradiance. <i>Physical Review D</i> , 2014, 90, .	4.7	7
30	Stochastic inflation and replica field theory. <i>Physical Review D</i> , 2009, 79, .	4.7	6
31	Corpuscular consideration of eternal inflation. <i>European Physical Journal C</i> , 2015, 75, 1.	3.9	6
32	Thoughts on the vacuum energy in the quantum N-portrait. <i>Modern Physics Letters A</i> , 2015, 30, 1550197.	1.2	5
33	Signatures of compact halos of sterile-neutrino dark matter. <i>Physical Review D</i> , 2017, 96, .	4.7	3
34	Decaying dark matter in halos of primordial black holes. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	1
35	Primordial Black-Hole Signatures in Neutrino Telescopes. , 2020, , 401-418.		1