Edward Wilson-Ewing

List of Publications by Year
in descending order

44 papers	1,970 citations	236925 25 h-index	243625 44 g-index
44 all docs	44 docs citations	44 times ranked	694 citing authors

#	Article	IF	Citations
1	Loop quantum cosmology of Bianchi type I models. Physical Review D, 2009, 79, .	4.7	236
2	Loop quantum cosmology of Bianchi typeÂIX models. Physical Review D, 2010, 82, .	4.7	127
3	The matter bounce scenario in loop quantum cosmology. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 026-026.	5.4	126
4	Loop quantum cosmology of Bianchi type II models. Physical Review D, 2009, 80, .	4.7	117
5	Non-singular bounce scenarios in loop quantum cosmology and the effective field description. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 026-026.	5.4	94
6	Emergent Friedmann dynamics with a quantum bounce from quantum gravity condensates. Classical and Quantum Gravity, 2016, 33, 224001.	4.0	86
7	Bouncing cosmologies from quantum gravity condensates. Classical and Quantum Gravity, 2017, 34, 04LT01.	4.0	71
8	Hybrid quantization: From BianchiÂI to the Gowdy model. Physical Review D, 2010, 82, .	4.7	70
9	Why are the effective equations of loop quantum cosmology so accurate?. Physical Review D, 2014, 90, .	4.7	63
10	Bouncing Cosmologies with Dark Matter and Dark Energy. Universe, 2017, 3, 1.	2.5	61
11	A Î›CDM bounce scenario. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 006-006.	5.4	59
12	Quantization ambiguities and bounds on geometric scalars in anisotropic loop quantum cosmology. Classical and Quantum Gravity, 2014, 31, 035010.	4.0	56
13	Holonomy corrections in the effective equations for scalar mode perturbations in loop quantum cosmology. Classical and Quantum Gravity, 2012, 29, 085005.	4.0	55
14	Effective loop quantum gravity framework for vacuum spherically symmetric spacetimes. Physical Review D, 2020, 102, .	4.7	51
15	Nonsingular bouncing cosmologies in light of BICEP2. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 033-033.	5.4	47
16	Effective loop quantum cosmology as a higher-derivative scalar-tensor theory. Classical and Quantum Gravity, 2017, 34, 225004.	4.0	45
17	Testing loop quantum cosmology. Comptes Rendus Physique, 2017, 18, 207-225.	0.9	42
18	Running of the scalar spectral index in bouncing cosmologies. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 038-038.	5.4	41

#	Article	IF	Citations
19	Lattice loop quantum cosmology: scalar perturbations. Classical and Quantum Gravity, 2012, 29, 215013.	4.0	40
20	Black hole collapse and bounce in effective loop quantum gravity. Classical and Quantum Gravity, 2021, 38, 04LT01.	4.0	37
21	Covariant entropy bound and loop quantum cosmology. Physical Review D, 2008, 78, .	4.7	33
22	The loop quantum cosmology bounce as a Kasner transition. Classical and Quantum Gravity, 2018, 35, 065005.	4.0	32
23	Local spinfoam expansion in loop quantum cosmology. Classical and Quantum Gravity, 2011, 28, 025003.	4.0	29
24	Resolving the $$H_0$$ tension with diffusion. General Relativity and Gravitation, 2021, 53, 1.	2.0	28
25	Ekpyrotic loop quantum cosmology. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 015-015.	5.4	25
26	Quantum Gravity of Dust Collapse: Shock Waves from Black Holes. Physical Review Letters, 2022, 128, 121301.	7.8	25
27	Surface terms, asymptotics and thermodynamics of the Holst action. Classical and Quantum Gravity, 2010, 27, 205015.	4.0	24
28	Loop quantum cosmology of a radiation-dominated flat FLRW universe. Physical Review D, 2014, 90, .	4.7	24
29	Strengthening the TCC bound on inflationary cosmology. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 047-047.	5.4	23
30	Separate universe framework in group field theory condensate cosmology. Physical Review D, 2018, 98, .	4.7	22
31	Separate universes in loop quantum cosmology: Framework and applications. International Journal of Modern Physics D, 2016, 25, 1642002.	2.1	21
32	Relational Hamiltonian for group field theory. Physical Review D, 2019, 99, .	4.7	21
33	Converting entropy to curvature perturbations after a cosmic bounce. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 005-005.	5.4	19
34	Discrete symmetries in covariant loop quantum gravity. Physical Review D, 2012, 86, .	4.7	18
35	Fate of quantum black holes. Physical Review D, 2022, 106, .	4.7	18
36	Loop quantum cosmology with self-dual variables. Physical Review D, 2015, 92, .	4.7	16

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37	The singularity in mimetic Kantowski-Sachs cosmology. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 018-018.	5.4	16
38	Anisotropic loop quantum cosmology with self-dual variables. Physical Review D, 2016, 93, .	4.7	12
39	Pre-big-bang cosmology and circles in the cosmic microwave background. Physical Review D, 2011, 84, .	4.7	11
40	A quantum gravity extension to the Mixmaster dynamics. Classical and Quantum Gravity, 2019, 36, 195002.	4.0	10
41	A generalized Kasner transition for bouncing Bianchi I models in modified gravity theories. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 039-039.	5.4	8
42	Addendum to â€œRelational Hamiltonian for group field theoryâ€• Physical Review D, 2019, 100, .	4.7	7
43	Modified dispersion relations, inflation, and scale invariance. Physical Review D, 2018, 97, .	4.7	3
44	Potential Consequences of Wormhole-Mediated Entanglement. Foundations of Physics, 2021, 51, 1.	1.3	1