

Alejandro Perez

List of Publications by Year in descending order

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75
papers

3,418
citations

147801

31
h-index

138484

58
g-index

75
all docs

75
docs citations

75
times ranked

1058
citing authors

#	ARTICLE	IF	CITATIONS
19	Three-dimensional loop quantum gravity: coupling to point particles. <i>Classical and Quantum Gravity</i> , 2005, 22, 4489-4513.	4.0	49
20	Loop gravity string. <i>Physical Review D</i> , 2017, 95, .	4.7	46
21	Canonical quantization of non-commutative holonomies in $2+1$ loop quantum gravity. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	43
22	Four-dimensional Lorentzian Holst action with topological terms. <i>Physical Review D</i> , 2009, 79, .	4.7	42
23	Statistics, holography, and black hole entropy in loop quantum gravity. <i>Physical Review D</i> , 2014, 89, .	4.7	42
24	On the regularization of the constraint algebra of quantum gravity in $2 + 1$ dimensions with a nonvanishing cosmological constant. <i>Classical and Quantum Gravity</i> , 2010, 27, 145009.	4.0	39
25	Static Isolated Horizons: $SU(2)$ Invariant Phase Space, Quantization, and Black Hole Entropy. <i>Entropy</i> , 2011, 13, 744-777.	2.2	37
26	Quasilocal first law for black hole thermodynamics. <i>Physical Review D</i> , 2013, 87, .	4.7	36
27	Improved black hole fireworks: Asymmetric black-hole-to-white-hole tunneling scenario. <i>Physical Review D</i> , 2016, 93, .	4.7	36
28	On the physical Hilbert space of loop quantum cosmology. <i>Physical Review D</i> , 2005, 71, .	4.7	33
29	Dark Energy from Quantum Gravity Discreteness. <i>Physical Review Letters</i> , 2019, 122, 221302.	7.8	33
30	No firewalls in quantum gravity: the role of discreteness of quantum geometry in resolving the information loss paradox. <i>Classical and Quantum Gravity</i> , 2015, 32, 084001.	4.0	32
31	Spin foam quantization and anomalies. <i>General Relativity and Gravitation</i> , 2010, 42, 877-907.	2.0	31
32	Quantum Gravity at the Corner. <i>Universe</i> , 2018, 4, 107.	2.5	29
33	$(3+1)$ -dimensional spin foam model of quantum gravity with spacelike and timelike components. <i>Physical Review D</i> , 2001, 64, .	4.7	28
34	Resolving the H_0 tension with diffusion. <i>General Relativity and Gravitation</i> , 2021, 53, 1.	2.0	28
35	Statistical entropy of a BTZ black hole from loop quantum gravity. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	27
36	A microscopic model for an emergent cosmological constant. <i>International Journal of Modern Physics D</i> , 2018, 27, 1846002.	2.1	26

#	ARTICLE	IF	CITATIONS
37	Modelling black holes with angular momentum in loop quantum gravity. <i>General Relativity and Gravitation</i> , 2014, 46, 1.	2.0	21
38	Spin foam diagrammatics and topological invariance. <i>Classical and Quantum Gravity</i> , 2002, 19, 1093-1108.	4.0	20
39	Comment on "Ultraviolet Modifications of Dispersion Relations in Effective Field Theory". <i>Physical Review Letters</i> , 2003, 91, 179101.	7.8	18
40	Analytic continuation of the rotating black hole state counting. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	18
41	Extended matter coupled to BF theory. <i>Physical Review D</i> , 2008, 78, .	4.7	17
42	Topological limit of gravity admitting an $S \times U(1)$ symmetry. <i>Physical Review D</i> , 2008, 78, .	4.7	17
43	Multiple-event probability in general-relativistic quantum mechanics. <i>Physical Review D</i> , 2007, 75, .	4.7	16
44	Quantization of the Jackiw-Teitelboim model. <i>Physical Review D</i> , 2009, 79, .	4.7	16
45	Black holes as gases of punctures with a chemical potential: Bose-Einstein condensation and logarithmic corrections to the entropy. <i>Physical Review D</i> , 2015, 91, .	4.7	16
46	Black hole spectroscopy from loop quantum gravity models. <i>Physical Review D</i> , 2015, 92, .	4.7	16
47	Light cone thermodynamics. <i>Physical Review D</i> , 2018, 97, .	4.7	16
48	2D manifold-independent spinfoam theory. <i>Classical and Quantum Gravity</i> , 2003, 20, 4425-4445.	4.0	13
49	Quantization of strings and branes coupled to BF theory. <i>Advances in Theoretical and Mathematical Physics</i> , 2007, 11, 451-469.	0.6	13
50	Iterative approach to gravitational lensing theory. <i>Physical Review D</i> , 2000, 61, .	4.7	11
51	Unitarity and Information in Quantum Gravity: A Simple Example. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	2.8	11
52	Statistical and entanglement entropy for black holes in quantum geometry. <i>Physical Review D</i> , 2014, 90, .	4.7	10
53	Two-dimensional topological field theories coupled to four-dimensional BF theory. <i>Physical Review D</i> , 2008, 77, .	4.7	9
54	$\hat{\mu}$ parameter in loop quantum gravity: Effects on quantum geometry and black hole entropy. <i>Physical Review D</i> , 2008, 78, .	4.7	7

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55	ON THE SYMMETRY OF THE VACUUM IN THEORIES WITH "SPONTANEOUS SYMMETRY BREAKING". International Journal of Modern Physics A, 2011, 26, 1493-1544.	1.5	7
56	Comparative studies of lensing methods. Physical Review D, 2000, 62, .	4.7	6
57	Invited review: The new spin foam models and quantum gravity. Papers in Physics, 2012, 4, .	0.2	6
58	Energy and angular momentum radiated for non-head-on binary black hole collisions. Physical Review D, 2002, 66, .	4.7	5
59	Multiple-event probability in general-relativistic quantum mechanics. II. A discrete model. Physical Review D, 2007, 76, .	4.7	4
60	CHARACTERIZING SMOOTH ISOLATED BLACK HOLES. International Journal of Modern Physics D, 2011, 20, 757-766.	2.1	4
61	Light cone black holes. Physical Review D, 2019, 99, .	4.7	4
62	Loop quantum gravity. Europhysics News, 2006, 37, 17-21.	0.3	3
63	Black holes, Planckian granularity, and the changing cosmological "constant". General Relativity and Gravitation, 2021, 53, 1.	2.0	3
64	Characteristic surface data for the eikonal equation. Journal of Mathematical Physics, 1999, 40, 1093-1102.	1.1	2
65	Perturbations with angular momentum of Robinson-Trautman spacetimes. Classical and Quantum Gravity, 2001, 18, 3701-3719.	4.0	2
66	Loop Quantum Gravity: an introduction. , 2009, , .		2
67	Black hole entropy in LQG: Recent developments. , 2012, , .		2
68	Smooth null hypersurfaces near the horizon in the presence of tails. Physical Review D, 2013, 87, .	4.7	2
69	DYNAMICS OF LOOP QUANTUM GRAVITY AND SPIN FOAM MODELS IN THREE DIMENSIONS. , 2004, , .		2
70	Cosmological Plebanski theory. General Relativity and Gravitation, 2009, 41, 2597-2618.	2.0	1
71	OBSERVABILITY AND GEOMETRY IN THREE DIMENSIONAL QUANTUM GRAVITY. , 2004, , .		1
72	THE $SU(2)$ INVARIANT PRESYMPLECTIC STRUCTURE OF SPHERICAL ISOLATED HORIZONS. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
73	Spherically symmetric black holes and affine-null metric formulation of Einstein's equations. Physical Review D, 2021, 104, .	4.7	1
74	Radiative effects and dimension 5 operators arising from quantum gravity. General Relativity and Gravitation, 2005, 37, 813-816.	2.0	0
75	Regular isolated black holes. , 2012, , .		0