

Piero Nicolini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1094550/publications.pdf>

Version: 2024-02-01

62
papers

3,495
citations

186265
28
h-index

138484
58
g-index

62
all docs

62
docs citations

62
times ranked

1065
citing authors

#	ARTICLE	IF	CITATIONS
1	Noncommutative geometry inspired Schwarzschild black hole. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 632, 547-551.	4.1	609
2	NONCOMMUTATIVE BLACK HOLES, THE FINAL APPEAL TO QUANTUM GRAVITY: A REVIEW. International Journal of Modern Physics A, 2009, 24, 1229-1308.	1.5	433
3	Non-commutative geometry inspired charged black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 645, 261-266.	4.1	243
4	Non-commutative geometry inspired higher-dimensional charged black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 670, 449-454.	4.1	182
5	Charged rotating noncommutative black holes. Physical Review D, 2010, 82, .	4.7	148
6	Black holes in an ultraviolet complete quantum gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 397-400.	4.1	133
7	Noncommutative geometry-inspired dirty black holes. Classical and Quantum Gravity, 2010, 27, 015010.	4.0	130
8	A model of radiating black hole in noncommutative geometry. Journal of Physics A, 2005, 38, L631-L638.	1.6	120
9	Physics on the smallest scales: an introduction to minimal length phenomenology. European Journal of Physics, 2012, 33, 853-862.	0.6	96
10	Spectral dimension of a quantum universe. Physical Review D, 2010, 81, .	4.7	93
11	Sub-Planckian black holes and the Generalized Uncertainty Principle. Journal of High Energy Physics, 2015, 2015, 1.	4.7	90
12	Entropic force, noncommutative gravity, and ungravity. Physical Review D, 2010, 82, .	4.7	88
13	Trace anomaly on a quantum spacetime manifold. Physical Review D, 2006, 73, .	4.7	86
14	The decay-time of non-commutative micro-black holes. Journal of High Energy Physics, 2008, 2008, 072-072.	4.7	64
15	Self-completeness and the generalized uncertainty principle. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
16	Super-accelerating bouncing cosmology in asymptotically free non-local gravity. European Physical Journal C, 2014, 74, 1.	3.9	52
17	Generalised uncertainty principle Hawking fermions from minimally geometric deformed black holes. Classical and Quantum Gravity, 2018, 35, 185001.	4.0	51
18	Quantum corrected black holes from string T-duality. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134888.	4.1	47

#	ARTICLE	IF	CITATIONS
19	Neutrino oscillations as a novel probe for a minimal length. Classical and Quantum Gravity, 2011, 28, 235019.	4.0	46
20	The Hawking-Page crossover in noncommutative anti-deSitter space. Journal of High Energy Physics, 2011, 2011, 1.	4.7	43
21	Hawking emission from quantum gravity black holes. Journal of High Energy Physics, 2011, 2011, 1.	4.7	43
22	Cosmological production of noncommutative black holes. Physical Review D, 2011, 84, .	4.7	42
23	A minimal length versus the Unruh effect. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 303-306.	4.1	39
24	Could any black holes be produced at the LHC?. Physical Review D, 2012, 85, .	4.7	38
25	Vacuum polarization in the Schwarzschild spacetime and dimensional reduction. Physical Review D, 2001, 63, .	4.7	36
26	Noncommutative approach to the cosmological constant problem. Physical Review D, 2011, 83, .	4.7	36
27	Aspects of noncommutative black holes. Physical Review D, 2011, 84, .	4.7	33
28	Holographic Screens in Ultraviolet Self-Complete Quantum Gravity. Advances in High Energy Physics, 2014, 2014, 1-9.	1.1	31
29	Large extra dimensions and small black holes at the LHC. Journal of Physics: Conference Series, 2010, 237, 012008.	0.4	26
30	Fuzziness at the horizon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 692, 32-35.	4.1	25
31	Self-completeness and spontaneous dimensional reduction. European Physical Journal Plus, 2013, 128, 1.	2.6	25
32	Superradiance in modified gravity (MOG). Journal of Cosmology and Astroparticle Physics, 2018, 2018, 021-021.	5.4	25
33	Un-spectral dimension and quantum spacetime phases. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 290-293.	4.1	24
34	Minimal scales from an extended Hilbert space. Classical and Quantum Gravity, 2010, 27, 245024.	4.0	23
35	Geometric Model of Black Hole Quantum N-portrait, Extradimensions and Thermodynamics. Entropy, 2016, 18, 181.	2.2	23
36	Self-complete and GUP-modified charged and spinning black holes. European Physical Journal C, 2020, 80, 1.	3.9	20

#	ARTICLE	IF	CITATIONS
37	Minimum Length Effects in Black Hole Physics. <i>Fundamental Theories of Physics</i> , 2015, , 293-322.	0.3	18
38	The Final Stage of Gravitationally Collapsed Thick Matter Layers. <i>Advances in High Energy Physics</i> , 2013, 2013, 1-8.	1.1	17
39	Hausdorff dimension of a particle path in a quantum manifold. <i>Physical Review D</i> , 2011, 83, .	4.7	15
40	Vacuum polarization in two-dimensional static spacetimes and dimensional reduction. <i>Physical Review D</i> , 2002, 66, .	4.7	14
41	Inverse kinetic theory for quantum hydrodynamic equations. <i>Physical Review A</i> , 2007, 75, .	2.5	14
42	Planckian charged black holes in ultraviolet self-complete quantum gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 778, 88-93.	4.1	14
43	Unparticle Casimir effect. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 675-680.	4.1	12
44	Finite electrodynamics from T-duality. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 829, 137100.	4.1	11
45	Enhancement of Compton scattering by an effective coupling constant. <i>Physical Review A</i> , 2011, 84, .	2.5	9
46	Generalized uncertainty principle and black holes in higher dimensional self-complete gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 008-008.	5.4	9
47	H-theorem for a relativistic plasma around black holes. <i>Physics of Plasmas</i> , 2006, 13, 052901.	1.9	8
48	Theories with maximal acceleration. <i>International Journal of Modern Physics A</i> , 2018, 33, 1830019.	1.5	8
49	Unparticle contribution to the hydrogen atom ground state energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 759, 589-592.	4.1	7
50	Title is missing!. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2012, 5, 897.	0.1	7
51	QUANTUM GRAVITY SIGNALS IN NEUTRINO OSCILLATIONS. <i>International Journal of Modern Physics E</i> , 2011, 20, 1-6.	1.0	6
52	Mini-review on mini-black holes from the mini-Big Bang. <i>Astronomische Nachrichten</i> , 2014, 335, 605-611.	1.2	6
53	AdS/CFT far from equilibrium in a Vaidya setup. <i>Journal of Physics: Conference Series</i> , 2017, 942, 012020.	0.4	6
54	Connecting horizon pixels and interior voxels of a black hole. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 738, 213-217.	4.1	4

#	ARTICLE	IF	CITATIONS
55	Primordial black holes in a dimensionally reduced universe. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 033-033.	5.4	4
56	Remarks on regular black holes. International Journal of Geometric Methods in Modern Physics, 2018, 15, 1850018.	2.0	4
57	MICRO BLACK HOLES IN THE LABORATORY. International Journal of Modern Physics E, 2011, 20, 7-14.	1.0	3
58	Experimental Tests of Quantum Gravity and Exotic Quantum Field Theory Effects. Advances in High Energy Physics, 2014, 2014, 1-2.	1.1	3
59	Black Holes and High Energy Physics: From Astrophysics to Large Extra Dimensions. , 2018, , 359-373.		1
60	Regularization ambiguity and van der Waals black hole in 2 + 1 dimensions. European Physical Journal C, 2021, 81, 1.	3.9	0
61	On the Lichnerowicz operator in traversable wormhole spacetimes. IOP SciNotes, 2021, 2, 035204.	0.8	0
62	Primordial black holes in a dimensionally oxidizing Universe. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 008-008.	5.4	0