

# Eduardo Passos

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

1,320  
citations

257450

24  
h-index

377865

34  
g-index

63  
all docs

63  
docs citations

63  
times ranked

294  
citing authors

#	ARTICLE	IF	CITATIONS
1	New $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle C \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -even and Lorentz-violating nonminimal coupling in the Dirac equation. Physical Review D, 2013, 87, .	4.7	88
2	Quantum-corrected self-dual black hole entropy in tunneling formalism with GUP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 181-186.	4.1	80
3	An analogy of the quantum hall conductivity in a Lorentz-symmetry violation setup. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 105004.	3.6	58
4	Lorentz violation in the linearized gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 652, 174-180.	4.1	56
5	Induction of the four-dimensional Lorentz-breaking non-Abelian Chern-Simons action. Physical Review D, 2007, 76, .	4.7	53
6	Lorentz-CPT violation, radiative corrections and finite temperature. Journal of High Energy Physics, 2007, 2007, 016-016.	4.7	52
7	Noncommutative Anandan quantum phase. Physical Review A, 2007, 76, .	2.5	49
8	A remark on Lorentz violation at finite temperature. Journal of High Energy Physics, 2005, 2005, 019-019.	4.7	46
9	Acoustic black holes from Abelian Higgs model with Lorentz symmetry breaking. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 694, 149-157.	4.1	45
10	Induced Chern-Simons-like action in Lorentz-violating massless QED. Physical Review D, 2008, 78, .	4.7	42
11	Analogue Aharonov-Bohm effect in a Lorentz-violating background. Physical Review D, 2012, 86, .	4.7	38
12	Chern-Simons-like action induced radiatively in general relativity. Physical Review D, 2004, 70, .	4.7	35
13	Landau analog levels for dipoles in non-commutative space and phase space. European Physical Journal C, 2008, 56, 597-606.	3.9	34
14	Superresonance effect from a rotating acoustic black hole and Lorentz symmetry breaking. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 703, 609-613.	4.1	32
15	Geometric phases modified by a Lorentz-symmetry violation background. International Journal of Modern Physics A, 2015, 30, 1550072.	1.5	30
16	The ambiguity-free four-dimensional Lorentz-breaking Chern-Simons action. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 664, 112-115.	4.1	28
17	Analogue Aharonov-Bohm effect in neo-Newtonian theory. Physical Review D, 2015, 92, .	4.7	27
18	Gravitational Aharonov-Bohm effect due to noncommutative BTZ black hole. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 184-188.	4.1	26

#	ARTICLE	IF	CITATIONS
19	Quantum-corrected finite entropy of noncommutative acoustic black holes. <i>Annals of Physics</i> , 2015, 362, 436-448.	2.8	26
20	Absorption and scattering of a noncommutative black hole. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 803, 135334.	4.1	26
21	Quasinormal modes and shadow of a Schwarzschild black hole with GUP. <i>Annals of Physics</i> , 2021, 434, 168662.	2.8	26
22	Noncommutative analogue Aharonov-Bohm effect and superresonance. <i>Physical Review D</i> , 2013, 87, .	4.7	25
23	Quantum correction to the entropy of noncommutative BTZ black hole. <i>General Relativity and Gravitation</i> , 2018, 50, 1.	2.0	25
24	Ambiguities in the effective action in Lorentz-violating gravity. <i>Physical Review D</i> , 2008, 78, .	4.7	24
25	Supersonic velocities in noncommutative acoustic black holes. <i>Physical Review D</i> , 2012, 85, .	4.7	24
26	The entropy of the noncommutative acoustic black hole based on generalized uncertainty principle. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 737, 6-11.	4.1	24
27	Lorentz and CPT symmetries in commutative and noncommutative spacetimes. <i>Journal of Physics A</i> , 2003, 36, 4937-4945.	1.6	19
28	Acoustic black holes and universal aspects of area products. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 1105-1109.	2.1	18
29	Lorentz-violating dimension-five operator contribution to the black body radiation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 785, 191-196.	4.1	18
30	Lorentz-violating Chern-Simons action under high temperature in massless QED. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 681, 495-499.	4.1	16
31	On the effective action of the vacuum photon splitting in Lorentz-violating QED. <i>Europhysics Letters</i> , 2011, 95, 51001.	2.0	16
32	Quasinormal modes and shadow of noncommutative black hole. <i>Scientific Reports</i> , 2022, 12, .	3.3	16
33	Quantum-corrected scattering and absorption of a Schwarzschild black hole with GUP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 810, 135830.	4.1	15
34	Berry's phase for a spin 1/2 particle in the presence of topological defects. <i>European Physical Journal C</i> , 2008, 57, 817-822.	3.9	14
35	Lorentz-violating extension of the spin-one Duffin-Kemmer-Petiau equation. <i>International Journal of Modern Physics A</i> , 2018, 33, 1850165.	1.5	14
36	Noncommutative correction to the entropy of Schwarzschild black hole with GUP. <i>International Journal of Modern Physics A</i> , 2021, 36, 2150028.	1.5	11

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37	Noncommutative Correction to the Entropy of BTZ Black Hole with GUP. <i>Advances in High Energy Physics</i> , 2021, 2021, 1-11.	1.1	11
38	Lifshitz scaling to Lorentz-violating high derivative operator and gamma-ray bursts. <i>Physical Review D</i> , 2016, 93, .	4.7	10
39	Quantum-corrected rotating acoustic black holes in Lorentz-violating background. <i>Physical Review D</i> , 2019, 100, .	4.7	10
40	The generalized uncertainty principle effect in acoustic black holes. <i>Annals of Physics</i> , 2022, 440, 168837.	2.8	10
41	Lorentz invariance violation and simultaneous emission of electromagnetic and gravitational waves. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 870-876.	4.1	9
42	Absorption and scattering of a black hole with a global monopole in $f(R)$ gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 788, 231-237.	4.1	9
43	Two-dimensional Lorentz-violating Chern-Simons-like action. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 662, 441-444.	4.1	8
44	Superluminal neutrinos from Lorentz-violating dimension-5 operators. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	8
45	Aharonov-Bohm effect for a fermion field in a planar black hole spacetime. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	7
46	Cosmology in the Universe with Distance Dependent Lorentz-Violating Background. <i>Advances in High Energy Physics</i> , 2017, 2017, 1-6.	1.1	7
47	Absorption and scattering by a self-dual black hole. <i>General Relativity and Gravitation</i> , 2020, 52, 1.	2.0	7
48	4D-2D projection of Lorentz-violating Myers-Pospelov QED. <i>Physical Review D</i> , 2012, 86, .	4.7	6
49	The entropy of an acoustic black hole in neo-Newtonian theory. <i>International Journal of Modern Physics A</i> , 2018, 33, 1850185.	1.5	5
50	Higher-derivative analogue Aharonov-Bohm effect, absorption and superresonance. <i>International Journal of Modern Physics A</i> , 2020, 35, 2050112.	1.5	5
51	Stochastic motion in an expanding noncommutative fluid. <i>Physical Review D</i> , 2021, 103, .	4.7	5
52	Spectral dimension of Horava-Snyder spacetime and the AdS $2+1$ - $S^{2+1}$ momentum space. <i>Europhysics Letters</i> , 2012, 99, 60003.	2.0	4
53	Diffusive process under Lifshitz scaling and pandemic scenarios. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 559, 125092.	2.6	4
54	Induction of the higher-derivative Chern-Simons extension in QED $3$ . <i>International Journal of Modern Physics A</i> , 2016, 31, 1650140.	1.5	3

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55	Induction of the Lorentz-violating effective actions in quantum electrodynamics. International Journal of Modern Physics A, 2017, 32, 1750128.	1.5	3
56	Soliton solutions in two-dimensional Lorentz-violating higher derivative scalar theory. Annals of Physics, 2018, 396, 351-370.	2.8	3
57	Analogue of the quantum Hall effect for neutral particles with magnetic dipole moment. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 849-851.	2.1	2
58	Consistency analysis of a CPT-even and CPT-odd Lorentz-violating effective field theory in the electrodynamics at Planck scale by an influence of a background isotropic field. International Journal of Modern Physics A, 2019, 34, 1950192.	1.5	2
59	Remarks on Lorentz and CPT violation in field theory. Brazilian Journal of Physics, 2006, 36, 1171-1177.	1.4	1
60	Lifshitz scaling in CPT-even Lorentz-violating electrodynamics and GRB time delay. European Physical Journal Plus, 2021, 136, 1.	2.6	1
61	A CPT-EVEN LORENTZ-VIOLATING NONMINIMAL COUPLING BETWEEN FERMIONS AND PHOTONS. , 2014, , 139-142.		0
62	LIV effects on the quantum stochastic motion in an acoustic FRW-geometry. European Physical Journal C, 2022, 82, 1.	3.9	0