

# Celio R Muniz

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47  
papers

412  
citations

13  
h-index

19  
g-index

52  
ext. papers

518  
ext. citations

3.4  
avg, IF

4.01  
L-index

#	Paper	IF	Citations
47	Comment on Greybody radiation and quasinormal modes of Kerr-like black hole in Bumblebee gravity model <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	1
46	Exact solution for a traversable wormhole in a curvature-coupled antisymmetric background field. <i>European Physical Journal C</i> , <b>2022</b> , 82,	4.2	
45	Casimir wormholes in $D+1$ dimensions with applications to the graphene. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
44	Quantum relativistic cosmology: Dynamical interpretation and tunneling universe. <i>International Journal of Modern Physics D</i> , <b>2021</b> , 30, 2050123	2.2	
43	Casimir effect in space-times of rotating wormholes. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
42	Ellis-Bronnikov Wormholes in Asymptotically Safe Gravity. <i>Universe</i> , <b>2021</b> , 7, 238	2.5	2
41	Casimir effect in a Schwarzschild-like wormhole spacetime. <i>International Journal of Modern Physics D</i> , <b>2021</b> , 30, 2150032	2.2	2
40	Remarks on Some Results Related to the Thermal Casimir Effect in Einstein and Closed Friedmann Universes with a Cosmic String. <i>Universe</i> , <b>2021</b> , 7, 232	2.5	0
39	Casimir effect nearby and through a cosmological wormhole. <i>Europhysics Letters</i> , <b>2021</b> , 135, 19002	1.6	2
38	Exact solutions of the Wheeler-DeWitt equation with ordering term in a dark energy scenario. <i>Physics of the Dark Universe</i> , <b>2020</b> , 28, 100547	4.4	2
37	Contributions of a modified electrodynamics to the molecular biochirality. <i>Chirality</i> , <b>2020</b> , 32, 1186-1190	2.1	1
36	Rainbow gravity corrections to the black hole global Casimir effect. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 1	3.1	0
35	Class of solutions of the Wheeler-DeWitt equation with ordering parameter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 809, 135712	4.2	2
34	Water Treatment Devices Based on Zero-Valent Metal and Metal Oxide Nanomaterials <b>2019</b> , 187-225		4
33	Null second order corrections to Casimir energy in weak gravitational field. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2019</b> , 2019, 011-011	6.4	7
32	Resonant frequencies of a charged scalar field in the Garfinkle-Horowitz-Strominger dilaton black hole. <i>International Journal of Modern Physics D</i> , <b>2019</b> , 28, 1950151	2.2	1
31	Some exact results on quantum Newtonian cosmology. <i>Journal of Mathematical Physics</i> , <b>2019</b> , 60, 102301	2	2

30	Casimir effect in an axially symmetric spacetime with unparticles. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	1
29	Landau levels in the presence of a cosmic string in rainbow gravity. <i>Annals of Physics</i> , <b>2019</b> , 401, 162-173	2.5	6
28	On the global Casimir effect in the Schwarzschild spacetime. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2018</b> , 2018, 006-006	6.4	11
27	Thermodynamic properties of static and rotating unparticle black holes. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2018</b> , 2018, 040-040	6.4	1
26	Quantum Vacuum Fluctuations in a Chromomagnetic-Like Background. <i>Brazilian Journal of Physics</i> , <b>2018</b> , 48, 645-651	1.2	
25	Casimir effect in the Kerr spacetime with quintessence. <i>Modern Physics Letters A</i> , <b>2017</b> , 32, 1750005	1.3	10
24	Dependence of the black-body force on spacetime geometry and topology. <i>Europhysics Letters</i> , <b>2017</b> , 117, 60001	1.6	1
23	Exact solutions and phenomenological constraints from massive scalars in a gravity rainbow spacetime. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	17
22	Casimir effect in the rainbow Einstein's universe. <i>Europhysics Letters</i> , <b>2017</b> , 120, 10005	1.6	11
21	Thermal Casimir effect in Kerr spacetime with quintessence and massive gravitons. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	4
20	Generalized nonminimal couplings in Randall-Sundrum scenarios. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	14
19	Remarks on a gravitational analogue of the Casimir effect. <i>International Journal of Modern Physics D</i> , <b>2016</b> , 25, 1641018	2.2	9
18	Variations in the fine-structure constant constraining gravity theories. <i>Europhysics Letters</i> , <b>2016</b> , 115, 40004	1.6	2
17	Relativistic Landau levels in the rotating cosmic string spacetime. <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	51
16	Photon mass as a probe to extra dimensions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 138-140	4.2	18
15	On effective spacetime dimension in the Hořava-Lifshitz gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 747, 536-540	4.2	5
14	Nonminimal couplings in Randall-Sundrum scenarios. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	13
13	Vacuum polarization at the boundary of a topological insulator. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	2

12	Effects of strong electric fields in a polyacetylene chain. <i>Journal of Physics and Chemistry of Solids</i> , <b>2015</b> , 82, 17-20	3.9	1
11	Casimir effect in the Hořava-Lifshitz gravity with a cosmological constant. <i>Annals of Physics</i> , <b>2015</b> , 359, 55-63	2.5	15
10	Some remarks on relativistic diffusion and the spectral dimension criterion. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	4
9	Self-force on an electric dipole in the spacetime of a cosmic string. <i>Annals of Physics</i> , <b>2014</b> , 340, 87-93	2.5	13
8	Exact solutions of the Klein-Gordon equation in the Kerr-Newman background and Hawking radiation. <i>Annals of Physics</i> , <b>2014</b> , 350, 14-28	2.5	46
7	Landau quantization in the spinning cosmic string spacetime. <i>Annals of Physics</i> , <b>2014</b> , 350, 105-111	2.5	42
6	Thermal Casimir effect in closed cosmological models with a cosmic string. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	18
5	Casimir effect due to a slowly rotating source in the weak-field approximation. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	13
4	Hořava-Lifshitz gravity effects on Casimir energy in weak field approximation and infrared regime. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	19
3	Bulk antisymmetric tensor fields coupled to a dilaton in a Randall-Sundrum model. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	11
2	Antisymmetric tensor fields in Randall-Sundrum thick branes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 693, 503-508	4.2	24
1	Electronic oscillations in paired polyacetylene chains. <i>Solid State Communications</i> , <b>2010</b> , 150, 1457-1459	1.6	1