

# Ulises Nucamendi

## List of Publications by Year in descending order

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51  
papers

1,007  
citations

471509

17  
h-index

434195

31  
g-index

52  
all docs

52  
docs citations

52  
times ranked

621  
citing authors

#	ARTICLE	IF	CITATIONS
1	A general relativistic estimation of the black hole mass-to-distance ratio at the core of TXS 2226+184. <i>Astronomy and Astrophysics</i> , 2022, 662, L9.	5.1	5
2	Mass and spin of Kerr black holes in terms of observational quantities: The dragging effect on the redshift. <i>Physical Review D</i> , 2022, 105, .	4.7	5
3	General relativistic formulas for mass and spin of a Kerr black hole in terms of redshifts and orbital parameters. <i>Astronomische Nachrichten</i> , 2021, 342, 198-204.	1.2	3
4	Quantum origin of inflation in the geometric inflation model. <i>Physical Review D</i> , 2021, 103, .	4.7	6
5	Mass parameter and the bounds on redshifts and blueshifts of photons emitted from geodesic particle orbiting in the vicinity of regular black holes. <i>Physical Review D</i> , 2021, 103, .	4.7	6
6	Revisiting cosmological diffusion models in Unimodular Gravity and the $H^2 \propto \frac{1}{a^2} \left( \frac{\dot{a}}{a} \right)^2$ tension. <i>Physics of the Dark Universe</i> , 2021, 32, 100807.	4.9	23
7	Toward the Gravitational Redshift Detection in NGC 4258 and the Estimation of Its Black Hole Mass-to-distance Ratio. <i>Astrophysical Journal Letters</i> , 2021, 917, L14.	8.3	7
8	Revisiting dynamics of interacting quintessence. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	2
9	Equivalence between Horndeski and beyond Horndeski theories and imperfect fluids. <i>Physical Review D</i> , 2020, 102, .	4.7	11
10	Bounds on spinning particles in their innermost stable circular orbits around rotating braneworld black hole. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	16
11	Global asymptotic dynamics of cosmological Einsteinian cubic gravity. <i>Physical Review D</i> , 2020, 102, .	4.7	17
12	Schwarzschild black hole surrounded by quintessential matter field as an accelerator for spinning particles. <i>Physical Review D</i> , 2020, 102, .	4.7	8
13	Inflationary equilibrium configurations of scalar-tensor theories of gravity. <i>Physical Review D</i> , 2020, 101, .	4.7	1
14	Effects of dark energy anisotropic stress on the matter power spectrum. <i>Physics of the Dark Universe</i> , 2020, 30, 100668.	4.9	2
15	On the phantom barrier crossing and the bounds on the speed of sound in non-minimal derivative coupling theories. <i>Classical and Quantum Gravity</i> , 2018, 35, 075005.	4.0	20
16	Mass and spin of a Kerr black hole in modified gravity and a test of the Kerr black hole hypothesis. <i>Physical Review D</i> , 2018, 97, .	4.7	26
17	Dynamical systems analysis of the cubic galileon beyond the exponential potential and the cosmological analogue of the vDVZ discontinuity. <i>Classical and Quantum Gravity</i> , 2018, 35, 145001.	4.0	12
18	Obtaining mass parameters of compact objects from redshifts and blueshifts emitted by geodesic particles around them. <i>Physical Review D</i> , 2016, 94, .	4.7	25

#	ARTICLE	IF	CITATIONS
19	Cubic derivative interactions and asymptotic dynamics of the galileon vacuum. Classical and Quantum Gravity, 2016, 33, 125036.	4.0	13
20	Kerr black hole parameters in terms of the redshift/blueshift of photons emitted by geodesic particles. Physical Review D, 2015, 92, .	4.7	36
21	Mass hierarchy, mass gap and corrections to Newton's law on thick branes with Poincaré symmetry. General Relativity and Gravitation, 2014, 46, 1.	2.0	22
22	A relativistic axisymmetric approach to the galactic rotation curves problem. Journal of Physics: Conference Series, 2014, 545, 012006.	0.4	1
23	Bulk viscous matter-dominated Universes: asymptotic properties. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 012-012.	5.4	20
24	On the galactic rotation curves problem within an axisymmetric approach. Monthly Notices of the Royal Astronomical Society, 2013, 432, 301-306.	4.4	6
25	Thick brane isotropization in a generalized 5D anisotropic standing wave braneworld model. Physical Review D, 2013, 87, .	4.7	16
26	Reconstruction of the interaction term between dark matter and dark energy using SNe Ia. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 011-011.	5.4	6
27	Interrelated aspects of thick braneworlds: 4D gravity localization, smoothness of geometry and mass gap in the graviton spectrum. Journal of Physics: Conference Series, 2010, 222, 012003.	0.4	0
28	ASPECTS OF THICK BRANE WORLDS: 4D GRAVITY LOCALIZATION, SMOOTHNESS, AND MASS GAP. Modern Physics Letters A, 2010, 25, 2089-2097.	1.2	30
29	Reconstructing the interaction term between dark matter and dark energy. , 2010, , .		1
30	Exploring a matter-dominated model with bulk viscosity to drive the accelerated expansion of the Universe. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 009-009.	5.4	74
31	Can a matter-dominated model with constant bulk viscosity drive the accelerated expansion of the universe?. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 006-006.	5.4	87
32	A smooth version of the RS model. AIP Conference Proceedings, 2008, , .	0.4	1
33	Constraining a bulk viscous matter-dominated cosmological model using SNe Ia, CMB and LSS. AIP Conference Proceedings, 2008, , .	0.4	8
34	Constraining a matter-dominated cosmological model with bulk viscosity proportional to the Hubble parameter. , 2008, , .		5
35	Mass gap for gravity localized on thick branes. , 2008, , .		1
36	Photon-graviton mixing in an electromagnetic field. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 164048.	2.1	4

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37	One loop photon-graviton mixing in an electromagnetic field: part 2. Journal of High Energy Physics, 2007, 2007, 099-099.	4.7	26
38	Stability properties of Q-stars. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 657, 263-268.	4.1	3
39	Scalar hairy black holes and scalarons in the isolated horizons formalism. Physical Review D, 2006, 73, .	4.7	10
40	Scalar-hairy Black Holes and Solitons: their fate in asymptotically flat spacetimes. AIP Conference Proceedings, 2005, , .	0.4	0
41	Violation of the weak energy condition: Is it generic of spontaneous scalarization?. Physical Review D, 2004, 70, .	4.7	5
42	Scalar hairy black holes and solitons in asymptotically flat spacetimes. Physical Review D, 2003, 68, .	4.7	67
43	Global monopoles non-minimally coupled to gravity and astrophysical implications. AIP Conference Proceedings, 2001, , .	0.4	1
44	Alternative approach to the galactic dark matter problem. Physical Review D, 2001, 63, .	4.7	120
45	Mass formula for Einstein-Yang-Mills solitons. Physical Review D, 2001, 64, .	4.7	6
46	Black holes with zero mass. Classical and Quantum Gravity, 2000, 17, 4051-4058.	4.0	14
47	Einstein-Yang-Mills isolated horizons: Phase space, mechanics, hair, and conjectures. Physical Review D, 2000, 62, .	4.7	52
48	Nonminimal Global Monopoles and Bound Orbits. Physical Review Letters, 2000, 84, 3037-3040.	7.8	57
49	SU(N)- and SO(N)-invariant chiral fields: One- and two-dimensional subspaces. Journal of Mathematical Physics, 1999, 40, 2500-2513.	1.1	2
50	Spontaneous scalarization. Physical Review D, 1998, 58, .	4.7	78
51	Quasi-asymptotically flat spacetimes and their ADM mass. Classical and Quantum Gravity, 1997, 14, 1309-1327.	4.0	40