

Vilson Tonin Zanchin

List of Publications by Year in descending order

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63
papers

2,087
citations

361413

20
h-index

223800

46
g-index

63
all docs

63
docs citations

63
times ranked

1113
citing authors

#	ARTICLE	IF	CITATIONS
1	Geodesic stability, Lyapunov exponents, and quasinormal modes. <i>Physical Review D</i> , 2009, 79, .	4.7	569
2	Rotating charged black strings and three-dimensional black holes. <i>Physical Review D</i> , 1996, 54, 3840-3853.	4.7	259
3	Electrically charged compact stars and formation of charged black holes. <i>Physical Review D</i> , 2003, 68, .	4.7	206
4	Regular black holes: Electrically charged solutions, Reissner-Nordström outside a de Sitter core. <i>Physical Review D</i> , 2011, 83, .	4.7	122
5	On the Newtonian cosmology equations with pressure. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 291, L1-L4.	4.4	102
6	Polytropic spheres with electric charge: Compact stars, the Oppenheimer-Volkoff and Buchdahl limits, and quasiblack holes. <i>Physical Review D</i> , 2013, 88, .	4.7	58
7	Charged polytropic compact stars. <i>Brazilian Journal of Physics</i> , 2004, 34, 310-314.	1.4	52
8	Regular black holes in d spacetime dimensions. <i>Physical Review D</i> , 2016, 94, .	4.7	49
9	Quasinormal modes of plane-symmetric black holes according to the AdS/CFT correspondence. <i>Journal of High Energy Physics</i> , 2008, 2008, 030-030.	4.7	46
10	DEFORMED DISTANCE DUALITY RELATIONS AND SUPERNOVA DIMMING. <i>Astrophysical Journal Letters</i> , 2011, 742, L26.	8.3	43
11	Reheating in the presence of noise. <i>Physical Review D</i> , 1998, 57, 4651-4662.	4.7	41
12	Quasinormal modes of plane-symmetric anti-de Sitter black holes: A complete analysis of the gravitational perturbations. <i>Physical Review D</i> , 2006, 73, .	4.7	36
13	Gravitational quasinormal modes of AdS black branes in d spacetime dimensions. <i>Journal of High Energy Physics</i> , 2009, 2009, 117-117.	4.7	36
14	Effective holographic models for QCD: Glueball spectrum and trace anomaly. <i>Physical Review D</i> , 2018, 97, .	4.7	31
15	Quasiblack holes with pressure: Relativistic charged spheres as the frozen stars. <i>Physical Review D</i> , 2010, 81, .	4.7	28
16	Gravitational magnetic monopoles and Majumdar-Papapetrou stars. <i>Journal of Mathematical Physics</i> , 2006, 47, 042504.	1.1	25
17	Bonnor stars in d spacetime dimensions. <i>Physical Review D</i> , 2008, 77, .	4.7	25
18	Phase diagram and compact stars in a holographic QCD model. <i>Physical Review D</i> , 2020, 102, .	4.7	23

#	ARTICLE	IF	CITATIONS
19	Incompressible relativistic spheres: Electrically charged stars, compactness bounds, and quasiblack hole configurations. <i>Physical Review D</i> , 2014, 89, .	4.7	22
20	Quasinormal modes of black holes in anti-de Sitter space: A numerical study of the eikonal limit. <i>Physical Review D</i> , 2009, 80, .	4.7	20
21	Compact stars with a small electric charge: the limiting radius to mass relation and the maximum mass for incompressible matter. <i>European Physical Journal C</i> , 2015, 75, 1.	3.9	20
22	Class of exact solutions of Einstein's field equations in higher dimensional spacetimes, d=4: Majumdar-Papapetrou solutions. <i>Physical Review D</i> , 2005, 71, .	4.7	19
23	Electrically charged fluids with pressure in Newtonian gravitation and general relativity in d spacetime dimensions: Theorems and results for Weyl type systems. <i>Physical Review D</i> , 2009, 80, .	4.7	19
24	Three-dimensional BTZ black hole as a cylindrical system in four-dimensional general relativity. <i>Physical Review D</i> , 1996, 53, 4684-4686.	4.7	18
25	OF CHARGED STARS AND CHARGED BLACK HOLES. <i>International Journal of Modern Physics D</i> , 2004, 13, 1375-1379.	2.1	18
26	Evolving black holes from conformal transformations of static solutions. <i>Physical Review D</i> , 2017, 95, .	4.7	16
27	Relativistic polytropic spheres with electric charge: Compact stars, compactness and mass bounds, and quasiblack hole configurations. <i>Physical Review D</i> , 2018, 97, .	4.7	14
28	Regular black holes: Guilfoyle's electrically charged solutions with a perfect fluid phantom core. <i>Physical Review D</i> , 2016, 93, .	4.7	13
29	From quasinormal modes of rotating black strings to hydrodynamics of a moving CFT plasma. <i>Physical Review D</i> , 2018, 98, .	4.7	13
30	Third-order relativistic hydrodynamics: dispersion relations and transport coefficients of a dual plasma. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	13
31	GRAVITATIONAL PERTURBATIONS AND QUASINORMAL MODES OF BLACK HOLES WITH NON-SPHERICAL TOPOLOGY. <i>International Journal of Modern Physics D</i> , 2007, 16, 421-426.	2.1	12
32	Sharp bounds on the radius of relativistic charged spheres: Guilfoyle's stars saturate the Buchdahl-Andr�asson bound. <i>Classical and Quantum Gravity</i> , 2015, 32, 135009.	4.0	11
33	Publisher's Note: Regular black holes in $f(R)$ spacetime dimensions: Theorems and results for Weyl type systems. <i>Physical Review D</i> , 2016, 94, .		
34	The strong coupling constant: Its theoretical derivation from a geometric approach to hadron structure. <i>Foundations of Physics Letters</i> , 1994, 7, 85-93.	0.6	9
35	Separable wave equations for gravitoelectromagnetic perturbations of rotating charged black strings. <i>Classical and Quantum Gravity</i> , 2015, 32, 235002.	4.0	9
36	Melting of scalar mesons and black-hole quasinormal modes in a holographic QCD model. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	8

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37	Effective holographic models for QCD: Thermodynamics and viscosity coefficients. <i>Physical Review D</i> , 2021, 104, .	4.7	8
38	Continuous media interpretation of supersymmetric Wess-Zumino type models. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 198, 79-84.	2.1	7
39	Accretion of cold and hot dark matter onto cosmic string filaments. <i>Physical Review D</i> , 1996, 54, 7129-7137.	4.7	7
40	Electromagnetic quasinormal modes of rotating black strings and the AdS/CFT correspondence. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	7
41	Plethora of relativistic charged spheres: The full spectrum of Guifoyle's static, electrically charged spherical solutions. <i>Physical Review D</i> , 2017, 95, .	4.7	7
42	Charged black holes in expanding Einstein-de Sitter universes. <i>Classical and Quantum Gravity</i> , 2015, 32, 115004.	4.0	5
43	Generalized nonconservative gravitational field equations from Herglotz action principle. <i>Physical Review D</i> , 2022, 105, .	4.7	5
44	New regular black hole solutions and other electrically charged compact objects with a de Sitter core and a matter layer. <i>International Journal of Modern Physics D</i> , 2018, 27, 1843015.	2.1	4
45	Charged cosmological black holes: A thorough study of a family of solutions. <i>Physical Review D</i> , 2019, 100, .	4.7	4
46	Four-dimensional anti-de Sitter toroidal black holes from a three-dimensional perspective: Full complexity. <i>Physical Review D</i> , 2002, 66, .	4.7	3
47	Spherical and planar three-dimensional anti-de Sitter black holes. <i>Classical and Quantum Gravity</i> , 2004, 21, 875-897.	4.0	3
48	Stability of regular black holes and other compact objects with a charged de Sitter core and a surface matter layer. <i>Physical Review D</i> , 2021, 103, .	4.7	3
49	Does thermodynamics require our cosmos to undergo a series of contraction/expansion cycles?. <i>Progress in Particle and Nuclear Physics</i> , 1986, 17, 143-152.	14.4	2
50	New regular black hole solutions. , 2011, , .		2
51	New results on the physical interpretation of black-brane gravitational perturbations. <i>Physical Review D</i> , 2019, 100, .	4.7	2
52	Fifth force, sixth force, and all that: a theoretical (classical) comment. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1990, 105, 701-705.	0.2	1
53	Regge-like relations for stable (non-evaporating) black holes. <i>Foundations of Physics Letters</i> , 1994, 7, 167-179.	0.6	1
54	CHARGED (n+1)-DIMENSIONAL EINSTEIN-MAXWELL SYSTEMS. <i>International Journal of Modern Physics D</i> , 2004, 13, 1525-1529.	2.1	1

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55	Does thermodynamics require a new expansion after the "big crunch" of our cosmos?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 177, 304-309.	4.1	0
56	Chaotic emission from electromagnetic systems considering self-interaction. Physical Review D, 2006, 73, .	4.7	0
57	CHARGED POLYTROPIC STARS AND QUASIBLACK HOLES. , 2015, , .		0
58	Publisher's Note: Plethora of relativistic charged spheres: The full spectrum of Guilfoyle's static, electrically charged spherical solutions [Phys. Rev. D 95 , 104040 (2017)]. Physical Review D, 2020, 102, .	4.7	0
59	New results on quasinormal modes of anti-de Sitter black holes. , 2009, , .		0
60	Weyl-Guilfoyle fluids and quasiblack holes with pressure. , 2009, , .		0
61	Hawking radiation and conformal anomalies in two-dimensional AdS spacetimes. , 2009, , .		0
62	Compactness of relativistic charged spheres. , 2017, , .		0
63	Regular black holes from electrically charged phantom fluids. , 2017, , .		0