Vilson Tonin Zanchin

List of Publications by Year
in descending order

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	Generalized nonconservative gravitational field equations from Herglotz action principle. Physical Review D, 2022, 105, .	4.7	5
2	Stability of regular black holes and other compact objects with a charged de Sitter core and a surface matter layer. Physical Review D, 2021, 103, .	4.7	3
3	Effective holographic models for QCD: Thermodynamics and viscosity coefficients. Physical Review D, 2021, 104, .	4.7	8
4	Phase diagram and compact stars in a holographic QCD model. Physical Review D, 2020, 102, .	4.7	23
5	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
6	Third-order relativistic hydrodynamics: dispersion relations and transport coefficients of a dual plasma. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
7	New results on the physical interpretation of black-brane gravitational perturbations. Physical Review D, 2019, 100, .	4.7	2
8	Melting of scalar mesons and black-hole quasinormal modes in a holographic QCD model. European Physical Journal C, 2019, 79, 1.	3.9	8
9	Charged cosmological black holes: A thorough study of a family of solutions. Physical Review D, 2019, 100, .	4.7	4
10	Effective holographic models for QCD: Glueball spectrum and trace anomaly. Physical Review D, 2018, 97, .	4.7	31
11	New regular black hole solutions and other electrically charged compact objects with a de Sitter core and a matter layer. International Journal of Modern Physics D, 2018, 27, 1843015.	2.1	4
12	Relativistic polytropic spheres with electric charge: Compact stars, compactness and mass bounds, and quasiblack hole configurations. Physical Review D, 2018, 97, .	4.7	14
13	From quasinormal modes of rotating black strings to hydrodynamics of a moving CFT plasma. Physical Review D, 2018, 98, .	4.7	13
14	Evolving black holes from conformal transformations of static solutions. Physical Review D, 2017, 95, .	4.7	16
15	Plethora of relativistic charged spheres: The full spectrum of Guifoyle's static, electrically charged spherical solutions. Physical Review D, 2017, 95, .	4.7	7
16	Compactness of relativistic charged spheres. , 2017, , .		0
17	Regular black holes from electrically charged phantom fluids. , 2017, , .		0
18	Publisher's Note: Regular black holes in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo mathvariant="bold" stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo mathvariant="bold">) Tj ETQq0 0 0 rg BT /Overlock 10 T D94, 024062 (2016)]. Physical Review D, 2016, 94, .	4.7	10

#	Article	IF	Citations
19	Regular black holes in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 737 Td (stretchy="false" Review D, 2016, 94, .	4.7	19
20	Regular black holes: Guilfoyle’s electrically charged solutions with a perfect fluid phantom core. Physical Review D, 2016, 93, .	4.7	13
21	Separable wave equations for gravitoelectromagnetic perturbations of rotating charged black strings. Classical and Quantum Gravity, 2015, 32, 235002.	4.0	9
22	Compact stars with a small electric charge: the limiting radius to mass relation and the maximum mass for incompressible matter. European Physical Journal C, 2015, 75, 1.	3.9	20
23	Charged black holes in expanding Einstein–de Sitter universes. Classical and Quantum Gravity, 2015, 32, 115004.	4.0	5
24	Sharp bounds on the radius of relativistic charged spheres: Guilfoyle's stars saturate the Buchdahl–Andréasson bound. Classical and Quantum Gravity, 2015, 32, 135009.	4.0	11
25	CHARGED POLYTROPIC STARS AND QUASIBLACK HOLES. , 2015, , .		0
26	Incompressible relativistic spheres: Electrically charged stars, compactness bounds, and quasiblack hole configurations. Physical Review D, 2014, 89, .	4.7	22
27	Electromagnetic quasinormal modes of rotating black strings and the AdS/CFT correspondence. Journal of High Energy Physics, 2013, 2013, 1.	4.7	7
28	Polytropic spheres with electric charge: Compact stars, the Oppenheimer-Volkoff and Buchdahl limits, and quasiblack holes. Physical Review D, 2013, 88, .	4.7	58
29	Regular black holes: Electrically charged solutions, Reissner-Nordström outside a deÂSitter core. Physical Review D, 2011, 83, .	4.7	122
30	DEFORMED DISTANCE DUALITY RELATIONS AND SUPERNOVA DIMMING. Astrophysical Journal Letters, 2011, 742, L26.	8.3	43
31	New regular black hole solutions. , 2011, , .		2
32	Quasiblack holes with pressure: Relativistic charged spheres as the frozen stars. Physical Review D, 2010, 81, .	4.7	28
33	Gravitational quasinormal modes of AdS black branes in<i>d</i>spacetime dimensions. Journal of High Energy Physics, 2009, 2009, 117-117.	4.7	36
34	Geodesic stability, Lyapunov exponents, and quasinormal modes. Physical Review D, 2009, 79, .	4.7	569
35	Quasinormal modes of black holes in anti-de Sitter space: A numerical study of the eikonal limit. Physical Review D, 2009, 80, .	4.7	20
36	Electrically charged fluids with pressure in Newtonian gravitation and general relativity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>spacetime dimensions: Theorems and results for Weyl type systems. Physical Review D, 2009, 80, .	4.7	19

#	Article	IF	Citations
37	New results on quasinormal modes of anti-de Sitter black holes. , 2009, , .		0
38	Weyl-Guilfoyle fluids and quasiblack holes with pressure. , 2009, , .		0
39	Hawking radiation and conformal anomalies in two-dimensional AdS spacetimes. , 2009, , .		0
40	Bonnor stars in d spacetime dimensions. Physical Review D, 2008, 77, .	4.7	25
41	Quasinormal modes of plane-symmetric black holes according to the AdS/CFT correspondence. Journal of High Energy Physics, 2008, 2008, 030-030.	4.7	46
42	GRAVITATIONAL PERTURBATIONS AND QUASINORMAL MODES OF BLACK HOLES WITH NON-SPHERICAL TOPOLOGY. International Journal of Modern Physics D, 2007, 16, 421-426.	2.1	12
43	Chaotic emission from electromagnetic systems considering self-interaction. Physical Review D, 2006, 73, .	4.7	0
44	Quasinormal modes of plane-symmetric anti-de Sitter black holes: A complete analysis of the gravitational perturbations. Physical Review D, 2006, 73, .	4.7	36
45	Gravitational magnetic monopoles and Majumdar-Papapetrou stars. Journal of Mathematical Physics, 2006, 47, 042504.	1.1	25
46	Class of exact solutions of Einstein's field equations in higher dimensional spacetimes, d≥4: Majumdar-Papapetrou solutions. Physical Review D, 2005, 71, .	4.7	19
47	Charged polytropic compact stars. Brazilian Journal of Physics, 2004, 34, 310-314.	1.4	52
48	Spherical and planar three-dimensional anti-de Sitter black holes. Classical and Quantum Gravity, 2004, 21, 875-897.	4.0	3
49	CHARGED (n+1)-DIMENSIONAL EINSTEIN–MAXWELL SYSTEMS. International Journal of Modern Physics D, 2004, 13, 1525-1529.	2.1	1
50	OF CHARGED STARS AND CHARGED BLACK HOLES. International Journal of Modern Physics D, 2004, 13, 1375-1379.	2.1	18
51	Electrically charged compact stars and formation of charged black holes. Physical Review D, 2003, 68, .	4.7	206
52	Four-dimensional anti–de Sitter toroidal black holes from a three-dimensional perspective: Full complexity. Physical Review D, 2002, 66, .	4.7	3
53	Reheating in the presence of noise. Physical Review D, 1998, 57, 4651-4662.	4.7	41
54	On the Newtonian cosmology equations with pressure. Monthly Notices of the Royal Astronomical Society, 1997, 291, L1-L4.	4.4	102

#	Article	IF	Citations
55	Three-dimensional BTZ black hole as a cylindrical system in four-dimensional general relativity. Physical Review D, 1996, 53, 4684-4686.	4.7	18
56	Rotating charged black strings and three-dimensional black holes. Physical Review D, 1996, 54, 3840-3853.	4.7	259
57	Accretion of cold and hot dark matter onto cosmic string filaments. Physical Review D, 1996, 54, 7129-7137.	4.7	7
58	Continuous media interpretation of supersymmetric Wess-Zumino type models. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 198, 79-84.	2.1	7
59	The strong coupling constant: Its theoretical derivation from a geometric approach to hadron structure. Foundations of Physics Letters, 1994, 7, 85-93.	0.6	9
60	â€œRegge-likeâ€•relations for stable (non-evaporating) black holes. Foundations of Physics Letters, 1994, 7, 167-179.	0.6	1
61	Fifth force, sixth force, and all that: a theoretical (classical) comment. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1990, 105, 701-705.	0.2	1
62	Does thermodynamics require our cosmos to undergo a series of contraction/expansion cycles?. Progress in Particle and Nuclear Physics, 1986, 17, 143-152.	14.4	2
63	Does thermodynamics require a new expansion after the â€œbig crunchâ€•of our cosmos?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 177, 304-309.	4.1	0