Xiang-Hua Zhai

List of Publications by Year
in descending order

37 papers	574 citations	687363 13 h-index	610901 24 g-index
37 all docs	37 docs citations	37 times ranked	259 citing authors

#	Article	IF	Citations
1	Attractive or repulsive nature of the Casimir force for rectangular cavity. Physical Review D, 1997, 56, 2155-2162.	4.7	86
2	VISCOUS GENERALIZED CHAPLYGIN GAS. International Journal of Modern Physics D, 2006, 15, 1151-1161.	2.1	76
3	Casimir pistons with hybrid boundary conditions. Physical Review D, 2007, 76, .	4.7	72
4	Spherically symmetric configuration 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>Q</mml:mi><mml:mo stretchy="false">)</mml:mo></mml:math> gravity. Physical Review D, 2021, 103, .	4.7	69
5	Scalar clouds around Kerrâ€"Sen black holes. Classical and Quantum Gravity, 2017, 34, 155002.	4.0	26
6	Instability for massive scalar fields in Kerr-Newman spacetime. Physical Review D, 2018, 98, .	4.7	24
7	Alternative mechanism of avoiding the big rip or little rip for a scalar phantom field. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 482-489.	4.1	21
8	Rigorous proof of the attractive nature for the Casimir force of ap-odd hypercube. Journal of Physics A, 2001, 34, 11053-11057.	1.6	20
9	THE CASIMIR FORCE OF QUANTUM SPRING IN THE (D+1)-DIMENSIONAL SPACETIME. Modern Physics Letters A, 2011, 26, 669-679.	1.2	18
10	Schwarzschild solution as a result of thermodynamics. Physical Review D, 2014, 89, .	4.7	16
11	Solar system tests for realistic f(T) models with non-minimal torsionâ€"matter coupling. European Physical Journal C, 2017, 77, 1.	3.9	16
12	CASIMIR PISTONS FOR MASSIVE SCALAR FIELDS. Modern Physics Letters A, 2009, 24, 393-400.	1.2	14
13	Massive charged Dirac fields around Reissner-NordstrÃ¶m black holes: Quasibound states and long-lived modes. Physical Review D, 2017, 96, .	4.7	14
14	Towards realisticf(T)models with nonminimal torsion-matter coupling extension. Physical Review D, 2015, 92, .	4.7	13
15	Fermionic Casimir effect with helix boundary condition. European Physical Journal C, 2011, 71, 1.	3.9	11
16	Superradiant instability of a Kerr-like black hole in Einstein-bumblebee gravity. Physical Review D, 2021, 104, .	4.7	11
17	CASIMIR EFFECT UNDER QUASI-PERIODIC BOUNDARY CONDITION INSPIRED BY NANOTUBES. Modern Physics Letters A, 2014, 29, 1450004.	1.2	9
18	Realistic neutron star models in f(T) gravity. European Physical Journal C, 2022, 82, 1.	3.9	9

#	Article	IF	Citations
19	Spherical collapse and virialization in $f(T)$ gravities. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 040-040.	5.4	8
20	ON THE QUINTESSENCE WITH ABELIAN AND NON-ABELIAN SYMMETRY. International Journal of Modern Physics A, 2003, 18, 5921-5930.	1.5	6
21	Vaidya solution and its generalization in de Rham-Gabadadze-Tolley massive gravity. Physical Review D, 2016, 94, .	4.7	6
22	New proper tetrad for teleparallel gravity in curved spacetimes. Physical Review D, 2019, 99, .	4.7	6
23	Artificial neural network for constructing type Ia supernovae spectrum evolution model. Physical Review D, 2018, 97, .	4.7	4
24	Entropies and the first laws of black hole thermodynamics in Einstein-aether-Maxwell theory. Classical and Quantum Gravity, 2020, 37, 185015.	4.0	4
25	Action functional of the Cardassian universe. Physical Review D, 2017, 95, .	4.7	3
26	Multi-pole dark energy *. Chinese Physics C, 2020, 44, 105103.	3.7	3
27	Examining the weak cosmic censorship conjecture by gedanken experiments for an Einstein–Maxwell–Dilaton–Axion black hole. Modern Physics Letters A, 2020, 35, 2050335.	1.2	3
28	Some developments of the Casimir effect in p-cavity of $(D + 1)$-dimensional space–time. International Journal of Modern Physics A, 2014, 29, 1430068.	1.5	2
29	Diagnostics for generalized power-law torsion–matter coupling f(T) model. International Journal of Modern Physics D, 2019, 28, 1950031.	2.1	1
30	Solar system tests of a new class of f(z) theory. International Journal of Modern Physics D, 2020, 29, 2050060.	2.1	1
31	Generalized off-shell ADT conserved charges in the presence of matter Chern–Simons term. Classical and Quantum Gravity, 2020, 37, 085021.	4.0	1
32	Scalar Perturbations of Black Holes in the $f(R)=R-2\alpha R$ Model. Universe, 2022, 8, 47.	2.5	1
33	Equivalence of zeta function technique and Abel–Plana formula in regularizing the Casimir energy of hyper-rectangular cavities. Modern Physics Letters A, 2014, 29, 1450181.	1.2	0
34	Statefinder diagnostic for a generalized Proca model. Modern Physics Letters A, 2017, 32, 1750160.	1.2	0
35	Generalized quantum spring. Modern Physics Letters A, 2020, 35, 2050088.	1.2	0
36	Off-shell ADT conserved quantities in Palatini gravity. Classical and Quantum Gravity, 2021, 38, 075002.	4.0	0

#	ARTICLE	IF	CITATIONS
37	Artificial neural network spectral light curve template for type Ia supernovae and its cosmological constraints. Modern Physics Letters A, 2021, 36, 2150149.	1.2	0