Zhen-Ming Xu

List of Publications by Year
in descending order

20 papers	369 citations	687363 13 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	126 citing authors

#	Article	IF	Citations
1	Thermal molecular potential among micromolecules in charged AdS black holes. Physical Review D, 2018, 98, .	4.7	48
2	Ruppeiner thermodynamic geometry for the Schwarzschild-AdS black hole. Physical Review D, 2020, 101, .	4.7	46
3	Microscopic structures and thermal stability of black holes conformally coupled to scalar fields in five dimensions. Nuclear Physics B, 2019, 942, 205-220.	2.5	36
4	Parametric phase transition for a Gauss-Bonnet AdS black hole. Physical Review D, 2018, 98, .	4.7	28
5	Interaction potential and thermo-correction to the equation of state for thermally stable Schwarzschild anti-de Sitter black holes. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	23
6	Validity of Maxwell equal area law for black holes conformally coupled to scalar fields in $$ext {AdS}_5$$ AdS 5 spacetime. European Physical Journal C, 2017, 77, 1.	3.9	21
7	Thermodynamics of Horndeski black holes with non-minimal derivative coupling. European Physical Journal C, 2016, 76, 1.	3.9	19
8	Maxwellâ€™s equal area law for Lovelock thermodynamics. International Journal of Modern Physics D, 2017, 26, 1750037.	2.1	19
9	Fine micro-thermal structures for Reissner-NordstrÃ¶m black hole *. Chinese Physics C, 2020, 44, 095106.	3.7	19
10	Thermodynamics of noncommutative high-dimensional AdS black holes with non-Gaussian smeared matter distributions. European Physical Journal C, 2016, 76, 1.	3.9	14
11	Phase transition and entropy inequality of noncommutative black holes in a new extended phase space. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 046-046.	5.4	14
12	Diagnosis inspired by the thermodynamic geometry for different thermodynamic schemes of the charged BTZ black hole. European Physical Journal C, 2020, 80, 1.	3.9	14
13	The correspondence between thermodynamic curvature and isoperimetric theorem from ultraspinning black hole. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135529.	4.1	13
14	Ruppeiner geometry and thermodynamic phase transition of the black hole in massive gravity. European Physical Journal C, 2021, 81, 1.	3.9	12
15	Analytic phase structures and thermodynamic curvature for the charged AdS black hole in alternative phase space. Frontiers of Physics, 2021, 16, 1.	5.0	12
16	Fokker-Planck equation for black holes in thermal potential. Physical Review D, 2021, 104, .	4.7	10
17	van der Waals fluid and charged AdS black hole in the Landau theory. Classical and Quantum Gravity, 2021, 38, 205008.	4.0	8
18	Ruppeiner geometry of the RN-AdS black hole using shadow formalism. Nuclear Physics B, 2022, 976, 115698.	2.5	7

#	Article	IF	Citations
19	Thermodynamics curvature in phase transitions for AdS black hole. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 821, 136632.	4.1	5
20	A new measure of thermal micro-behavior for the AdS black hole. Chinese Physics C, 2021, 45, 015106.	3.7	1