

Lorenzo Gavassino

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

254
citations

840776

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1058476

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all docs

14
docs citations

14
times ranked

48
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic Stability Implies Causality. <i>Physical Review Letters</i> , 2022, 128, 010606.	7.8	29
2	Extending Israel and Stewart hydrodynamics to relativistic superfluids via Carter's multifluid approach. <i>Physical Review D</i> , 2022, 105, .	4.7	11
3	Proving the Lorentz Invariance of the Entropy and the Covariance of Thermodynamics. <i>Foundations of Physics</i> , 2022, 52, 1.	1.3	6
4	Fluctuating relativistic dissipative hydrodynamics as a gauge theory. <i>Annals of Physics</i> , 2022, 442, 168902.	2.8	14
5	Stability and causality of Carter's multifluid theory. <i>Classical and Quantum Gravity</i> , 2022, 39, 185008.	4.0	12
6	Bulk viscosity in relativistic fluids: from thermodynamics to hydrodynamics. <i>Classical and Quantum Gravity</i> , 2021, 38, 075001.	4.0	18
7	Unified Extended Irreversible Thermodynamics and the Stability of Relativistic Theories for Dissipation. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	2.8	19
8	Applying the Gibbs stability criterion to relativistic hydrodynamics. <i>Classical and Quantum Gravity</i> , 2021, 38, 21LT02.	4.0	17
9	Superfluid Dynamics in Neutron Star Crusts: The Iordanskii Force and Chemical Gauge Covariance. <i>Universe</i> , 2021, 7, 28.	2.5	9
10	Thermodynamics of uncharged relativistic multifluids. <i>Classical and Quantum Gravity</i> , 2020, 37, 025014.	4.0	28
11	Multifluid Modelling of Relativistic Radiation Hydrodynamics. <i>Symmetry</i> , 2020, 12, 1543.	2.2	17
12	The Zeroth Law of Thermodynamics in Special Relativity. <i>Foundations of Physics</i> , 2020, 50, 1554-1586.	1.3	15
13	When the entropy has no maximum: A new perspective on the instability of the first-order theories of dissipation. <i>Physical Review D</i> , 2020, 102, .	4.7	37
14	A universal formula for the relativistic correction to the mutual friction coupling time-scale in neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 3562-3580.	4.4	22