

Claudio Cremaschini

List of Publications by Year in descending order

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57
papers

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586496

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721071

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all docs

57
docs citations

57
times ranked

99
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrically charged matter in rigid rotation around magnetized black hole. <i>Physical Review D</i> , 2014, 90, .	1.6	71
2	Role of electric charge in shaping equilibrium configurations of fluid tori encircling black holes. <i>Physical Review D</i> , 2011, 84, .	1.6	36
3	Magnetic loop generation by collisionless gravitationally bound plasmas in axisymmetric tori. <i>Physical Review E</i> , 2013, 87, 043113.	0.8	33
4	KINETIC THEORY OF EQUILIBRIUM AXISYMMETRIC COLLISIONLESS PLASMAS IN OFF-EQUATORIAL TORI AROUND COMPACT OBJECTS. <i>Astrophysical Journal, Supplement Series</i> , 2013, 209, 15.	3.0	32
5	Hamiltonian approach to GR “ Part 1: covariant theory of classical gravity. <i>European Physical Journal C</i> , 2017, 77, 1.	1.4	29
6	Hamiltonian approach to GR “ Part 2: covariant theory of quantum gravity. <i>European Physical Journal C</i> , 2017, 77, 1.	1.4	27
7	Statistical treatment of the electromagnetic radiation-reaction problem: Evaluation of the relativistic Boltzmann-Shannon entropy. <i>Physical Review E</i> , 2013, 87, .	0.8	26
8	Synchronous Lagrangian variational principles in General Relativity. <i>European Physical Journal Plus</i> , 2015, 130, 1.	1.2	26
9	Kinetic description of quasi-stationary axisymmetric collisionless accretion disk plasmas with arbitrary magnetic field configurations. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	21
10	Kinetic axisymmetric gravitational equilibria in collisionless accretion disk plasmas. <i>Physics of Plasmas</i> , 2010, 17, 072902.	0.7	19
11	Manifest Covariant Hamiltonian Theory of General Relativity. <i>Applied Physics Research</i> , 2016, 8, 60.	0.2	19
12	Quantum-Wave Equation and Heisenberg Inequalities of Covariant Quantum Gravity. <i>Entropy</i> , 2017, 19, 339.	1.1	18
13	Kinetic description of rotating Tokamak plasmas with anisotropic temperatures in the collisionless regime. <i>Physics of Plasmas</i> , 2011, 18, 112502.	0.7	17
14	Kinetic theory of quasi-stationary collisionless axisymmetric plasmas in the presence of strong rotation phenomena. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	17
15	Generalized Lagrangian Path Approach to Manifestly-Covariant Quantum Gravity Theory. <i>Entropy</i> , 2018, 20, 205.	1.1	17
16	Theory of spatially non-symmetric kinetic equilibria for collisionless plasmas. <i>Physics of Plasmas</i> , 2013, 20, 012901.	0.7	16
17	Generalized Lagrangian-Path Representation of Non-Relativistic Quantum Mechanics. <i>Foundations of Physics</i> , 2016, 46, 1022-1061.	0.6	15
18	Space-Time Second-Quantization Effects and the Quantum Origin of Cosmological Constant in Covariant Quantum Gravity. <i>Symmetry</i> , 2018, 10, 287.	1.1	15

#	ARTICLE	IF	CITATIONS
19	Theory of Nonlocal Point Transformations in General Relativity. <i>Advances in Mathematical Physics</i> , 2016, 2016, 1-32.	0.4	14
20	Quantum theory of extended particle dynamics in the presence of EM radiation-reaction. <i>European Physical Journal Plus</i> , 2015, 130, 1.	1.2	12
21	On the conditions of validity of the Boltzmann equation and Boltzmann H-theorem. <i>European Physical Journal Plus</i> , 2013, 128, 1.	1.2	11
22	Kinetic equilibria of relativistic collisionless plasmas in the presence of non-stationary electromagnetic fields. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	11
23	The Principle of Covariance and the Hamiltonian Formulation of General Relativity. <i>Entropy</i> , 2021, 23, 215.	1.1	11
24	First-principle proof of the modified collision boundary conditions for the hard-sphere system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1760-1766.	0.9	10
25	The Lagrangian dynamics of thermal tracer particles in Navier-Stokes fluids. <i>European Physical Journal Plus</i> , 2012, 127, 1.	1.2	9
26	SYMMETRY PROPERTIES OF THE EXACT EM RADIATION-REACTION EQUATION FOR CLASSICAL EXTENDED PARTICLES AND ANTIPARTICLES. <i>International Journal of Modern Physics A</i> , 2013, 28, 1350086.	0.5	9
27	Covariant formulation of spatially non-symmetric kinetic equilibria in magnetized astrophysical plasmas. <i>Physics of Plasmas</i> , 2014, 21, 052901.	0.7	9
28	The Master kinetic equation for the statistical treatment of the Boltzmann-Sinai classical dynamical system. <i>European Physical Journal Plus</i> , 2014, 129, 1.	1.2	9
29	Classical Variational Theory of the Cosmological Constant and Its Consistency with Quantum Prescription. <i>Symmetry</i> , 2020, 12, 633.	1.1	9
30	Phase-space Lagrangian dynamics of incompressible thermofluids. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 3737-3744.	1.2	8
31	Quantum-Gravity Screening Effect of the Cosmological Constant in the DeSitter Space-Time. <i>Symmetry</i> , 2020, 12, 531.	1.1	8
32	Collisionless energy-independent kinetic equilibria in axisymmetric magnetized plasmas. <i>Physical Review E</i> , 2013, 88, 033105.	0.8	7
33	KINETIC THEORY FOR GRAVITATING SYSTEMS OF COLLISIONLESS NEUTRAL MATTER. <i>International Journal of Modern Physics D</i> , 2013, 22, 1350077.	0.9	7
34	Transition from gas to plasma kinetic equilibria in gravitating axisymmetric structures. <i>Physics of Plasmas</i> , 2014, 21, 042902.	0.7	7
35	Modified BBGKY hierarchy for the hard-sphere system. <i>European Physical Journal Plus</i> , 2014, 129, 1.	1.2	7
36	Role of Quantum Entropy and Establishment of H-Theorems in the Presence of Graviton Sinks for Manifestly-Covariant Quantum Gravity. <i>Entropy</i> , 2019, 21, 418.	1.1	7

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37	Mathematical properties of the Navier–Stokes dynamical system for incompressible Newtonian fluids. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 3962-3968.	1.2	6
38	Hamilton-Jacobi theory for the EM radiation-reaction problem. <i>European Physical Journal Plus</i> , 2014, 129, 1.	1.2	6
39	Theory of collisional invariants for the Master kinetic equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 1206-1212.	0.9	6
40	Axiomatic foundations of entropic theorems for hard-sphere systems. <i>European Physical Journal Plus</i> , 2015, 130, 1.	1.2	6
41	Carter constant induced mechanism for generation of anisotropic kinetic equilibria in collisionless N-body systems. <i>International Journal of Modern Physics D</i> , 2017, 26, 1750001.	0.9	6
42	The Heisenberg Indeterminacy Principle in the Context of Covariant Quantum Gravity. <i>Entropy</i> , 2020, 22, 1209.	1.1	6
43	Coupling of quantum gravitational field with Riemann and Ricci curvature tensors. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	6
44	Lagrangian Dynamics of Incompressible Thermofluids. , 2008, , .		5
45	On the Boltzmann–Grad Limit for Smooth Hard-Sphere Systems. <i>Foundations of Physics</i> , 2018, 48, 271-294.	0.6	5
46	Magnification effect of Kerr metric by configurations of collisionless particles in non-isotropic kinetic equilibria. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	5
47	Quantum-Gravity Stochastic Effects on the de Sitter Event Horizon. <i>Entropy</i> , 2020, 22, 696.	1.1	4
48	The Quantum Regularization of Singular Black-Hole Solutions in Covariant Quantum Gravity. <i>Entropy</i> , 2021, 23, 370.	1.1	3
49	Physical Properties of Schwarzschild–deSitter Event Horizon Induced by Stochastic Quantum Gravity. <i>Entropy</i> , 2021, 23, 511.	1.1	3
50	Variational theory of the Ricci curvature tensor dynamics. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	3
51	Ab initio construction of the 2-point velocity difference PDF for incompressible Navier-Stokes fluids. <i>European Physical Journal Plus</i> , 2013, 128, 1.	1.2	2
52	Hamilton–Jacobi Wave Theory in Manifestly-Covariant Classical and Quantum Gravity. <i>Symmetry</i> , 2019, 11, 592.	1.1	2
53	The Common Logic of Quantum Universe—Part II: The Case of Quantum Gravity. <i>Foundations of Physics</i> , 2022, 52, 1.	0.6	2
54	Macroscopic Irreversibility and Decay to Kinetic Equilibrium of the 1-Body PDF for Finite Hard-Sphere Systems. <i>Advances in Mathematical Physics</i> , 2018, 2018, 1-19.	0.4	1

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55	The Common Logic of Quantum Universe”Part I: The Case of Non-relativistic Quantum Mechanics. Foundations of Physics, 2022, 52, 1.	0.6	1
56	The Wave-Front Equation of Gravitational Signals in Classical General Relativity. Symmetry, 2020, 12, 216.	1.1	0
57	Remarkable aspects and and unsolved problems in quantum gravity theory. , 0, , .		0