

Claudio Cremaschini

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The Common Logic of Quantum Universeâ€”Part I: The Case of Non-relativistic Quantum Mechanics. Foundations of Physics, 2022, 52, 1.	1.3	1
2	The Common Logic of Quantum Universeâ€”Part II: The Case of Quantum Gravity. Foundations of Physics, 2022, 52, 1.	1.3	2
3	The Principle of Covariance and the Hamiltonian Formulation of General Relativity. Entropy, 2021, 23, 215.	2.2	11
4	The Quantum Regularization of Singular Black-Hole Solutions in Covariant Quantum Gravity. Entropy, 2021, 23, 370.	2.2	3
5	Physical Properties of Schwarzschildâ€”deSitter Event Horizon Induced by Stochastic Quantum Gravity. Entropy, 2021, 23, 511.	2.2	3
6	Coupling of quantum gravitational field with Riemann and Ricci curvature tensors. European Physical Journal C, 2021, 81, 1.	3.9	6
7	Variational theory of the Ricci curvature tensor dynamics. European Physical Journal C, 2021, 81, 1.	3.9	3
8	The Heisenberg Indeterminacy Principle in the Context of Covariant Quantum Gravity. Entropy, 2020, 22, 1209.	2.2	6
9	Quantum-Gravity Stochastic Effects on the de Sitter Event Horizon. Entropy, 2020, 22, 696.	2.2	4
10	The Wave-Front Equation of Gravitational Signals in Classical General Relativity. Symmetry, 2020, 12, 216.	2.2	0
11	Quantum-Gravity Screening Effect of the Cosmological Constant in the DeSitter Spaceâ€”Time. Symmetry, 2020, 12, 531.	2.2	8
12	Classical Variational Theory of the Cosmological Constant and Its Consistency with Quantum Prescription. Symmetry, 2020, 12, 633.	2.2	9
13	Role of Quantum Entropy and Establishment of H-Theorems in the Presence of Graviton Sinks for Manifestly-Covariant Quantum Gravity. Entropy, 2019, 21, 418.	2.2	7
14	Hamiltonâ€”Jacobi Wave Theory in Manifestly-Covariant Classical and Quantum Gravity. Symmetry, 2019, 11, 592.	2.2	2
15	On the Boltzmannâ€”Grad Limit for Smooth Hard-Sphere Systems. Foundations of Physics, 2018, 48, 271-294.	1.3	5
16	Macroscopic Irreversibility and Decay to Kinetic Equilibrium of the 1-Body PDF for Finite Hard-Sphere Systems. Advances in Mathematical Physics, 2018, 2018, 1-19.	0.8	1
17	Space-Time Second-Quantization Effects and the Quantum Origin of Cosmological Constant in Covariant Quantum Gravity. Symmetry, 2018, 10, 287.	2.2	15
18	Magnification effect of Kerr metric by configurations of collisionless particles in non-isotropic kinetic equilibria. European Physical Journal Plus, 2018, 133, 1.	2.6	5

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19	Generalized Lagrangian Path Approach to Manifestly-Covariant Quantum Gravity Theory. Entropy, 2018, 20, 205.	2.2	17
20	Hamiltonian approach to GR “ Part 1: covariant theory of classical gravity. European Physical Journal C, 2017, 77, 1.	3.9	29
21	Hamiltonian approach to GR “ Part 2: covariant theory of quantum gravity. European Physical Journal C, 2017, 77, 1.	3.9	27
22	Carter constant induced mechanism for generation of anisotropic kinetic equilibria in collisionless N-body systems. International Journal of Modern Physics D, 2017, 26, 1750001.	2.1	6
23	Quantum-Wave Equation and Heisenberg Inequalities of Covariant Quantum Gravity. Entropy, 2017, 19, 339.	2.2	18
24	Manifest Covariant Hamiltonian Theory of General Relativity. Applied Physics Research, 2016, 8, 60.	0.0	19
25	Theory of Nonlocal Point Transformations in General Relativity. Advances in Mathematical Physics, 2016, 2016, 1-32.	0.8	14
26	Generalized Lagrangian-Path Representation of Non-Relativistic Quantum Mechanics. Foundations of Physics, 2016, 46, 1022-1061.	1.3	15
27	Quantum theory of extended particle dynamics in the presence of EM radiation-reaction. European Physical Journal Plus, 2015, 130, 1.	2.6	12
28	Theory of collisional invariants for the Master kinetic equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1206-1212.	2.1	6
29	Axiomatic foundations of entropic theorems for hard-sphere systems. European Physical Journal Plus, 2015, 130, 1.	2.6	6
30	Synchronous Lagrangian variational principles in General Relativity. European Physical Journal Plus, 2015, 130, 1.	2.6	26
31	Covariant formulation of spatially non-symmetric kinetic equilibria in magnetized astrophysical plasmas. Physics of Plasmas, 2014, 21, 052901.	1.9	9
32	Electrically charged matter in rigid rotation around magnetized black hole. Physical Review D, 2014, 90, .	4.7	71
33	Kinetic equilibria of relativistic collisionless plasmas in the presence of non-stationary electromagnetic fields. Physics of Plasmas, 2014, 21, .	1.9	11
34	Transition from gas to plasma kinetic equilibria in gravitating axisymmetric structures. Physics of Plasmas, 2014, 21, 042902.	1.9	7
35	Hamilton-Jacobi theory for the EM radiation-reaction problem. European Physical Journal Plus, 2014, 129, 1.	2.6	6
36	Modified BBGKY hierarchy for the hard-sphere system. European Physical Journal Plus, 2014, 129, 1.	2.6	7

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37	The Master kinetic equation for the statistical treatment of the Boltzmann-Sinai classical dynamical system. European Physical Journal Plus, 2014, 129, 1.	2.6	9
38	First-principle proof of the modified collision boundary conditions for the hard-sphere system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 1760-1766.	2.1	10
39	Ab initio construction of the 2-point velocity difference PDF for incompressible Navier-Stokes fluids. European Physical Journal Plus, 2013, 128, 1.	2.6	2
40	On the conditions of validity of the Boltzmann equation and Boltzmann H-theorem. European Physical Journal Plus, 2013, 128, 1.	2.6	11
41	SYMMETRY PROPERTIES OF THE EXACT EM RADIATION-REACTION EQUATION FOR CLASSICAL EXTENDED PARTICLES AND ANTIPARTICLES. International Journal of Modern Physics A, 2013, 28, 1350086.	1.5	9
42	Collisionless energy-independent kinetic equilibria in axisymmetric magnetized plasmas. Physical Review E, 2013, 88, 033105.	2.1	7
43	Theory of spatially non-symmetric kinetic equilibria for collisionless plasmas. Physics of Plasmas, 2013, 20, 012901.	1.9	16
44	Mathematical properties of the Navier-Stokes dynamical system for incompressible Newtonian fluids. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 3962-3968.	2.6	6
45	Statistical treatment of the electromagnetic radiation-reaction problem: Evaluation of the relativistic Boltzmann-Shannon entropy. Physical Review E, 2013, 87, .	2.1	26
46	Magnetic loop generation by collisionless gravitationally bound plasmas in axisymmetric tori. Physical Review E, 2013, 87, 043113.	2.1	33
47	Kinetic theory of quasi-stationary collisionless axisymmetric plasmas in the presence of strong rotation phenomena. Physics of Plasmas, 2013, 20, .	1.9	17
48	KINETIC THEORY OF EQUILIBRIUM AXISYMMETRIC COLLISIONLESS PLASMAS IN OFF-EQUATORIAL TORI AROUND COMPACT OBJECTS. Astrophysical Journal, Supplement Series, 2013, 209, 15.	7.7	32
49	KINETIC THEORY FOR GRAVITATING SYSTEMS OF COLLISIONLESS NEUTRAL MATTER. International Journal of Modern Physics D, 2013, 22, 1350077.	2.1	7
50	The Lagrangian dynamics of thermal tracer particles in Navier-Stokes fluids. European Physical Journal Plus, 2012, 127, 1.	2.6	9
51	Role of electric charge in shaping equilibrium configurations of fluid tori encircling black holes. Physical Review D, 2011, 84, .	4.7	36
52	Kinetic description of quasi-stationary axisymmetric collisionless accretion disk plasmas with arbitrary magnetic field configurations. Physics of Plasmas, 2011, 18, .	1.9	21
53	Kinetic description of rotating Tokamak plasmas with anisotropic temperatures in the collisionless regime. Physics of Plasmas, 2011, 18, 112502.	1.9	17
54	Kinetic axisymmetric gravitational equilibria in collisionless accretion disk plasmas. Physics of Plasmas, 2010, 17, 072902.	1.9	19

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55	Phase-space Lagrangian dynamics of incompressible thermofluids. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 3737-3744.	2.6	8
56	Lagrangian Dynamics of Incompressible Thermofluids. , 2008, , .		5
57	Remarkable aspects and and unsolved problems in quantum gravity theory. , 0, , .		0