Gilberto M Kremer

List of Publications by Year
in descending order

178	2,629	218381	301761
papers	citations	26 h-index	39 g-index

185	185	185	970
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Relativistic Boltzmann Equation: Theory and Applications. , 2002, , .		368
2	An Introduction to the Boltzmann Equation and Transport Processes in Gases. Interaction of Mechanics and Mathematics, 2010, , .	0.9	177
3	Fermions as sources of accelerated regimes in cosmology. Physical Review D, 2005, 72, .	1.6	98
4	Cosmological models described by a mixture of van der Waals fluid and dark energy. Physical Review D, 2003, 68, .	1.6	83
5	Couette flow with slip and jump boundary conditions. Continuum Mechanics and Thermodynamics, 2000, 12, 379-386.	1.4	60
6	Noether symmetry for non-minimally coupled fermion fields. Classical and Quantum Gravity, 2008, 25, 225006.	1.5	57
7	Cosmological model with non-minimally coupled fermionic field. Europhysics Letters, 2008, 81, 19001.	0.7	48
8	Method of moments of Grad. Physical Review A, 1990, 42, 815-820.	1.0	47
9	Cosmological model with interactions in the dark sector. General Relativity and Gravitation, 2009, 41, 1125-1137.	0.7	45
10	Letter: Irreversible Processes in a Universe Modelled as a Mixture of a Chaplygin Gas and Radiation. General Relativity and Gravitation, 2003, 35, 1459-1466.	0.7	43
11	Viscous cosmological models and accelerated universes. Physical Review D, 2003, 67, .	1.6	41
12	Palatini approach to1/Rgravity and its implications to the late universe. Physical Review D, 2004, 70, .	1.6	39
13	Role of roughness on the hydrodynamic homogeneous base state of inelastic spheres. Physical Review E, 2014, 89, 020202.	0.8	34
14	Constraining non-minimally coupled tachyon fields by the Noether symmetry. Classical and Quantum Gravity, 2009, 26, 135008.	1.5	33
15	Extended thermodynamics of non-ideal gases. Physica A: Statistical Mechanics and Its Applications, 1987, 144, 156-178.	1.2	32
16	Radiation thermodynamics. Journal of Mathematical Physics, 1992, 33, 2265-2268.	0.5	32
17	Phantom cosmologies and fermions. Classical and Quantum Gravity, 2008, 25, 085007.	1.5	31
18	Free molecular sound propagation. Journal of the Acoustical Society of America, 2002, 112, 395-401.	0.5	30

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19	Chemical reaction rates and non-equilibrium pressure of reacting gas mixtures in the state-to-state approach. Chemical Physics, 2014, 445, 82-94.	0.9	29
20	Transport coefficients of a granular gas of inelastic rough hard spheres. Physical Review E, 2014, 90, 022205.	0.8	28
21	Non-isothermal couette flow of a rarefied gas between two rotating cylinders. European Journal of Mechanics, B/Fluids, 1999, 18, 121-130.	1.2	27
22	A relaxation kinetic model for transport phenomena in a reactive flow. Physics of Fluids, 2006, 18, 037104.	1.6	27
23	Fokker-Planck-type equations for a simple gas and for a semirelativistic Brownian motion from a relativistic kinetic theory. Physical Review E, 2007, 76, 021201.	0.8	27
24	Fermions in Brans-Dicke cosmology. Physical Review D, 2010, 81, .	1.6	27
25	Fermionic cosmologies with Yukawa-type interactions. Europhysics Letters, 2011, 93, 19002.	0.7	27
26	Sonine approximation for collisional moments of granular gases of inelastic rough spheres. Physics of Fluids, 2011, 23, .	1.6	27
27	On Enskogâ€™s dense gas theory. I. The method of moments for monatomic gases. Journal of Chemical Physics, 1988, 89, 3240-3247.	1.2	26
28	Burnett's equations from a (13+9N)-field theory. Continuum Mechanics and Thermodynamics, 1996, 8, 121-130.	1.4	26
29	Thermodynamics and kinetic theory of relativistic gases in 2D cosmological models. Physical Review D, 2002, 65, .	1.6	26
30	Energy Production Rates in Fluid Mixtures of Inelastic Rough Hard Spheres. Progress of Theoretical Physics Supplement, 2010, 184, 31-48.	0.2	26
31	Model for a Universe described by a non-minimally coupled scalar field and interacting dark matter. General Relativity and Gravitation, 2006, 38, 857-870.	0.7	25
32	Gastric Histopathology in Laparoscopic Sleeve Gastrectomy: Pre- and Post-Operative Comparison. Obesity Surgery, 2014, 24, 371-376.	1.1	25
33	On the frame dependence of constitutive equations. I. Heat transfer through a rarefied gas between two rotating cylinders. Continuum Mechanics and Thermodynamics, 1995, 7, 57-72.	1.4	23
34	Dark energy interacting with neutrinos and dark matter: a phenomenological theory. General Relativity and Gravitation, 2007, 39, 965-972.	0.7	23
35	The influence of vibrational state-resolved transport coefficients on the wave propagation in diatomic gases. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 92-113.	1.2	21
36	Fourteen moment theory for granular gases. Kinetic and Related Models, 2011, 4, 317-331.	0.5	21

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37	Nonlinear Couette flow between two rotating cylinders. Transport Theory and Statistical Physics, 1996, 25, 217-229.	0.4	20
38	Effect of chemical reactions on the transport coefficients of binary mixtures. Journal of Chemical Physics, 2002, 117, 2205-2215.	1.2	20
39	Cosmological model with fermion and tachyon fields interacting via Yukawa-type potential. Modern Physics Letters A, 2016, 31, 1650039.	0.5	20
40	Fermion field as inflaton, dark energy and dark matter. Classical and Quantum Gravity, 2014, 31, 185008.	1.5	19
41	Letter: Brane Cosmology with a van der Waals Equation of State. General Relativity and Gravitation, 2004, 36, 1423-1432.	0.7	18
42	A note on energy-momentum conservation in Palatini formulation of L(R) gravity. General Relativity and Gravitation, 2006, 38, 517-521.	0.7	18
43	Analysis of instability of systems composed by dark and baryonic matter. International Journal of Modern Physics D, 2016, 25, 1650012.	0.9	18
44	Extended thermodynamics of mixtures of ideal gases. International Journal of Engineering Science, 1987, 25, 95-115.	2.7	17
45	Heat conduction through a rarefied gas between two rotating cylinders at small temperature difference. Zeitschrift Fur Angewandte Mathematik Und Physik, 1995, 46, 680-692.	0.7	17
46	Relativistic ionized gases: Ohm and Fourier laws from Anderson and Witting model equation. Physica A: Statistical Mechanics and Its Applications, 2003, 322, 329-344.	1.2	17
47	On the kinetic theory of relativistic gases. Continuum Mechanics and Thermodynamics, 1997, 9, 13-21.	1.4	16
48	On the inclusion of recrystallization processes in the modeling of induced anisotropy in ice sheets: a thermodynamicistâ€™s point of view. Annals of Glaciology, 2003, 37, 29-34.	2.8	16
49	Irreversible processes in inflationary cosmological models. Physical Review D, 2002, 66, .	1.6	15
50	Transport phenomena in a reactive quaternary gas mixture. Physica A: Statistical Mechanics and Its Applications, 2007, 374, 533-548.	1.2	15
51	Analysis of the nonminimally coupled scalar field in the Palatini formalism by the Noether symmetry approach. Physical Review D, 2013, 87, .	1.6	15
52	Effect of molecular diameters on state-to-state transport properties: The shear viscosity coefficient. Chemical Physics Letters, 2015, 636, 84-89.	1.2	15
53	Moment closure of the relativistic Anderson and Witting model equation. Physica A: Statistical Mechanics and Its Applications, 2001, 290, 192-202.	1.2	14
54	Light scattering and sound propagation in a chemically reacting binary gas mixture. Physica A: Statistical Mechanics and Its Applications, 2003, 323, 401-412.	1.2	14

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55	Fermion fields in Einstein-Cartan theory and the accelerated-decelerated transition in a primordial universe. Gravitation and Cosmology, 2010, 16, 173-177.	0.3	14
56	Jeans instability in a universe with dissipation. Physical Review D, 2018, 97, .	1.6	14
57	Acceleration Field of a Universe Modeled as a Mixture of Scalar and Matter Fields. General Relativity and Gravitation, 2004, 36, 2039-2051.	0.7	13
58	Fermions in a Walecka-type cosmology. Europhysics Letters, 2012, 97, 49003.	0.7	13
59	Using kinetic theory to examine a self-gravitating system composed of baryons and cold dark matter. European Physical Journal C, 2019, 79, 1.	1.4	13
60	Transport phenomena in rotating rarefied gases. Physics of Fluids, 2001, 13, 335-346.	1.6	12
61	On inelastic reactive collisions in kinetic theory of chemically reacting gas mixtures. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2708-2718.	1.2	12
62	Diffusion of relativistic gas mixtures in gravitational fields. Physica A: Statistical Mechanics and Its Applications, 2014, 393, 76-85.	1.2	12
63	A generalization of the Chapman-Enskog and Grad methods. Continuum Mechanics and Thermodynamics, 1991, 3, 155-167.	1.4	11
64	Light Scattering from extended kinetic models: Monatomic ideal gases. Continuum Mechanics and Thermodynamics, 1998, 10, 319-329.	1.4	11
65	On Relativistic Collisional Invariants. Journal of Statistical Physics, 1999, 96, 439-445.	0.5	11
66	Creep and recrystallization of large polycrystalline masses. II. Constitutive theory for crystalline media with transversely isotropic grains. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2006, 462, 1699-1720.	1.0	11
67	Grad's moment method for relativistic gas mixtures of Maxwellian particles. Physics of Fluids, 2013, 25, .	1.6	11
68	Self-gravitating systems of ideal gases in the 1PN approximation. Physical Review D, 2016, 93, .	1.6	11
69	Light scattering from density fluctuations in dense monatomic gases. Physica A: Statistical Mechanics and Its Applications, 1990, 164, 759-771.	1.2	10
70	Spectral distribution of scattered light in polyatomic gases. Physica A: Statistical Mechanics and Its Applications, 1993, 197, 352-363.	1.2	10
71	Analysis of the trend to equilibrium of a chemically reacting system. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 2553-2571.	0.7	10
72	The dark sector from interacting canonical and non-canonical scalar fields. Classical and Quantum Gravity, 2010, 27, 175006.	1.5	10

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73	Relativistic gas in a Schwarzschild metric. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P04016.	0.9	10
74	Analysis of Jeans instability from the Boltzmann equation. AIP Conference Proceedings, 2016, , .	0.3	10
75	Impact of roughness on the instability of a free-cooling granular gas. Physical Review E, 2018, 97, 052901.	0.8	10
76	A combined Chapman-Enskog and Grad method. I. Monatomic gases and mixtures. Continuum Mechanics and Thermodynamics, 1994, 6, 149-160.	1.4	9
77	Isotropization in Bianchi type-I cosmological model with fermions and bosons interacting via Yukawa potential. Physica Scripta, 2015, 90, 105001.	1.2	9
78	The van der Waals fluid and its role in cosmology. International Journal of Modern Physics D, 2016, 25, 1650031.	0.9	9
79	Cosmological perturbations in transient phantom inflation scenarios. European Physical Journal C, 2017, 77, 1.	1.4	9
80	Stellar structure model in hydrostatic equilibrium in the context of $f({mathscr{R}})$-gravity. Research in Astronomy and Astrophysics, 2017, 17, 122.	0.7	9
81	Jeans instability from post-Newtonian Boltzmann equation. European Physical Journal C, 2021, 81, 1.	1.4	9
82	Kinetic theory for mixtures of polyatomic gases of rough spherical molecules. Physics of Fluids A, Fluid Dynamics, 1990, 2, 1269-1280.	1.6	8
83	Rarefied gas flow between two cylinders caused by the evaporation and condensation on their surfaces. Physics of Fluids, 1998, 10, 3203-3208.	1.6	8
84	Trend to Equilibrium of a Degenerate Relativistic Gas. Journal of Statistical Physics, 2000, 98, 441-456.	0.5	8
85	Applications to cosmological models of a complex scalar field coupled to aU(1) vector gauge field. Journal of Cosmology and Astroparticle Physics, 2004, 2004, 009-009.	1.9	8
86	Cosmic expansion from boson and fermion fields. Classical and Quantum Gravity, 2011, 28, 125006.	1.5	8
87	Bulk Viscous Cosmological Model with Interacting Dark Fluids. Brazilian Journal of Physics, 2012, 42, 77-83.	0.7	8
88	Post-Newtonian kinetic theory. Annals of Physics, 2021, 426, 168400.	1.0	8
89	Kinetic Theory for Polyatomic Dense Gases of Rough Spherical Molecules. Journal of Non-Equilibrium Thermodynamics, 1991, 16, .	2.4	7
90	Thermodynamics of a diatomic gas with rotational and vibrational degrees of freedom. International Journal of Engineering Science, 1994, 32, 1241-1252.	2.7	7

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91	The relativistic Burnett equations from a moment closure of the Anderson and Witting model equation. Physica A: Statistical Mechanics and Its Applications, 2002, 307, 354-374.	1.2	7
92	Transition from accelerated to decelerated regimes in JT and CGHS cosmologies. Europhysics Letters, 2004, 67, 728-733.	0.7	7
93	Properties of the homogeneous cooling state of a gas of inelastic rough particles. , 2014, , .		7
94	Accelerated expansion in bosonic and fermionic 2D cosmologies with quantum effects. Europhysics Letters, 2009, 87, 10001.	0.7	6
95	Tachyon and quintessence in brane worlds. Physical Review D, 2009, 79, .	1.6	6
96	Primordial scalar perturbations in tachyonic power-law inflation. Physical Review D, 2014, 89, .	1.6	6
97	Mixtures of relativistic gases in gravitational fields: Combined Chapman-Enskog and Grad method and the Onsager relations. Physical Review E, 2015, 91, 052139.	0.8	6
98	Instabilities in a self-gravitating granular gas. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123667.	1.2	6
99	The Burnett equations for a relativistic gas. Continuum Mechanics and Thermodynamics, 2000, 12, 387-401.	1.4	5
100	THE INFLUENCE OF SLIP AND JUMP BOUNDARY CONDITIONS ON THE CYLINDRICAL COUETTE FLOW. Mathematical Models and Methods in Applied Sciences, 2002, 12, 445-459.	1.7	5
101	Effect of reaction heat on Maxwellian distribution functions and rate of reactions. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P12003-P12003.	0.9	5
102	Enskogâ€™s kinetic theory of dense gases for chemically reacting binary mixtures. I. Reaction rate and viscosity coefficients. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 1733-1749.	1.2	5
103	Tachyonization of the Î›CDM cosmological model. General Relativity and Gravitation, 2010, 42, 1523-1535.	0.7	5
104	The Boltzmann equation in special and general relativity. AIP Conference Proceedings, 2012, , .	0.3	5
105	Temperature oscillations of a gas in circular geodesic motion in the Schwarzschild field. Physical Review D, 2015, 91, .	1.6	5
106	Fermionic and bosonic fields in the Einsteinâ€“Cartan theory. Modern Physics Letters A, 2017, 32, 1750135.	0.5	5
107	A combined Chapmanâ€“Enskog and Grad method. II. Ionized gases. Physics of Plasmas, 1995, 2, 642-648.	0.7	4
108	A combined Chapman-Enskog and Grad method. III. Polyatomic gases in magnetic fields. Continuum Mechanics and Thermodynamics, 1997, 9, 309-322.	1.4	4

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109	Linearized Burnett Equation for the Dynamic Pressure of a Relativistic Gas. Continuum Mechanics and Thermodynamics, 1998, 10, 49-53.	1.4	4
110	Enskogâ€™s kinetic theory of dense gases for chemically reacting binary mixtures, II: Light scattering and sound propagation. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 295-310.	1.2	4
111	Entropy, entropy flux and entropy rate of granular materials. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 4018-4025.	1.2	4
112	Cosmological models with interacting components and mass-varying neutrinos. Gravitation and Cosmology, 2012, 18, 196-200.	0.3	4
113	Relative entropy of a freely cooling granular gas. , 2012, , .		4
114	Theory and applications of the relativistic Boltzmann equation. International Journal of Geometric Methods in Modern Physics, 2014, 11, 1460005.	0.8	4
115	Post-Newtonian spherically symmetrical accretion. Physical Review D, 2021, 104, .	1.6	4
116	Classical Kinetic Theory for Binary Mixtures of Monatomic and Polyatomic Gases. Journal of Non-Equilibrium Thermodynamics, 1992, 17, .	2.4	3
117	Thermodynamics of binary mixtures of molecular and noble gases. Continuum Mechanics and Thermodynamics, 1992, 4, 37-57.	1.4	3
118	Kinetic theory for binary mixtures of monatomic and polyatomic gases. Physica A: Statistical Mechanics and Its Applications, 1993, 192, 63-84.	1.2	3
119	Note on the relativistic reaction rate coefficient. Physica A: Statistical Mechanics and Its Applications, 2007, 380, 61-65.	1.2	3
120	A kinetic model for chemical reactions without barriers: transport coefficients and eigenmodes. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P03014.	0.9	3
121	Influence of reaction heat on time dependent processes in a chemically reacting binary mixture. , 2012, , .		3
122	Analysis of eigenmodes in a relativistic gas. Continuum Mechanics and Thermodynamics, 2012, 24, 719-729.	1.4	3
123	Non-minimally coupled tachyon field with Noether symmetry under the Palatini approach. , 2015, , .		3
124	Influence of state-to-state vibrational distributions on transport coefficients of a single gas. AIP Conference Proceedings, 2016, , .	0.3	3
125	On the Kinetic Theory of Metal Electrons. Journal of Non-Equilibrium Thermodynamics, 1989, 14, .	2.4	2
126	Extended Thermodynamics and Statistical Mechanics of a Polyatomic Ideal Gas. Journal of Non-Equilibrium Thermodynamics, 1989, 14, .	2.4	2

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127	Transport Coefficients for Monatomic Gases According to a Lennard-Jones 6â€”12 Potential. Journal of Non-Equilibrium Thermodynamics, 1995, 20, .	2.4	2
128	Shock Thickness in Monatomic Gases. Meccanica, 1997, 32, 295-299.	1.2	2
129	Transport Coefficients of a Single Reactive Gas. AIP Conference Proceedings, 2005, , .	0.3	2
130	A Kinetic Model for Chemical Reactions without Barriers. , 2008, , .		2
131	Analysis of the Reaction Rate Coefficients for Slow Bimolecular Chemical Reactions. Brazilian Journal of Physics, 2012, 42, 400-409.	0.7	2
132	Cosmology with fermionic sources and relativistic fluid in Schutzâ€™s formalism: Classical and quantum solutions. Modern Physics Letters A, 2017, 32, 1750220.	0.5	2
133	Classical and quantum cosmological solutions in Bianchi type-I metric with fermionic field and relativistic fluid in Schutzâ€™s formalism. Modern Physics Letters A, 2019, 34, 1950271.	0.5	2
134	Mapping between different cosmological eras in scale-covariant formalism. International Journal of Modern Physics A, 2020, 35, 2050044.	0.5	2
135	Fifth Approximation to the Transport Coefficients of Helium at Low Temperatures. Journal of Non-Equilibrium Thermodynamics, 1996, 21, .	2.4	1
136	On the effect of a chemical reaction on heat conduction and dynamic pressure. Acta Mechanica, 1999, 132, 37-45.	1.1	1
137	A constitutive theory for ferrofluids. Continuum Mechanics and Thermodynamics, 1999, 11, 297-306.	1.4	1
138	Light scattering in monatomic dense gases from a kinetic model of the Enskog equation. Physica A: Statistical Mechanics and Its Applications, 2002, 310, 333-346.	1.2	1
139	Reply to Gagliardini's comment on â€˜Creep and recrystallization of large polycrystalline massesâ€™ by Faria and co-authors. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2008, 464, 2803-2809.	1.0	1
140	Relativistic Fluids in Special and General Relativity. , 2010, , .		1
141	Fermionic cosmologies. Journal of Physics: Conference Series, 2011, 306, 012052.	0.3	1
142	Exit from accelerated regimes by symmetry breaking in a universe filled with fermionic and bosonic sources. Modern Physics Letters A, 2014, 29, 1450086.	0.5	1
143	Equilibrium and stability properties of detonation waves in the hydrodynamic limit of a kinetic model. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 235501.	0.7	1
144	Chaplygin gas of Tachyon Nature Imposed by Noether Symmetry and constrained viaH(z) data. Research in Astronomy and Astrophysics, 2016, 16, 014.	0.7	1

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145	Temperature oscillations of a gas moving close to circular geodesic in Reissnerâ€“NordstrÃ¶m spacetime. International Journal of Modern Physics D, 2019, 28, 1950059.	0.9	1
146	Cosmological Solutions for the Geometrical Scalar-Tensor with the Potential Determined by the Noether Symmetry Approach. Symmetry, 2020, 12, 1110.	1.1	1
147	Fermionic cosmological model with gauge and Schutz couplings: Classical and quantum analysis. International Journal of Modern Physics A, 2020, 35, 2050133.	0.5	1
148	Quantum Bohmian description of a primordial universe with Fermionic and Bosonic sources. International Journal of Modern Physics A, 2021, 36, 2150103.	0.5	1
149	Boltzmann Equation in Gravitational Fields. , 2002, , 327-346.		1
150	Dense Gases. Interaction of Mechanics and Mathematics, 2010, , 165-184.	0.9	1
151	$mathcal H$-Theorem and trend to equilibrium of chemically reacting mixtures of gases. Kinetic and Related Models, 2009, 2, 333-343.	0.5	1
152	Post-Newtonian Jeans Equation for Stationary and Spherically Symmetrical Self-Gravitating Systems. Universe, 2022, 8, 179.	0.9	1
153	Jeans instability in an expanding universe with dissipation. International Journal of Modern Physics D, 2022, 31, .	0.9	1
154	Post-Newtonian non-equilibrium kinetic theory. Annals of Physics, 2022, 441, 168865.	1.0	1
155	Decay of Electromagnetic Waves in Fluids. Journal of Non-Equilibrium Thermodynamics, 1983, 8, .	2.4	0
156	Kinetic and phenomenological theories for the linearized Burnett equations of a molecular gas. Continuum Mechanics and Thermodynamics, 1993, 5, 67-81.	1.4	0
157	Light Scattering from Binary Mixtures of Monatomic and Polyatomic Gases. Journal of Non-Equilibrium Thermodynamics, 1996, 21, .	2.4	0
158	Asymptotic behavior of rotating rarefied gases with evaporation and condensation. AIP Conference Proceedings, 2001, , .	0.3	0
159	Light scattering in binary mixtures of monatomic gases from an extended kinetic description. Continuum Mechanics and Thermodynamics, 2002, 14, 45-53.	1.4	0
160	Note on Slemrod's universal relation $omega_3+omega_4+heta_3 = 0$ for the Burnett coefficients. Continuum Mechanics and Thermodynamics, 2003, 15, 217-219.	1.4	0
161	Transport of mass and energy of polyatomic gases in magnetic fields computed by a Monte Carlo algorithm. Continuum Mechanics and Thermodynamics, 2004, 16, 353-362.	1.4	0
162	Inflationary and dark energy regimes in 2+1 dimensions. General Relativity and Gravitation, 2006, 38, 333-344.	0.7	0

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163	Transport Properties of a Kinetic Model for Chemical Reactions without Barriers. , 2011, , .		0
164	Spectral Distribution of Scattered Light from a Chemical Relaxation System. , 2011, , .		0
165	Conformal coupling associated with the Noether symmetry and its connection with the Î›CDM dynamics. Classical and Quantum Gravity, 2013, 30, 175011.	1.5	0
166	Relativistic mixtures of charged and uncharged particles. , 2014, , .		0
167	Reacting gas mixtures in the state-to-state approach: The chemical reaction rates. , 2014, , .		0
168	Thermal conductivity, shear and bulk viscosities for a relativistic binary mixture. AIP Conference Proceedings, 2016, , .	0.3	0
169	Transport coefficients for relativistic gas mixtures of hard-sphere particles. Physica A: Statistical Mechanics and Its Applications, 2017, 471, 44-58.	1.2	0
170	Fourteen moment method for moderately dense granular gases. AIP Conference Proceedings, 2019, , .	0.3	0
171	Hydrodynamic bidimensional stability of detonation wave solutions for reactive mixtures. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 083217.	0.9	0
172	The influence of cosmological constant in temperature oscillations of a gas moving close to circular geodesic. International Journal of Modern Physics A, 2019, 34, 1950109.	0.5	0
173	Chemically Reacting Gas Mixtures. Interaction of Mechanics and Mathematics, 2010, , 235-296.	0.9	0
174	Mixtures of Monatomic Gases. Interaction of Mechanics and Mathematics, 2010, , 203-233.	0.9	0
175	Polyatomic Gases. Interaction of Mechanics and Mathematics, 2010, , 133-164.	0.9	0
176	Moment Methods. Interaction of Mechanics and Mathematics, 2010, , 109-132.	0.9	0
177	Granular Gases. Interaction of Mechanics and Mathematics, 2010, , 185-202.	0.9	0
178	Kinetic Theory for Chemical Reactions Without a Barrier. Springer Proceedings in Mathematics, 2011, , 533-543.	0.5	0