

Gilberto M Kremer

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158
papers

2,065
citations

23
h-index

38
g-index

185
ext. papers

2,332
ext. citations

2.8
avg, IF

5.38
L-index

#	Paper	IF	Citations
158	The Relativistic Boltzmann Equation: Theory and Applications 2002 ,		245
157	An Introduction to the Boltzmann Equation and Transport Processes in Gases. <i>Interaction of Mechanics and Mathematics</i> , 2010 ,	9	121
156	Fermions as sources of accelerated regimes in cosmology. <i>Physical Review D</i> , 2005 , 72,	4.9	83
155	Cosmological models described by a mixture of van der Waals fluid and dark energy. <i>Physical Review D</i> , 2003 , 68,	4.9	73
154	Noether symmetry for non-minimally coupled fermion fields. <i>Classical and Quantum Gravity</i> , 2008 , 25, 225006	3.3	50
153	Couette flow with slip and jump boundary conditions. <i>Continuum Mechanics and Thermodynamics</i> , 2000 , 12, 379-386	3.5	48
152	Cosmological model with interactions in the dark sector. <i>General Relativity and Gravitation</i> , 2009 , 41, 1125-1137	2.3	42
151	Method of moments of Grad. <i>Physical Review A</i> , 1990 , 42, 815-820	2.6	40
150	Cosmological model with non-minimally coupled fermionic field. <i>Europhysics Letters</i> , 2008 , 81, 19001	1.6	39
149	Letter: Irreversible Processes in a Universe Modelled as a Mixture of a Chaplygin Gas and Radiation. <i>General Relativity and Gravitation</i> , 2003 , 35, 1459-1466	2.3	39
148	Palatini approach to 1/R gravity and its implications to the late universe. <i>Physical Review D</i> , 2004 , 70,	4.9	38
147	Viscous cosmological models and accelerated universes. <i>Physical Review D</i> , 2003 , 67,	4.9	34
146	Constraining non-minimally coupled tachyon fields by the Noether symmetry. <i>Classical and Quantum Gravity</i> , 2009 , 26, 135008	3.3	32
145	Radiation thermodynamics. <i>Journal of Mathematical Physics</i> , 1992 , 33, 2265-2268	1.2	31
144	Role of roughness on the hydrodynamic homogeneous base state of inelastic spheres. <i>Physical Review E</i> , 2014 , 89, 020202	2.4	26
143	Phantom cosmologies and fermions. <i>Classical and Quantum Gravity</i> , 2008 , 25, 085007	3.3	26
142	Fokker-Planck-type equations for a simple gas and for a semirelativistic Brownian motion from a relativistic kinetic theory. <i>Physical Review E</i> , 2007 , 76, 021201	2.4	25

141	Non-isothermal couette flow of a rarefied gas between two rotating cylinders. <i>European Journal of Mechanics, B/Fluids</i> , 1999 , 18, 121-130	2.4	25
140	Extended thermodynamics of non-ideal gases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1987 , 144, 156-178	3.3	25
139	Sonine approximation for collisional moments of granular gases of inelastic rough spheres. <i>Physics of Fluids</i> , 2011 , 23, 030604	4.4	24
138	Model for a Universe described by a non-minimally coupled scalar field and interacting dark matter. <i>General Relativity and Gravitation</i> , 2006 , 38, 857-870	2.3	24
137	Free molecular sound propagation. <i>Journal of the Acoustical Society of America</i> , 2002 , 112, 395-401	2.2	23
136	Thermodynamics and kinetic theory of relativistic gases in 2D cosmological models. <i>Physical Review D</i> , 2002 , 65,	4.9	23
135	Energy Production Rates in Fluid Mixtures of Inelastic Rough Hard Spheres. <i>Progress of Theoretical Physics Supplement</i> , 2010 , 184, 31-48		22
134	Dark energy interacting with neutrinos and dark matter: a phenomenological theory. <i>General Relativity and Gravitation</i> , 2007 , 39, 965-972	2.3	22
133	A relaxation kinetic model for transport phenomena in a reactive flow. <i>Physics of Fluids</i> , 2006 , 18, 037104	4.4	22
132	Gastric histopathology in laparoscopic sleeve gastrectomy: pre- and post-operative comparison. <i>Obesity Surgery</i> , 2014 , 24, 371-6	3.7	21
131	Chemical reaction rates and non-equilibrium pressure of reacting gas mixtures in the state-to-state approach. <i>Chemical Physics</i> , 2014 , 445, 82-94	2.3	20
130	Fermions in Brans-Dicke cosmology. <i>Physical Review D</i> , 2010 , 81,	4.9	20
129	Fermionic cosmologies with Yukawa-type interactions. <i>Europhysics Letters</i> , 2011 , 93, 19002	1.6	20
128	On the frame dependence of constitutive equations. I. Heat transfer through a rarefied gas between two rotating cylinders. <i>Continuum Mechanics and Thermodynamics</i> , 1995 , 7, 57-72	3.5	20
127	Burnett's equations from a (13+9N)-field theory. <i>Continuum Mechanics and Thermodynamics</i> , 1996 , 8, 121-130	3.5	20
126	On Enskog's dense gas theory. I. The method of moments for monatomic gases. <i>Journal of Chemical Physics</i> , 1988 , 89, 3240-3247	3.9	20
125	Transport coefficients of a granular gas of inelastic rough hard spheres. <i>Physical Review E</i> , 2014 , 90, 022205	2.5	19
124	Letter: Brane Cosmology with a van der Waals Equation of State. <i>General Relativity and Gravitation</i> , 2004 , 36, 1423-1432	2.3	18

123	Effect of chemical reactions on the transport coefficients of binary mixtures. <i>Journal of Chemical Physics</i> , 2002 , 117, 2205-2215	3.9	18
122	The influence of vibrational state-resolved transport coefficients on the wave propagation in diatomic gases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 490, 92-113	3.3	16
121	A note on energy-momentum conservation in Palatini formulation of L(R) gravity. <i>General Relativity and Gravitation</i> , 2006 , 38, 517-521	2.3	16
120	Nonlinear Couette flow between two rotating cylinders. <i>Transport Theory and Statistical Physics</i> , 1996 , 25, 217-229		16
119	Cosmological model with fermion and tachyon fields interacting via Yukawa-type potential. <i>Modern Physics Letters A</i> , 2016 , 31, 1650039	1.3	15
118	On the inclusion of recrystallization processes in the modeling of induced anisotropy in ice sheets: a thermodynamicist's point of view. <i>Annals of Glaciology</i> , 2003 , 37, 29-34	2.5	15
117	Heat conduction through a rarefied gas between two rotating cylinders at small temperature difference. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1995 , 46, 680-692	1.6	15
116	Analysis of the nonminimally coupled scalar field in the Palatini formalism by the Noether symmetry approach. <i>Physical Review D</i> , 2013 , 87,	4.9	14
115	Fourteen moment theory for granular gases. <i>Kinetic and Related Models</i> , 2011 , 4, 317-331	2.4	14
114	Effect of molecular diameters on state-to-state transport properties: The shear viscosity coefficient. <i>Chemical Physics Letters</i> , 2015 , 636, 84-89	2.5	13
113	Fermion field as inflaton, dark energy and dark matter. <i>Classical and Quantum Gravity</i> , 2014 , 31, 185008	3.3	13
112	Fermion fields in Einstein-Cartan theory and the accelerated-decelerated transition in a primordial universe. <i>Gravitation and Cosmology</i> , 2010 , 16, 173-177	1.3	13
111	Moment closure of the relativistic Anderson and Witting model equation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001 , 290, 192-202	3.3	13
110	Extended thermodynamics of mixtures of ideal gases. <i>International Journal of Engineering Science</i> , 1987 , 25, 95-115	5.7	13
109	Light scattering and sound propagation in a chemically reacting binary gas mixture. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 323, 401-412	3.3	12
108	Relativistic ionized gases: Ohm and Fourier laws from Anderson and Witting model equation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 322, 329-344	3.3	12
107	Transport phenomena in rotating rarefied gases. <i>Physics of Fluids</i> , 2001 , 13, 335-346	4.4	12
106	Fermions in a Walecka-type cosmology. <i>Europhysics Letters</i> , 2012 , 97, 49003	1.6	11

105	On inelastic reactive collisions in kinetic theory of chemically reacting gas mixtures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010 , 389, 2708-2718	3.3	11
104	On the kinetic theory of relativistic gases. <i>Continuum Mechanics and Thermodynamics</i> , 1997 , 9, 13-21	3.5	11
103	Transport phenomena in a reactive quaternary gas mixture. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007 , 374, 533-548	3.3	11
102	Acceleration Field of a Universe Modeled as a Mixture of Scalar and Matter Fields. <i>General Relativity and Gravitation</i> , 2004 , 36, 2039-2051	2.3	11
101	Irreversible processes in inflationary cosmological models. <i>Physical Review D</i> , 2002 , 66,	4.9	11
100	A generalization of the Chapman-Enskog and Grad methods. <i>Continuum Mechanics and Thermodynamics</i> , 1991 , 3, 155-167	3.5	11
99	Grad's moment method for relativistic gas mixtures of Maxwellian particles. <i>Physics of Fluids</i> , 2013 , 25, 017102	4.4	10
98	The dark sector from interacting canonical and non-canonical scalar fields. <i>Classical and Quantum Gravity</i> , 2010 , 27, 175006	3.3	10
97	Light Scattering from extended kinetic models: Monatomic ideal gases. <i>Continuum Mechanics and Thermodynamics</i> , 1998 , 10, 319-329	3.5	10
96	Creep and recrystallization of large polycrystalline masses. II. Constitutive theory for crystalline media with transversely isotropic grains. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2006 , 462, 1699-1720	2.4	10
95	On Relativistic Collisional Invariants. <i>Journal of Statistical Physics</i> , 1999 , 96, 439-445	1.5	10
94	Light scattering from density fluctuations in dense monatomic gases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990 , 164, 759-771	3.3	10
93	Analysis of instability of systems composed by dark and baryonic matter. <i>International Journal of Modern Physics D</i> , 2016 , 25, 1650012	2.2	10
92	The van der Waals fluid and its role in cosmology. <i>International Journal of Modern Physics D</i> , 2016 , 25, 1650031	2.2	9
91	Jeans instability in a universe with dissipation. <i>Physical Review D</i> , 2018 , 97,	4.9	8
90	Bulk Viscous Cosmological Model with Interacting Dark Fluids. <i>Brazilian Journal of Physics</i> , 2012 , 42, 77-832		8
89	Isotropization in Bianchi type-I cosmological model with fermions and bosons interacting via Yukawa potential. <i>Physica Scripta</i> , 2015 , 90, 105001	2.6	8
88	Cosmic expansion from boson and fermion fields. <i>Classical and Quantum Gravity</i> , 2011 , 28, 125006	3.3	8

87	Rarefied gas flow between two cylinders caused by the evaporation and condensation on their surfaces. <i>Physics of Fluids</i> , 1998 , 10, 3203-3208	4.4	8
86	Spectral distribution of scattered light in polyatomic gases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993 , 197, 352-363	3.3	8
85	Using kinetic theory to examine a self-gravitating system composed of baryons and cold dark matter. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
84	Stellar structure model in hydrostatic equilibrium in the context of R -gravity. <i>Research in Astronomy and Astrophysics</i> , 2017 , 17, 122	1.5	7
83	Relativistic gas in a Schwarzschild metric. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013 , 2013, P04016	1.9	7
82	The relativistic Burnett equations from a moment closure of the Anderson and Witting model equation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 307, 354-374	3.3	7
81	Kinetic theory for mixtures of polyatomic gases of rough spherical molecules. <i>Physics of Fluids A, Fluid Dynamics</i> , 1990 , 2, 1269-1280		7
80	Analysis of Jeans instability from the Boltzmann equation 2016 ,		6
79	Primordial scalar perturbations in tachyonic power-law inflation. <i>Physical Review D</i> , 2014 , 89,	4.9	6
78	Tachyon and quintessence in brane worlds. <i>Physical Review D</i> , 2009 , 79,	4.9	6
77	Analysis of the trend to equilibrium of a chemically reacting system. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007 , 40, 2553-2571	2	6
76	Applications to cosmological models of a complex scalar field coupled to a $U(1)$ vector gauge field. <i>Journal of Cosmology and Astroparticle Physics</i> , 2004 , 2004, 009-009	6.4	6
75	Transition from accelerated to decelerated regimes in JT and CGHS cosmologies. <i>Europhysics Letters</i> , 2004 , 67, 728-733	1.6	6
74	Trend to Equilibrium of a Degenerate Relativistic Gas. <i>Journal of Statistical Physics</i> , 2000 , 98, 441-456	1.5	6
73	Thermodynamics of a diatomic gas with rotational and vibrational degrees of freedom. <i>International Journal of Engineering Science</i> , 1994 , 32, 1241-1252	5.7	6
72	A combined Chapman-Enskog and Grad method. I. Monatomic gases and mixtures. <i>Continuum Mechanics and Thermodynamics</i> , 1994 , 6, 149-160	3.5	6
71	Impact of roughness on the instability of a free-cooling granular gas. <i>Physical Review E</i> , 2018 , 97, 052901	2.4	6
70	Diffusion of relativistic gas mixtures in gravitational fields. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 393, 76-85	3.3	5

69	Cosmological perturbations in transient phantom inflation scenarios. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	5
68	Temperature oscillations of a gas in circular geodesic motion in the Schwarzschild field. <i>Physical Review D</i> , 2015 , 91,	4.9	5
67	Properties of the homogeneous cooling state of a gas of inelastic rough particles 2014 ,		5
66	Accelerated expansion in bosonic and fermionic 2D cosmologies with quantum effects. <i>Europhysics Letters</i> , 2009 , 87, 10001	1.6	5
65	Tachyonization of the Λ CDM cosmological model. <i>General Relativity and Gravitation</i> , 2010 , 42, 1523-1535	2.3	5
64	Enskog kinetic theory of dense gases for chemically reacting binary mixtures. I. Reaction rate and viscosity coefficients. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008 , 387, 1733-1749	3.3	5
63	THE INFLUENCE OF SLIP AND JUMP BOUNDARY CONDITIONS ON THE CYLINDRICAL COUETTE FLOW. <i>Mathematical Models and Methods in Applied Sciences</i> , 2002 , 12, 445-459	3.5	5
62	Self-gravitating systems of ideal gases in the 1PN approximation. <i>Physical Review D</i> , 2016 , 93,	4.9	4
61	Fermionic and bosonic fields in the Einstein-Cartan theory. <i>Modern Physics Letters A</i> , 2017 , 32, 1750135	1.3	4
60	Mixtures of relativistic gases in gravitational fields: Combined Chapman-Enskog and Grad method and the Onsager relations. <i>Physical Review E</i> , 2015 , 91, 052139	2.4	4
59	Cosmological models with interacting components and mass-varying neutrinos. <i>Gravitation and Cosmology</i> , 2012 , 18, 196-200	1.3	4
58	Enskog kinetic theory of dense gases for chemically reacting binary mixtures, II: Light scattering and sound propagation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009 , 388, 295-310	3.3	4
57	The Boltzmann equation in special and general relativity 2012 ,		4
56	The Burnett equations for a relativistic gas. <i>Continuum Mechanics and Thermodynamics</i> , 2000 , 12, 387-401	3.5	4
55	A combined Chapman-Enskog and Grad method. II. Ionized gases. <i>Physics of Plasmas</i> , 1995 , 2, 642-648	2.1	4
54	Instabilities in a self-gravitating granular gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 545, 123667	3.3	4
53	Theory and applications of the relativistic Boltzmann equation. <i>International Journal of Geometric Methods in Modern Physics</i> , 2014 , 11, 1460005	1.5	3
52	Analysis of eigenmodes in a relativistic gas. <i>Continuum Mechanics and Thermodynamics</i> , 2012 , 24, 719-729	3.5	3

51	Relative entropy of a freely cooling granular gas 2012 ,		3
50	Influence of reaction heat on time dependent processes in a chemically reacting binary mixture 2012 ,		3
49	A combined Chapman-Enskog and Grad method. III. Polyatomic gases in magnetic fields. <i>Continuum Mechanics and Thermodynamics</i> , 1997 , 9, 309-322	3.5	3
48	Effect of reaction heat on Maxwellian distribution functions and rate of reactions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007 , 2007, P12003-P12003	1.9	3
47	Influence of state-to-state vibrational distributions on transport coefficients of a single gas 2016 ,		3
46	Post-Newtonian kinetic theory. <i>Annals of Physics</i> , 2021 , 426, 168400	2.5	3
45	Cosmology with fermionic sources and relativistic fluid in Schutz formalism: Classical and quantum solutions. <i>Modern Physics Letters A</i> , 2017 , 32, 1750220	1.3	2
44	A kinetic model for chemical reactions without barriers: transport coefficients and eigenmodes. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011 , 2011, P03014	1.9	2
43	Entropy, entropy flux and entropy rate of granular materials. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010 , 389, 4018-4025	3.3	2
42	Shock Thickness in Monatomic Gases. <i>Meccanica</i> , 1997 , 32, 295-299	2.1	2
41	Linearized Burnett Equation for the Dynamic Pressure of a Relativistic Gas. <i>Continuum Mechanics and Thermodynamics</i> , 1998 , 10, 49-53	3.5	2
40	Note on the relativistic reaction rate coefficient. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007 , 380, 61-65	3.3	2
39	Transport Coefficients for Monatomic Gases According to a Lennard-Jones 6-12 Potential. <i>Journal of Non-Equilibrium Thermodynamics</i> , 1995 , 20,	3.8	2
38	Kinetic Theory for Polyatomic Dense Gases of Rough Spherical Molecules. <i>Journal of Non-Equilibrium Thermodynamics</i> , 1991 , 16,	3.8	2
37	Thermodynamics of binary mixtures of molecular and noble gases. <i>Continuum Mechanics and Thermodynamics</i> , 1992 , 4, 37-57	3.5	2
36	On the Kinetic Theory of Metal Electrons. <i>Journal of Non-Equilibrium Thermodynamics</i> , 1989 , 14,	3.8	2
35	The Boltzmann Equation. <i>Interaction of Mechanics and Mathematics</i> , 2010 , 37-80	9	2
34	Classical and quantum cosmological solutions in Bianchi type-I metric with fermionic field and relativistic fluid in Schutz formalism. <i>Modern Physics Letters A</i> , 2019 , 34, 1950271	1.3	2

33	Chaplygin gas of Tachyon Nature Imposed by Noether Symmetry and constrained via $H(z)$ data. <i>Research in Astronomy and Astrophysics</i> , 2016 , 16, 014	1.5	1
32	Exit from accelerated regimes by symmetry breaking in a universe filled with fermionic and bosonic sources. <i>Modern Physics Letters A</i> , 2014 , 29, 1450086	1.3	1
31	Analysis of the Reaction Rate Coefficients for Slow Bimolecular Chemical Reactions. <i>Brazilian Journal of Physics</i> , 2012 , 42, 400-409	1.2	1
30	Fermionic cosmologies. <i>Journal of Physics: Conference Series</i> , 2011 , 306, 012052	0.3	1
29	Fifth Approximation to the Transport Coefficients of Helium at Low Temperatures. <i>Journal of Non-Equilibrium Thermodynamics</i> , 1996 , 21,	3.8	1
28	Light scattering in monatomic dense gases from a kinetic model of the Enskog equation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 310, 333-346	3.3	1
27	On the effect of a chemical reaction on heat conduction and dynamic pressure. <i>Acta Mechanica</i> , 1999 , 132, 37-45	2.1	1
26	Classical Kinetic Theory for Binary Mixtures of Monatomic and Polyatomic Gases. <i>Journal of Non-Equilibrium Thermodynamics</i> , 1992 , 17,	3.8	1
25	Kinetic theory for binary mixtures of monatomic and polyatomic gases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993 , 192, 63-84	3.3	1
24	Extended Thermodynamics and Statistical Mechanics of a Polyatomic Ideal Gas. <i>Journal of Non-Equilibrium Thermodynamics</i> , 1989 , 14,	3.8	1
23	Jeans instability from post-Newtonian Boltzmann equation. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
22	Boltzmann Equation in Gravitational Fields 2002 , 327-346		1
21	Fermionic cosmological model with gauge and Schutz couplings: Classical and quantum analysis. <i>International Journal of Modern Physics A</i> , 2020 , 35, 2050133	1.2	1
20	Temperature oscillations of a gas moving close to circular geodesic in Reissner-Nordström spacetime. <i>International Journal of Modern Physics D</i> , 2019 , 28, 1950059	2.2	1
19	Equilibrium and stability properties of detonation waves in the hydrodynamic limit of a kinetic model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015 , 48, 235501	2	0
18	Reply to Gagliardini's comment on "Creep and recrystallization of large polycrystalline masses" by Faria and co-authors. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2008 , 464, 2803-2809	2.4	0
17	A constitutive theory for ferrofluids. <i>Continuum Mechanics and Thermodynamics</i> , 1999 , 11, 297-306	3.5	0
16	Post-Newtonian Jeans Equation for Stationary and Spherically Symmetrical Self-Gravitating Systems. <i>Universe</i> , 2022 , 8, 179	2.5	0

- 15 Post-Newtonian non-equilibrium kinetic theory. *Annals of Physics*, **2022**, 168865 2.5 0
- 14 Transport coefficients for relativistic gas mixtures of hard-sphere particles. *Physica A: Statistical Mechanics and Its Applications*, **2017**, 471, 44-58 3.3
- 13 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 1.2
- 12 Hydrodynamic bidimensional stability of detonation wave solutions for reactive mixtures. *Journal of Statistical Mechanics: Theory and Experiment*, **2019**, 2019, 083217 1.9
- 11 Conformal coupling associated with the Noether symmetry and its connection with the Λ CDM dynamics. *Classical and Quantum Gravity*, **2013**, 30, 175011 3.3
- 10 Inflationary and dark energy regimes in 2+1 dimensions. *General Relativity and Gravitation*, **2006**, 38, 333-344 2.3
- 9 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 3.5
- 8 Light scattering in binary mixtures of monatomic gases from an extended kinetic description. *Continuum Mechanics and Thermodynamics*, **2002**, 14, 45-53 3.5
- 7 Note on Slemrod's universal relation ($\omega_3 + \omega_4 + \theta_3 = 0$) for the Burnett coefficients. *Continuum Mechanics and Thermodynamics*, **2003**, 15, 217-219 3.5
- 6 Kinetic and phenomenological theories for the linearized Burnett equations of a molecular gas. *Continuum Mechanics and Thermodynamics*, **1993**, 5, 67-81 3.5
- 5 An H-Theorem for Chemically Reacting Gases. *Springer Proceedings in Mathematics*, **2011**, 503-506
- 4 Kinetic Theory for Chemical Reactions Without a Barrier. *Springer Proceedings in Mathematics*, **2011**, 533-543
- 3 Cosmological Solutions for the Geometrical Scalar-Tensor with the Potential Determined by the Noether Symmetry Approach. *Symmetry*, **2020**, 12, 1110 2.7
- 2 Quantum Bohmian description of a primordial universe with Fermionic and Bosonic sources. *International Journal of Modern Physics A*, **2021**, 36, 2150103 1.2
- 1 Mapping between different cosmological eras in scale-covariant formalism. *International Journal of Modern Physics A*, **2020**, 35, 2050044 1.2