Gilberto M Kremer

List of Publications by Year
in descending order

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178 papers	2,629 citations	218381 26 h-index	301761 39 g-index
185 all docs	185 docs citations	185 times ranked	970 citing authors

#	Article	IF	Citations
1	Post-Newtonian Jeans Equation for Stationary and Spherically Symmetrical Self-Gravitating Systems. Universe, 2022, 8, 179.	0.9	1
2	Jeans instability in an expanding universe with dissipation. International Journal of Modern Physics D, 2022, 31, .	0.9	1
3	Post-Newtonian non-equilibrium kinetic theory. Annals of Physics, 2022, 441, 168865.	1.0	1
4	Post-Newtonian kinetic theory. Annals of Physics, 2021, 426, 168400.	1.0	8
5	Quantum Bohmian description of a primordial universe with Fermionic and Bosonic sources. International Journal of Modern Physics A, 2021, 36, 2150103.	0.5	1
6	Post-Newtonian spherically symmetrical accretion. Physical Review D, 2021, 104, .	1.6	4
7	Jeans instability from post-Newtonian Boltzmann equation. European Physical Journal C, 2021, 81, 1.	1.4	9
8	Instabilities in a self-gravitating granular gas. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123667.	1.2	6
9	Cosmological Solutions for the Geometrical Scalar-Tensor with the Potential Determined by the Noether Symmetry Approach. Symmetry, 2020, 12, 1110.	1.1	1
10	Fermionic cosmological model with gauge and Schutz couplings: Classical and quantum analysis. International Journal of Modern Physics A, 2020, 35, 2050133.	0.5	1
11	Mapping between different cosmological eras in scale-covariant formalism. International Journal of Modern Physics A, 2020, 35, 2050044.	0.5	2
12	Fourteen moment method for moderately dense granular gases. AIP Conference Proceedings, 2019, , .	0.3	0
13	Hydrodynamic bidimensional stability of detonation wave solutions for reactive mixtures. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 083217.	0.9	0
14	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
15	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
16	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
17	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
18	Jeans instability in a universe with dissipation. Physical Review D, 2018, 97, .	1.6	14

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19	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
20	Impact of roughness on the instability of a free-cooling granular gas. Physical Review E, 2018, 97, 052901.	0.8	10
21	Transport coefficients for relativistic gas mixtures of hard-sphere particles. Physica A: Statistical Mechanics and Its Applications, 2017, 471, 44-58.	1.2	0
22	Fermionic and bosonic fields in the Einsteinâ€“Cartan theory. Modern Physics Letters A, 2017, 32, 1750135.	0.5	5
23	Cosmological perturbations in transient phantom inflation scenarios. European Physical Journal C, 2017, 77, 1.	1.4	9
24	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
25	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
26	Influence of state-to-state vibrational distributions on transport coefficients of a single gas. AIP Conference Proceedings, 2016, , .	0.3	3
27	Analysis of instability of systems composed by dark and baryonic matter. International Journal of Modern Physics D, 2016, 25, 1650012.	0.9	18
28	Self-gravitating systems of ideal gases in the 1PN approximation. Physical Review D, 2016, 93, .	1.6	11
29	Thermal conductivity, shear and bulk viscosities for a relativistic binary mixture. AIP Conference Proceedings, 2016, , .	0.3	0
30	Analysis of Jeans instability from the Boltzmann equation. AIP Conference Proceedings, 2016, , .	0.3	10
31	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
32	Cosmological model with fermion and tachyon fields interacting via Yukawa-type potential. Modern Physics Letters A, 2016, 31, 1650039.	0.5	20
33	The van der Waals fluid and its role in cosmology. International Journal of Modern Physics D, 2016, 25, 1650031.	0.9	9
34	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
35	Non-minimally coupled tachyon field with Noether symmetry under the Palatini approach. , 2015, , .		3
36	Isotropization in Bianchi type-I cosmological model with fermions and bosons interacting via Yukawa potential. Physica Scripta, 2015, 90, 105001.	1.2	9

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37	Temperature oscillations of a gas in circular geodesic motion in the Schwarzschild field. Physical Review D, 2015, 91, .	1.6	5
38	Effect of molecular diameters on state-to-state transport properties: The shear viscosity coefficient. Chemical Physics Letters, 2015, 636, 84-89.	1.2	15
39	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
40	Relativistic mixtures of charged and uncharged particles. , 2014, , .		0
41	Theory and applications of the relativistic Boltzmann equation. International Journal of Geometric Methods in Modern Physics, 2014, 11, 1460005.	0.8	4
42	Fermion field as inflaton, dark energy and dark matter. Classical and Quantum Gravity, 2014, 31, 185008.	1.5	19
43	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
44	Reacting gas mixtures in the state-to-state approach: The chemical reaction rates. , 2014, , .		0
45	Properties of the homogeneous cooling state of a gas of inelastic rough particles. , 2014, , .		7
46	Transport coefficients of a granular gas of inelastic rough hard spheres. Physical Review E, 2014, 90, 022205.	0.8	28
47	Role of roughness on the hydrodynamic homogeneous base state of inelastic spheres. Physical Review E, 2014, 89, 020202.	0.8	34
48	Gastric Histopathology in Laparoscopic Sleeve Gastrectomy: Pre- and Post-Operative Comparison. Obesity Surgery, 2014, 24, 371-376.	1.1	25
49	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
50	Primordial scalar perturbations in tachyonic power-law inflation. Physical Review D, 2014, 89, .	1.6	6
51	Diffusion of relativistic gas mixtures in gravitational fields. Physica A: Statistical Mechanics and Its Applications, 2014, 393, 76-85.	1.2	12
52	Analysis of the nonminimally coupled scalar field in the Palatini formalism by the Noether symmetry approach. Physical Review D, 2013, 87, .	1.6	15
53	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
54	Grad's moment method for relativistic gas mixtures of Maxwellian particles. Physics of Fluids, 2013, 25, .	1.6	11

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55	Relativistic gas in a Schwarzschild metric. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P04016.	0.9	10
56	Fermions in a Walecka-type cosmology. Europhysics Letters, 2012, 97, 49003.	0.7	13
57	Influence of reaction heat on time dependent processes in a chemically reacting binary mixture. , 2012, , .		3
58	The Boltzmann equation in special and general relativity. AIP Conference Proceedings, 2012, , .	0.3	5
59	Analysis of eigenmodes in a relativistic gas. Continuum Mechanics and Thermodynamics, 2012, 24, 719-729.	1.4	3
60	Analysis of the Reaction Rate Coefficients for Slow Bimolecular Chemical Reactions. Brazilian Journal of Physics, 2012, 42, 400-409.	0.7	2
61	Cosmological models with interacting components and mass-varying neutrinos. Gravitation and Cosmology, 2012, 18, 196-200.	0.3	4
62	Relative entropy of a freely cooling granular gas. , 2012, , .		4
63	Bulk Viscous Cosmological Model with Interacting Dark Fluids. Brazilian Journal of Physics, 2012, 42, 77-83.	0.7	8
64	Fermionic cosmologies. Journal of Physics: Conference Series, 2011, 306, 012052.	0.3	1
65	Fermionic cosmologies with Yukawa-type interactions. Europhysics Letters, 2011, 93, 19002.	0.7	27
66	Cosmic expansion from boson and fermion fields. Classical and Quantum Gravity, 2011, 28, 125006.	1.5	8
67	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
68	Sonine approximation for collisional moments of granular gases of inelastic rough spheres. Physics of Fluids, 2011, 23, .	1.6	27
69	Transport Properties of a Kinetic Model for Chemical Reactions without Barriers. , 2011, , .		0
70	Spectral Distribution of Scattered Light from a Chemical Relaxation System. , 2011, , .		0
71	Fourteen moment theory for granular gases. Kinetic and Related Models, 2011, 4, 317-331.	0.5	21
72	Kinetic Theory for Chemical Reactions Without a Barrier. Springer Proceedings in Mathematics, 2011, , 533-543.	0.5	0

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73	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
74	Entropy, entropy flux and entropy rate of granular materials. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 4018-4025.	1.2	4
75	Tachyonization of the Î›CDM cosmological model. General Relativity and Gravitation, 2010, 42, 1523-1535.	0.7	5
76	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
77	Energy Production Rates in Fluid Mixtures of Inelastic Rough Hard Spheres. Progress of Theoretical Physics Supplement, 2010, 184, 31-48.	0.2	26
78	Relativistic Fluids in Special and General Relativity. , 2010, , .		1
79	The dark sector from interacting canonical and non-canonical scalar fields. Classical and Quantum Gravity, 2010, 27, 175006.	1.5	10
80	Fermions in Brans-Dicke cosmology. Physical Review D, 2010, 81, .	1.6	27
81	An Introduction to the Boltzmann Equation and Transport Processes in Gases. Interaction of Mechanics and Mathematics, 2010, , .	0.9	177
82	Dense Gases. Interaction of Mechanics and Mathematics, 2010, , 165-184.	0.9	1
83	Chemically Reacting Gas Mixtures. Interaction of Mechanics and Mathematics, 2010, , 235-296.	0.9	0
84	Mixtures of Monatomic Gases. Interaction of Mechanics and Mathematics, 2010, , 203-233.	0.9	0
85	Polyatomic Gases. Interaction of Mechanics and Mathematics, 2010, , 133-164.	0.9	0
86	Moment Methods. Interaction of Mechanics and Mathematics, 2010, , 109-132.	0.9	0
87	Granular Gases. Interaction of Mechanics and Mathematics, 2010, , 185-202.	0.9	0
88	Constraining non-minimally coupled tachyon fields by the Noether symmetry. Classical and Quantum Gravity, 2009, 26, 135008.	1.5	33
89	Accelerated expansion in bosonic and fermionic 2D cosmologies with quantum effects. Europhysics Letters, 2009, 87, 10001.	0.7	6
90	Cosmological model with interactions in the dark sector. General Relativity and Gravitation, 2009, 41, 1125-1137.	0.7	45

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91	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
92	Tachyon and quintessence in brane worlds. Physical Review D, 2009, 79, .	1.6	6
93	$mathcal H$-Theorem and trend to equilibrium of chemically reacting mixtures of gases. Kinetic and Related Models, 2009, 2, 333-343.	0.5	1
94	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
95	A Kinetic Model for Chemical Reactions without Barriers. , 2008, , .		2
96	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
97	Noether symmetry for non-minimally coupled fermion fields. Classical and Quantum Gravity, 2008, 25, 225006.	1.5	57
98	Phantom cosmologies and fermions. Classical and Quantum Gravity, 2008, 25, 085007.	1.5	31
99	Cosmological model with non-minimally coupled fermionic field. Europhysics Letters, 2008, 81, 19001.	0.7	48
100	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
101	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
102	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
103	Transport phenomena in a reactive quaternary gas mixture. Physica A: Statistical Mechanics and Its Applications, 2007, 374, 533-548.	1.2	15
104	Note on the relativistic reaction rate coefficient. Physica A: Statistical Mechanics and Its Applications, 2007, 380, 61-65.	1.2	3
105	Dark energy interacting with neutrinos and dark matter: a phenomenological theory. General Relativity and Gravitation, 2007, 39, 965-972.	0.7	23
106	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
107	Inflationary and dark energy regimes in 2+1 dimensions. General Relativity and Gravitation, 2006, 38, 333-344.	0.7	0
108	A note on energy-momentum conservation in Palatini formulation of L(R) gravity. General Relativity and Gravitation, 2006, 38, 517-521.	0.7	18

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109	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
110	A relaxation kinetic model for transport phenomena in a reactive flow. Physics of Fluids, 2006, 18, 037104.	1.6	27
111	Transport Coefficients of a Single Reactive Gas. AIP Conference Proceedings, 2005, , .	0.3	2
112	Fermions as sources of accelerated regimes in cosmology. Physical Review D, 2005, 72, .	1.6	98
113	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
114	Palatini approach to1/Rgravity and its implications to the late universe. Physical Review D, 2004, 70, .	1.6	39
115	Letter: Brane Cosmology with a van der Waals Equation of State. General Relativity and Gravitation, 2004, 36, 1423-1432.	0.7	18
116	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
117	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
118	Transition from accelerated to decelerated regimes in JT and CGHS cosmologies. Europhysics Letters, 2004, 67, 728-733.	0.7	7
119	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
120	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
121	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
122	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
123	Cosmological models described by a mixture of van der Waals fluid and dark energy. Physical Review D, 2003, 68, .	1.6	83
124	Viscous cosmological models and accelerated universes. Physical Review D, 2003, 67, .	1.6	41
125	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
126	Free molecular sound propagation. Journal of the Acoustical Society of America, 2002, 112, 395-401.	0.5	30

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127	Thermodynamics and kinetic theory of relativistic gases in 2D cosmological models. Physical Review D, 2002, 65, .	1.6	26
128	Irreversible processes in inflationary cosmological models. Physical Review D, 2002, 66, .	1.6	15
129	Effect of chemical reactions on the transport coefficients of binary mixtures. Journal of Chemical Physics, 2002, 117, 2205-2215.	1.2	20
130	The Relativistic Boltzmann Equation: Theory and Applications. , 2002, , .		368
131	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
132	Light scattering in binary mixtures of monatomic gases from an extended kinetic description. Continuum Mechanics and Thermodynamics, 2002, 14, 45-53.	1.4	0
133	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
134	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
135	Boltzmann Equation in Gravitational Fields. , 2002, , 327-346.		1
136	Asymptotic behavior of rotating rarefied gases with evaporation and condensation. AIP Conference Proceedings, 2001, , .	0.3	0
137	Transport phenomena in rotating rarefied gases. Physics of Fluids, 2001, 13, 335-346.	1.6	12
138	Moment closure of the relativistic Anderson and Witting model equation. Physica A: Statistical Mechanics and Its Applications, 2001, 290, 192-202.	1.2	14
139	Trend to Equilibrium of a Degenerate Relativistic Gas. Journal of Statistical Physics, 2000, 98, 441-456.	0.5	8
140	Couette flow with slip and jump boundary conditions. Continuum Mechanics and Thermodynamics, 2000, 12, 379-386.	1.4	60
141	The Burnett equations for a relativistic gas. Continuum Mechanics and Thermodynamics, 2000, 12, 387-401.	1.4	5
142	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
143	On the effect of a chemical reaction on heat conduction and dynamic pressure. Acta Mechanica, 1999, 132, 37-45.	1.1	1
144	On Relativistic Collisional Invariants. Journal of Statistical Physics, 1999, 96, 439-445.	0.5	11

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145	A constitutive theory for ferrofluids. Continuum Mechanics and Thermodynamics, 1999, 11, 297-306.	1.4	1
146	Linearized Burnett Equation for the Dynamic Pressure of a Relativistic Gas. Continuum Mechanics and Thermodynamics, 1998, 10, 49-53.	1.4	4
147	Light Scattering from extended kinetic models: Monatomic ideal gases. Continuum Mechanics and Thermodynamics, 1998, 10, 319-329.	1.4	11
148	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
149	Shock Thickness in Monatomic Gases. Meccanica, 1997, 32, 295-299.	1.2	2
150	On the kinetic theory of relativistic gases. Continuum Mechanics and Thermodynamics, 1997, 9, 13-21.	1.4	16
151	A combined Chapman-Enskog and Grad method. III. Polyatomic gases in magnetic fields. Continuum Mechanics and Thermodynamics, 1997, 9, 309-322.	1.4	4
152	Burnett's equations from a (13+9N)-field theory. Continuum Mechanics and Thermodynamics, 1996, 8, 121-130.	1.4	26
153	Nonlinear Couette flow between two rotating cylinders. Transport Theory and Statistical Physics, 1996, 25, 217-229.	0.4	20
154	Light Scattering from Binary Mixtures of Monatomic and Polyatomic Gases. Journal of Non-Equilibrium Thermodynamics, 1996, 21, .	2.4	0
155	Fifth Approximation to the Transport Coefficients of Helium at Low Temperatures. Journal of Non-Equilibrium Thermodynamics, 1996, 21, .	2.4	1
156	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
157	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
158	Transport Coefficients for Monatomic Gases According to a Lennard-Jones 6â€"12 Potential. Journal of Non-Equilibrium Thermodynamics, 1995, 20, .	2.4	2
159	A combined Chapmanâ€"Enskog and Grad method. II. Ionized gases. Physics of Plasmas, 1995, 2, 642-648.	0.7	4
160	Thermodynamics of a diatomic gas with rotational and vibrational degrees of freedom. International Journal of Engineering Science, 1994, 32, 1241-1252.	2.7	7
161	A combined Chapman-Enskog and Grad method. I. Monatomic gases and mixtures. Continuum Mechanics and Thermodynamics, 1994, 6, 149-160.	1.4	9
162	Kinetic theory for binary mixtures of monatomic and polyatomic gases. Physica A: Statistical Mechanics and Its Applications, 1993, 192, 63-84.	1.2	3

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163	Spectral distribution of scattered light in polyatomic gases. Physica A: Statistical Mechanics and Its Applications, 1993, 197, 352-363.	1.2	10
164	Kinetic and phenomenological theories for the linearized Burnett equations of a molecular gas. Continuum Mechanics and Thermodynamics, 1993, 5, 67-81.	1.4	0
165	Classical Kinetic Theory for Binary Mixtures of Monatomic and Polyatomic Gases. Journal of Non-Equilibrium Thermodynamics, 1992, 17, .	2.4	3
166	Radiation thermodynamics. Journal of Mathematical Physics, 1992, 33, 2265-2268.	0.5	32
167	Thermodynamics of binary mixtures of molecular and noble gases. Continuum Mechanics and Thermodynamics, 1992, 4, 37-57.	1.4	3
168	A generalization of the Chapman-Enskog and Grad methods. Continuum Mechanics and Thermodynamics, 1991, 3, 155-167.	1.4	11
169	Kinetic Theory for Polyatomic Dense Gases of Rough Spherical Molecules. Journal of Non-Equilibrium Thermodynamics, 1991, 16, .	2.4	7
170	Kinetic theory for mixtures of polyatomic gases of rough spherical molecules. Physics of Fluids A, Fluid Dynamics, 1990, 2, 1269-1280.	1.6	8
171	Light scattering from density fluctuations in dense monatomic gases. Physica A: Statistical Mechanics and Its Applications, 1990, 164, 759-771.	1.2	10
172	Method of moments of Grad. Physical Review A, 1990, 42, 815-820.	1.0	47
173	On the Kinetic Theory of Metal Electrons. Journal of Non-Equilibrium Thermodynamics, 1989, 14, .	2.4	2
174	Extended Thermodynamics and Statistical Mechanics of a Polyatomic Ideal Gas. Journal of Non-Equilibrium Thermodynamics, 1989, 14, .	2.4	2
175	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
176	Extended thermodynamics of mixtures of ideal gases. International Journal of Engineering Science, 1987, 25, 95-115.	2.7	17
177	Extended thermodynamics of non-ideal gases. Physica A: Statistical Mechanics and Its Applications, 1987, 144, 156-178.	1.2	32
178	Decay of Electromagnetic Waves in Fluids. Journal of Non-Equilibrium Thermodynamics, 1983, 8, .	2.4	0