

Vicente Garzo

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188
papers

3,289
citations

29
h-index

49
g-index

202
ext. papers

3,638
ext. citations

2.7
avg, IF

5.73
L-index

#	Paper	IF	Citations
188	Dense fluid transport for inelastic hard spheres. <i>Physical Review E</i> , 1999 , 59, 5895-911	2.4	309
187	Homogeneous cooling state for a granular mixture. <i>Physical Review E</i> , 1999 , 60, 5706-13	2.4	152
186	Kinetic Theory of Gases in Shear Flows 2003 ,		112
185	Hydrodynamics for a granular binary mixture at low density. <i>Physics of Fluids</i> , 2002 , 14, 1476-1490	4.4	101
184	Enskog theory for polydisperse granular mixtures. I. Navier-Stokes order transport. <i>Physical Review E</i> , 2007 , 76, 031303	2.4	98
183	Kinetic temperatures for a granular mixture. <i>Physical Review E</i> , 2002 , 66, 041301	2.4	98
182	A kinetic model for a multicomponent gas. <i>Physics of Fluids A, Fluid Dynamics</i> , 1989 , 1, 380-383		93
181	Enskog kinetic theory for monodisperse gas-solid flows. <i>Journal of Fluid Mechanics</i> , 2012 , 712, 129-168	3.7	80
180	Inherent rheology of a granular fluid in uniform shear flow. <i>Physical Review E</i> , 2004 , 69, 061303	2.4	78
179	Transport coefficients of a heated granular gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 313, 336-356	3.3	78
178	Enskog theory for polydisperse granular mixtures. II. Sonine polynomial approximation. <i>Physical Review E</i> , 2007 , 76, 031304	2.4	76
177	Kinetic theory of simple granular shear flows of smooth hard spheres. <i>Journal of Fluid Mechanics</i> , 1999 , 389, 391-411	3.7	72
176	Monte Carlo simulation of the homogeneous cooling state for a granular mixture. <i>Granular Matter</i> , 2002 , 4, 17-24	2.6	67
175	Modified Sonine approximation for the Navier-Stokes transport coefficients of a granular gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007 , 376, 94-107	3.3	55
174	Segregation in granular binary mixtures: Thermal diffusion. <i>Europhysics Letters</i> , 2006 , 75, 521-527	1.6	42
173	Transport coefficients for an inelastic gas around uniform shear flow: linear stability analysis. <i>Physical Review E</i> , 2006 , 73, 021304	2.4	41
172	Instabilities in a free granular fluid described by the Enskog equation. <i>Physical Review E</i> , 2005 , 72, 021106.4	2.4	38

171	Diffusion of impurities in a granular gas. <i>Physical Review E</i> , 2004 , 69, 021301	2.4	38
170	Tracer diffusion in granular shear flows. <i>Physical Review E</i> , 2002 , 66, 021308	2.4	37
169	Shear viscosity for a heated granular binary mixture at low density. <i>Physical Review E</i> , 2003 , 67, 021308	2.4	36
168	Mobility and Diffusion in Granular Fluids. <i>Journal of Statistical Physics</i> , 2001 , 105, 723-744	1.5	36
167	Kinetic model for steady heat flow. <i>Physical Review A</i> , 1986 , 34, 5047-5050	2.6	34
166	Granular Gaseous Flows. <i>Soft and Biological Matter</i> , 2019 ,	0.8	33
165	Brazil-nut effect versus reverse Brazil-nut effect in a moderately dense granular fluid. <i>Physical Review E</i> , 2008 , 78, 020301	2.4	33
164	Shear viscosity for a moderately dense granular binary mixture. <i>Physical Review E</i> , 2003 , 68, 041302	2.4	33
163	Mass and heat fluxes for a binary granular mixture at low density. <i>Physics of Fluids</i> , 2006 , 18, 083305	4.4	32
162	Assessing a hydrodynamic description for instabilities in highly dissipative, freely cooling granular gases. <i>Physical Review E</i> , 2012 , 85, 041303	2.4	31
161	Transport properties for driven granular fluids in situations close to homogeneous steady states. <i>Physical Review E</i> , 2013 , 87,	2.4	29
160	Rheological properties in a low-density granular mixture. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 310, 17-38	3.3	29
159	Nonlinear Couette Flow in a Low Density Granular Gas. <i>Journal of Statistical Physics</i> , 2001 , 103, 1035-1068	5	29
158	Exact moment solution of the Boltzmann equation for uniform shear flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1995 , 213, 409-425	3.3	29
157	Influence of nonconservative external forces on self-diffusion in dilute gases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990 , 163, 651-671	3.3	29
156	Monte Carlo simulation of the Boltzmann equation for steady Fourier flow. <i>Physical Review E</i> , 1994 , 49, 367-375	2.4	26
155	On the Einstein relation in a heated granular gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004 , 343, 105-126	3.3	25
154	Rheology of Two- and Three-dimensional Granular Mixtures Under Uniform Shear Flow: Enskog Kinetic Theory Versus Molecular Dynamics Simulations. <i>Granular Matter</i> , 2006 , 8, 103-115	2.6	24

153	Transport Coefficients for Inelastic Maxwell Mixtures. <i>Journal of Statistical Physics</i> , 2005 , 118, 935-971	1.5	24
152	Navier-Stokes Transport Coefficients of d-Dimensional Granular Binary Mixtures at Low Density. <i>Journal of Statistical Physics</i> , 2007 , 129, 27-58	1.5	23
151	Energy Production Rates in Fluid Mixtures of Inelastic Rough Hard Spheres. <i>Progress of Theoretical Physics Supplement</i> , 2010 , 184, 31-48		22
150	Thermal diffusion segregation in granular binary mixtures described by the Enskog equation. <i>New Journal of Physics</i> , 2011 , 13, 055020	2.9	22
149	Nonlinear Transport in Inelastic Maxwell Mixtures Under Simple Shear Flow. <i>Journal of Statistical Physics</i> , 2003 , 112, 657-683	1.5	22
148	Non-Newtonian granular hydrodynamics. What do the inelastic simple shear flow and the elastic fourier flow have in common?. <i>Physical Review Letters</i> , 2010 , 104, 028001	7.4	21
147	Mass transport of impurities in a moderately dense granular gas. <i>Physical Review E</i> , 2009 , 79, 041303	2.4	21
146	Modified Sonine approximation for granular binary mixtures. <i>Journal of Fluid Mechanics</i> , 2009 , 623, 387-411	3.7	21
145	Homogeneous steady states in a granular fluid driven by a stochastic bath with friction. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013 , 2013, P07013	1.9	20
144	Segregation by thermal diffusion in moderately dense granular mixtures. <i>European Physical Journal E</i> , 2009 , 29, 261-74	1.5	20
143	Comparison between the Boltzmann and BGK equations for uniform shear flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1995 , 213, 426-434	3.3	20
142	Singular behavior of shear flow far from equilibrium. <i>Physical Review Letters</i> , 1993 , 71, 3971-3974	7.4	20
141	Transport coefficients of a granular gas of inelastic rough hard spheres. <i>Physical Review E</i> , 2014 , 90, 022205	2.05	19
140	Grad's moment method for a granular fluid at moderate densities: Navier-Stokes transport coefficients. <i>Physics of Fluids</i> , 2013 , 25, 043301	4.4	18
139	Transport coefficients for driven granular mixtures at low density. <i>Physical Review E</i> , 2013 , 88, 052201	2.4	18
138	Kinetic theory of shear thickening for a moderately dense gas-solid suspension: From discontinuous thickening to continuous thickening. <i>Physical Review E</i> , 2017 , 96, 042903	2.4	17
137	Enskog theory for polydisperse granular mixtures. III. Comparison of dense and dilute transport coefficients and equations of state for a binary mixture. <i>Powder Technology</i> , 2012 , 220, 24-36	5.2	17
136	Nonlinear transport for a dilute gas in steady Couette flow. <i>Physics of Fluids</i> , 1997 , 9, 776-787	4.4	17

135	Instabilities in granular binary mixtures at moderate densities. <i>Physical Review E</i> , 2014 , 89, 020201	2.4	16
134	First-order Chapman-Enskog velocity distribution function in a granular gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007 , 376, 75-93	3.3	16
133	Shear-rate-dependent transport coefficients for inelastic Maxwell models. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007 , 40, 10729-10757	2	16
132	Simple shear flow in inelastic Maxwell models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007 , 2007, P08021-P08021	1.9	16
131	Kinetic models for diffusion in shear flow. <i>Physics of Fluids A, Fluid Dynamics</i> , 1992 , 4, 1057-1069		16
130	Non-Newtonian hydrodynamics for a dilute granular suspension under uniform shear flow. <i>Physical Review E</i> , 2015 , 92, 052205	2.4	15
129	Third and fourth degree collisional moments for inelastic Maxwell models. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007 , 40, 14927-14943	2	15
128	Energy Nonequilibrium in a Sheared Granular Mixture. <i>Molecular Simulation</i> , 2003 , 29, 357-362	2	14
127	Transport properties in a binary mixture under shear flow. <i>Physical Review E</i> , 1995 , 52, 3812-3820	2.4	14
126	Tracer diffusion in shear flow. <i>Physical Review A</i> , 1991 , 44, 1397-1400	2.6	14
125	DSMC evaluation of the Navier-Stokes shear viscosity of a granular fluid. <i>AIP Conference Proceedings</i> , 2005 ,	0	13
124	Monte Carlo simulation of nonlinear Couette flow in a dilute gas. <i>Physics of Fluids</i> , 2000 , 12, 3060	4.4	13
123	Hydrodynamics of Inelastic Maxwell Models. <i>Mathematical Modelling of Natural Phenomena</i> , 2011 , 6, 37-76	3	12
122	Segregation of an intruder in a heated granular dense gas. <i>Physical Review E</i> , 2012 , 85, 021308	2.4	12
121	Nonlinear heat transport in a dilute gas in the presence of gravitation. <i>Physical Review E</i> , 1997 , 56, 6729-6734	2.4	12
120	Kinetic model for heat and momentum transport. <i>Physics of Fluids</i> , 1994 , 6, 3787-3794	4.4	12
119	On the Burnett equations for a dense monatomic hard-sphere gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993 , 197, 98-112	3.3	12
118	Hydrodynamic Burnett equations for inelastic Maxwell models of granular gases. <i>Physical Review E</i> , 2014 , 89, 052201	2.4	11

117	Class of dilute granular Couette flows with uniform heat flux. <i>Physical Review E</i> , 2011 , 83, 021302	2.4	11
116	Rheological properties for inelastic Maxwell mixtures under shear flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010 , 165, 932-940	2.7	11
115	Granular mixtures modeled as elastic hard spheres subject to a drag force. <i>Physical Review E</i> , 2007 , 75, 061306	2.4	11
114	Tracer diffusion under shear flow for general repulsive interactions. <i>Physics of Fluids</i> , 1995 , 7, 478-486	4.4	11
113	Monte Carlo simulation of the Boltzmann equation for uniform shear flow. <i>Physics of Fluids</i> , 1996 , 8, 1981-1983	4.4	11
112	Singular Behavior of Shear Flow Far from Equilibrium. <i>Physical Review Letters</i> , 1994 , 72, 1392-1392	7.4	11
111	Comparison between the homogeneous-shear and the sliding-boundary methods to produce shear flow. <i>Physical Review A</i> , 1992 , 46, 8018-8020	2.6	11
110	Enskog kinetic theory for multicomponent granular suspensions. <i>Physical Review E</i> , 2020 , 101, 012904	2.4	11
109	Transport coefficients of solid particles immersed in a viscous gas. <i>Physical Review E</i> , 2016 , 93, 012905	2.4	10
108	Non-equilibrium phase transition in a sheared granular mixture. <i>Europhysics Letters</i> , 2011 , 94, 50009	1.6	10
107	Singular behavior of the velocity moments of a dilute gas under uniform shear flow. <i>Physical Review E</i> , 1996 , 53, 1269-1272	2.4	10
106	Heat and momentum transport in a gaseous dilute solution. <i>Physical Review E</i> , 1993 , 48, 256-262	2.4	10
105	Steady base states for non-Newtonian granular hydrodynamics. <i>Journal of Fluid Mechanics</i> , 2013 , 719, 431-464	3.7	9
104	Homogeneous states in driven granular mixtures: Enskog kinetic theory versus molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2014 , 140, 164901	3.9	9
103	A numerical study of the Navier-Stokes transport coefficients for two-dimensional granular hydrodynamics. <i>New Journal of Physics</i> , 2013 , 15, 043044	2.9	9
102	Transport coefficients of driven granular fluids at moderate volume fraction. <i>Physical Review E</i> , 2011 , 84, 012301	2.4	9
101	Effect of energy nonequipartition on the transport properties in a granular mixture. <i>Granular Matter</i> , 2003 , 5, 165-168	2.6	9
100	Nonlinear Couette flow in a dilute gas: Comparison between theory and molecular-dynamics simulation. <i>Physical Review E</i> , 1998 , 58, 1836-1842	2.4	9

99	Analysis of the Evans and Baranyai variational principle in dilute gases. <i>Physical Review Letters</i> , 1993 , 70, 2730-2733	7.4	9
98	Nonlinear transport in a dilute binary mixture of mechanically different particles. <i>Journal of Statistical Physics</i> , 1994 , 75, 797-816	1.5	9
97	Energy nonequipartition in gas mixtures of inelastic rough hard spheres: The tracer limit. <i>Physical Review E</i> , 2017 , 96, 052901	2.4	8
96	Diffusion transport coefficients for granular binary mixtures at low density: Thermal diffusion segregation. <i>Physics of Fluids</i> , 2013 , 25, 043302	4.4	8
95	Kinetic models for diffusion generated by an external force. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996 , 225, 235-253	3.3	8
94	Exact solution of the Boltzmann equation in the homogeneous color conductivity problem. <i>Journal of Statistical Physics</i> , 1991 , 65, 747-760	1.5	8
93	An exact solution of the inelastic Boltzmann equation for the Couette flow with uniform heat flux. <i>European Physical Journal: Special Topics</i> , 2009 , 179, 141-156	2.3	7
92	Impurity in a sheared inelastic Maxwell gas. <i>Physical Review E</i> , 2012 , 85, 011302	2.4	7
91	Non-equilibrium phase transition in a binary mixture. <i>Europhysics Letters</i> , 1996 , 33, 599-604	1.6	7
90	Mass transport of an impurity in a strongly sheared granular gas. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007 , 2007, P02012-P02012	1.9	7
89	Simple and accurate theory for strong shock waves in a dense hard-sphere fluid. <i>Physical Review E</i> , 1999 , 60, 7592-5	2.4	7
88	Influence of gravity on nonlinear transport in the planar Couette flow. <i>Physics of Fluids</i> , 1999 , 11, 893-904	4.4	7
87	Uniform shear flow in a binary mixture with general repulsive interactions. <i>Physics of Fluids</i> , 1996 , 8, 2756-2765	4.4	7
86	Transport equations from the Liu model. <i>Physics of Fluids A, Fluid Dynamics</i> , 1991 , 3, 1980-1982		7
85	Divergence of the nonlinear thermal conductivity in the homogeneous heat flow. <i>Chemical Physics Letters</i> , 1991 , 177, 79-83	2.5	7
84	Enskog kinetic theory for a model of a confined quasi-two-dimensional granular fluid. <i>Physical Review E</i> , 2018 , 98,	2.4	7
83	Segregation by thermal diffusion in granular shear flows. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010 , 2010, P07024	1.9	6
82	Strong shock waves in a dense gas: Burnett theory versus Monte Carlo simulation. <i>Physical Review E</i> , 1998 , 58, 7319-7324	2.4	6

81	Thermal conductivity of a dilute gas in a thermostated shear-flow state. <i>Physical Review E</i> , 1993 , 48, 3589-3593	2.4	5
80	Self-diffusion in a dilute gas under heat and momentum transport. <i>Physical Review A</i> , 1992 , 46, 3276-3287	2.4	6
79	Impact of roughness on the instability of a free-cooling granular gas. <i>Physical Review E</i> , 2018 , 97, 052901	2.4	6
78	Thermal properties of an impurity immersed in a granular gas of rough hard spheres. <i>EPJ Web of Conferences</i> , 2017 , 140, 04003	0.3	5
77	Heat flux of driven granular mixtures at low density: Stability analysis of the homogeneous steady state. <i>Physical Review E</i> , 2018 , 97, 022902	2.4	5
76	Hydrodynamic granular segregation induced by boundary heating and shear. <i>Physical Review E</i> , 2014 , 89, 052206	2.4	5
75	Computer simulations of an impurity in a granular gas under planar Couette flow. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011 , 2011, P07005	1.9	5
74	Mutual diffusion in a binary mixture under shear flow. <i>Physical Review E</i> , 1998 , 57, 507-513	2.4	5
73	Shock waves in a dense gas. <i>Physical Review E</i> , 1995 , 52, 5688-5691	2.4	5
72	On the Validity of a Variational Principle for Far-from-Equilibrium Steady States. <i>Europhysics Letters</i> , 1995 , 29, 693-698	1.6	5
71	On the derivation of the Burnett hydrodynamic equations from the Hilbert expansion. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1988 , 149, 551-560	3.3	5
70	Mpemba-like effect in driven binary mixtures. <i>Physics of Fluids</i> , 2021 , 33, 053301	4.4	5
69	Influence of the first-order contributions to the partial temperatures on transport properties in polydisperse dense granular mixtures. <i>Physical Review E</i> , 2019 , 100, 032904	2.4	5
68	Enskog kinetic theory of rheology for a moderately dense inertial suspension. <i>Physical Review E</i> , 2020 , 102, 022907	2.4	4
67	Intruders in disguise: Mimicry effect in granular gases. <i>Physics of Fluids</i> , 2019 , 31, 063306	4.4	4
66	Navier-Stokes transport coefficients for driven inelastic Maxwell models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014 , 2014, P06008	1.9	4
65	Influence of a drag force on linear transport in low-density gases. Stability analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 410, 428-438	3.3	4
64	Generalized transport coefficients for inelastic Maxwell mixtures under shear flow. <i>Physical Review E</i> , 2015 , 92, 052202	2.4	4

63	Stability of freely cooling granular mixtures at moderate densities. <i>Chaos, Solitons and Fractals</i> , 2015 , 81, 497-509	9.3	4
62	Dissipative homogeneous Maxwell mixtures: ordering transition in the tracer limit. <i>Granular Matter</i> , 2012 , 14, 99-104	2.6	4
61	Distribution function for large velocities of a two-dimensional gas under shear flow. <i>Journal of Statistical Physics</i> , 1997 , 88, 1165-1181	1.5	4
60	Impurity in a granular gas under nonlinear Couette flow. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008 , 2008, P09003	1.9	4
59	Nonlinear transport in a binary mixture in the presence of gravitation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001 , 297, 97-114	3.3	4
58	Diffusion in a gaseous dilute solution under heat and momentum transport. <i>Physical Review E</i> , 1995 , 52, 4942-4951	2.4	4
57	Effect of mass-ratio dependence of the force law for tracer diffusion in shear flow. <i>Physics of Fluids A, Fluid Dynamics</i> , 1993 , 5, 1059-1061		4
56	Heat flux induced by an external force in a strongly shearing dilute gas. <i>Journal of Chemical Physics</i> , 1994 , 101, 1423-1430	3.9	4
55	Non-Newtonian rheology in inertial suspensions of inelastic rough hard spheres under simple shear flow. <i>Physics of Fluids</i> , 2020 , 32, 073315	4.4	4
54	Anomalous transport of impurities in inelastic Maxwell gases. <i>European Physical Journal E</i> , 2015 , 38, 16	1.5	3
53	Shear-rate-dependent transport coefficients in granular suspensions. <i>Physical Review E</i> , 2017 , 95, 062906	4.4	3
52	Collisional rates for the inelastic Maxwell model: application to the divergence of anisotropic high-order velocity moments in the homogeneous cooling state. <i>Granular Matter</i> , 2012 , 14, 105-110	2.6	3
51	Homogeneous states in granular fluids driven by thermostats 2012 ,		3
50	Kinetic model for transport around uniform shear flow. <i>Molecular Physics</i> , 1993 , 78, 1129-1141	1.7	3
49	Does the Gaussian thermostat maximize the phase-space compression factor?. <i>Journal of Statistical Physics</i> , 1995 , 81, 989-1005	1.5	3
48	Nonlinear mass and momentum transport in a dilute gas. <i>Journal of Chemical Physics</i> , 1992 , 97, 2039-2045	3.9	3
47	Generalized transport coefficients in a gas with large shear rate. <i>Molecular Physics</i> , 1987 , 61, 421-432	1.7	3
46	The hilbert expansion of the BGK equation. <i>Chemical Physics Letters</i> , 1987 , 135, 143-146	2.5	3

45	Energy nonequipartition in a collisional model of a confined quasi-two-dimensional granular mixture. <i>Physical Review E</i> , 2020 , 102, 052904	2.4	3
44	Simple shear flow in granular suspensions: inelastic Maxwell models and BGK-type kinetic model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 013206	1.9	2
43	Transport coefficients for granular suspensions at moderate densities. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 093204	1.9	2
42	Grad's moment method for a low-density granular gas. Navier-Stokes transport coefficients 2012 ,		2
41	Exact solution of the Gross-Krook kinetic model for a multicomponent gas in steady Couette flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 312, 315-341	3.3	2
40	Heat and momentum transport in a multicomponent mixture far from equilibrium. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001 , 289, 37-56	3.3	2
39	Analysis on the stability of the uniform shear flow from a Monte Carlo simulation of the Boltzmann equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995 , 203, 73-76	2.3	2
38	Heat transport in a dilute gas under uniform shear flow. <i>Physical Review E</i> , 1995 , 51, 3156-3163	2.4	2
37	Tracer diffusion under heat and momentum transport for general repulsive potentials. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996 , 234, 108-128	3.3	2
36	Color conductivity induced by a shear-rate dependent color field. <i>Journal of Chemical Physics</i> , 1993 , 98, 6569-6570	3.9	2
35	Coupling between shear flow and temperature gradient for the very hard particles interaction. <i>Chemical Physics Letters</i> , 1986 , 132, 526-530	2.5	2
34	Perturbative solution of the BGK equation for very hard particle interaction. <i>Molecular Physics</i> , 1988 , 63, 517-521	1.7	2
33	Navier-Stokes transport coefficients for a model of a confined quasi-two-dimensional granular binary mixture. <i>Physics of Fluids</i> , 2021 , 33, 023310	4.4	2
32	Instabilities in granular gas-solid flows. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017 , 50, 155502		1
31	Inelastic Maxwell models for monodisperse gas-solid flows. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015 , 2015, P03015	1.9	1
30	Tracer diffusion coefficients in a sheared inelastic Maxwell gas. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016 , 2016, 073206	1.9	1
29	Thermal diffusion segregation of an impurity in a driven granular fluid 2014 ,		1
28	Tracer limit in a gas mixture under shear flow with repulsive interactions. <i>Physical Review E</i> , 1997 , 56, 2291-2294	2.4	1

27	Kinetic model for uniform shear flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997 , 243, 113-128	1.3	1
26	Kinetic Theory for Binary Granular Mixtures at Low Density. <i>Lecture Notes in Physics</i> , 2008 , 493-540	0.8	1
25	Rheological Properties of a Granular Impurity in the Couette Flow. <i>AIP Conference Proceedings</i> , 2008 ,	0	1
24	A note on the violation of the Einstein relation in a driven moderately dense granular gas. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008 , 2008, P05007	1.9	1
23	Shear-rate dependent transport coefficients in a binary mixture of Maxwell molecules. <i>Physics of Fluids</i> , 2000 , 12, 717-726	4.4	1
22	Electrical conductivity in a dilute gas far from equilibrium. <i>Physical Review E</i> , 1998 , 57, 4186-4197	2.4	1
21	Thermal transport generated by an external force in a sheared dilute gas. <i>Journal of Chemical Physics</i> , 1995 , 103, 4626-4631	3.9	1
20	Transport properties in disparate-mass binary gases. <i>Chemical Physics Letters</i> , 1987 , 141, 255-260	2.5	1
19	First-Order Contributions to the Partial Temperatures in Dilute Binary Granular Suspensions. <i>Springer Proceedings in Physics</i> , 2020 , 341-347	0.2	1
18	Non-monotonic Mpemba effect in binary molecular suspensions. <i>EPJ Web of Conferences</i> , 2021 , 249, 09005	0.3	1
17	Comment on Kinetic theory models for granular mixtures with unequal granular temperature: Hydrodynamic velocity [Phys. Fluids 33, 043321 (2021)]. <i>Physics of Fluids</i> , 2021 , 33, 089101	4.4	1
16	Unified hydrodynamic description for driven and undriven inelastic Maxwell mixtures at low density. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020 , 53, 355002	2	0
15	Time-dependent homogeneous states of binary granular suspensions. <i>Physics of Fluids</i> , 2021 , 33, 093315	4.4	0
14	Kinetic Theory of Inelastic Hard Spheres. <i>Soft and Biological Matter</i> , 2019 , 1-55	0.8	
13	Navier-Stokes Transport Coefficients for Monocomponent Granular Gases. II. Simulations and Applications. <i>Soft and Biological Matter</i> , 2019 , 141-175	0.8	
12	On the validity of a variational principle for multicomponent systems. <i>Journal of Chemical Physics</i> , 1997 , 107, 2573-2579	3.9	
11	Mass flux of a binary mixture of Maxwell molecules under shear flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008 , 387, 3423-3431	3.3	
10	Electrical current density in a sheared dilute gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999 , 265, 508-519	3.3	

9	Navier-Stokes Transport Coefficients for Monocomponent Granular Gases. I. Theoretical Results. <i>Soft and Biological Matter</i> , 2019 , 101-139	0.8
8	Non-Newtonian Steady States for Granular Gases. <i>Soft and Biological Matter</i> , 2019 , 249-290	0.8
7	Navier-Stokes Transport Coefficients for Multicomponent Granular Gases. I. Theoretical Results. <i>Soft and Biological Matter</i> , 2019 , 177-216	0.8
6	Navier-Stokes Transport Coefficients for Multicomponent Granular Gases. II. Simulations and Applications. <i>Soft and Biological Matter</i> , 2019 , 217-248	0.8
5	Transport Around Steady Simple Shear Flow in Dilute Granular Gases. <i>Soft and Biological Matter</i> , 2019 , 291-321	0.8
4	Transport Properties for Driven Granular Gases. <i>Soft and Biological Matter</i> , 2019 , 361-387	0.8
3	Homogeneous Cooling State. <i>Soft and Biological Matter</i> , 2019 , 57-99	0.8
2	Inelastic Maxwell Models for Dilute Granular Gases. <i>Soft and Biological Matter</i> , 2019 , 323-360	0.8
1	Stability of the homogeneous steady state for a model of a confined quasi-two-dimensional granular fluid. <i>EPJ Web of Conferences</i> , 2021 , 249, 04005	0.3