Vicente Garzo

List of Publications by Year
in descending order

194 papers	3,979 citations	147726 31 h-index	161767 54 g-index
203 all docs	203 docs citations	203 times ranked	709 citing authors

#	Article	IF	Citations
1	Dense fluid transport for inelastic hard spheres. Physical Review E, 1999, 59, 5895-5911.	0.8	400
2	Homogeneous cooling state for a granular mixture. Physical Review E, 1999, 60, 5706-5713.	0.8	172
3	Kinetic Theory of Gases in Shear Flows. , 2003, , .		144
4	Enskog theory for polydisperse granular mixtures. I. Navier-Stokes order transport. Physical Review E, 2007, 76, 031303.	0.8	121
5	Hydrodynamics for a granular binary mixture at low density. Physics of Fluids, 2002, 14, 1476-1490.	1.6	117
6	A kinetic model for a multicomponent gas. Physics of Fluids A, Fluid Dynamics, 1989, 1, 380-383.	1.6	111
7	Kinetic temperatures for a granular mixture. Physical Review E, 2002, 66, 041301.	0.8	109
8	Enskog kinetic theory for monodisperse gasâ€“solid flows. Journal of Fluid Mechanics, 2012, 712, 129-168.	1.4	101
9	Enskog theory for polydisperse granular mixtures. II. Sonine polynomial approximation. Physical Review E, 2007, 76, 031304.	0.8	91
10	Inherent rheology of a granular fluid in uniform shear flow. Physical Review E, 2004, 69, 061303.	0.8	86
11	Kinetic theory of simple granular shear flows of smooth hard spheres. Journal of Fluid Mechanics, 1999, 389, 391-411.	1.4	83
12	Transport coefficients of a heated granular gas. Physica A: Statistical Mechanics and Its Applications, 2002, 313, 336-356.	1.2	83
13	Monte Carlo simulation of the homogeneous cooling state for a granular mixture. Granular Matter, 2002, 4, 17-24.	1.1	78
14	Modified Sonine approximation for the Navierâ€“Stokes transport coefficients of a granular gas. Physica A: Statistical Mechanics and Its Applications, 2007, 376, 94-107.	1.2	57
15	Segregation in granular binary mixtures: Thermal diffusion. Europhysics Letters, 2006, 75, 521-527.	0.7	50
16	Instabilities in a free granular fluid described by the Enskog equation. Physical Review E, 2005, 72, 021106.	0.8	47
17	Diffusion of impurities in a granular gas. Physical Review E, 2004, 69, 021301.	0.8	44
18	Tracer diffusion in granular shear flows. Physical Review E, 2002, 66, 021308.	0.8	43

#	Article	IF	Citations
19	Mobility and Diffusion in Granular Fluids. Journal of Statistical Physics, 2001, 105, 723-744.	0.5	42
20	Transport coefficients for an inelastic gas around uniform shear flow: Linear stability analysis. Physical Review E, 2006, 73, 021304.	0.8	42
21	Brazil-nut effect versus reverse Brazil-nut effect in a moderately dense granular fluid. Physical Review E, 2008, 78, 020301.	0.8	42
22	Kinetic model for steady heat flow. Physical Review A, 1986, 34, 5047-5050.	1.0	39
23	Shear viscosity for a heated granular binary mixture at low density. Physical Review E, 2003, 67, 021308.	0.8	38
24	Mass and heat fluxes for a binary granular mixture at low density. Physics of Fluids, 2006, 18, 083305.	1.6	37
25	Shear viscosity for a moderately dense granular binary mixture. Physical Review E, 2003, 68, 041302.	0.8	35
26	Transport properties for driven granular fluids in situations close to homogeneous steady states. Physical Review E, 2013, 87, .	0.8	35
27	Rheological properties in a low-density granular mixture. Physica A: Statistical Mechanics and Its Applications, 2002, 310, 17-38.	1.2	34
28	Assessing a hydrodynamic description for instabilities in highly dissipative, freely cooling granular gases. Physical Review E, 2012, 85, 041303.	0.8	34
29	Exact moment solution of the Boltzmann equation for uniform shear flow. Physica A: Statistical Mechanics and Its Applications, 1995, 213, 409-425.	1.2	33
30	Monte Carlo simulation of the Boltzmann equation for steady Fourier flow. Physical Review E, 1994, 49, 367-375.	0.8	32
31	Navierâ€"Stokes Transport Coefficients of d-Dimensional Granular Binary Mixtures at Low Density. Journal of Statistical Physics, 2007, 129, 27-58.	0.5	31
32	Nonlinear Couette Flow in a Low Density Granular Gas. Journal of Statistical Physics, 2001, 103, 1035-1068.	0.5	30
33	Influence of nonconservative external forces on self-diffusion in dilute gases. Physica A: Statistical Mechanics and Its Applications, 1990, 163, 651-671.	1.2	29
34	On the Einstein relation in a heated granular gas. Physica A: Statistical Mechanics and Its Applications, 2004, 343, 105-126.	1.2	28
35	Rheology of Two- and Three-dimensional Granular Mixtures Under Uniform Shear Flow: Enskog Kinetic Theory Versus Molecular Dynamics Simulations. Granular Matter, 2006, 8, 103-115.	1.1	28
36	Segregation by thermal diffusion in moderately dense granular mixtures. European Physical Journal E, 2009, 29, 261-274.	0.7	28

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37	Thermal diffusion segregation in granular binary mixtures described by the Enskog equation. New Journal of Physics, 2011, 13, 055020.	1.2	28
38	Transport coefficients of a granular gas of inelastic rough hard spheres. Physical Review E, 2014, 90, 022205.	0.8	28
39	Energy Production Rates in Fluid Mixtures of Inelastic Rough Hard Spheres. Progress of Theoretical Physics Supplement, 2010, 184, 31-48.	0.2	26
40	Grad's moment method for a granular fluid at moderate densities: Navier-Stokes transport coefficients. Physics of Fluids, 2013, 25, 043301.	1.6	26
41	Transport Coefficients for Inelastic Maxwell Mixtures. Journal of Statistical Physics, 2005, 118, 935-971.	0.5	25
42	Mass transport of impurities in a moderately dense granular gas. Physical Review E, 2009, 79, 041303.	0.8	25
43	Enskog theory for polydisperse granular mixtures. III. Comparison of dense and dilute transport coefficients and equations of state for a binary mixture. Powder Technology, 2012, 220, 24-36.	2.1	25
44	Transport coefficients for driven granular mixtures at low density. Physical Review E, 2013, 88, 052201.	0.8	25
45	Nonlinear Transport in Inelastic Maxwell Mixtures Under Simple Shear Flow. Journal of Statistical Physics, 2003, 112, 657-683.	0.5	24
46	Non-Newtonian Granular Hydrodynamics. What Do the Inelastic Simple Shear Flow and the Elastic Fourier Flow Have in Common?. Physical Review Letters, 2010, 104, 028001.	2.9	24
47	Comparison between the Boltzmann and BGK equations for uniform shear flow. Physica A: Statistical Mechanics and Its Applications, 1995, 213, 426-434.	1.2	23
48	Homogeneous steady states in a granular fluid driven by a stochastic bath with friction. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P07013.	0.9	23
49	Kinetic theory of shear thickening for a moderately dense gas-solid suspension: From discontinuous thickening to continuous thickening. Physical Review E, 2017, 96, 042903.	0.8	23
50	Singular behavior of shear flow far from equilibrium. Physical Review Letters, 1993, 71, 3971-3974.	2.9	22
51	Modified Sonine approximation for granular binary mixtures. Journal of Fluid Mechanics, 2009, 623, 387-411.	1.4	22
52	Instabilities in granular binary mixtures at moderate densities. Physical Review E, 2014, 89, 020201.	0.8	22
53	Non-Newtonian hydrodynamics for a dilute granular suspension under uniform shear flow. Physical Review E, 2015, 92, 052205.	0.8	21
54	Enskog kinetic theory for multicomponent granular suspensions. Physical Review E, 2020, 101, 012904.	0.8	19

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55	Nonlinear transport for a dilute gas in steady Couette flow. Physics of Fluids, 1997, 9, 776-787.	1.6	18
56	Energy Nonequipartition in a Sheared Granular Mixture. Molecular Simulation, 2003, 29, 357-362.	0.9	18
57	Third and fourth degree collisional moments for inelastic Maxwell models. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 14927-14943.	0.7	18
58	Simple shear flow in inelastic Maxwell models. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P08021-P08021.	0.9	18
59	First-order Chapmanâ€"Enskog velocity distribution function in a granular gas. Physica A: Statistical Mechanics and Its Applications, 2007, 376, 75-93.	1.2	18
60	Kinetic models for diffusion in shear flow. Physics of Fluids A, Fluid Dynamics, 1992, 4, 1057-1069.	1.6	17
61	Monte Carlo simulation of nonlinear Couette flow in a dilute gas. Physics of Fluids, 2000, 12, 3060.	1.6	17
62	Shear-rate-dependent transport coefficients for inelastic Maxwell models. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 10729-10757.	0.7	17
63	Hydrodynamic Burnett equations for inelastic Maxwell models of granular gases. Physical Review E, 2014, 89, 052201.	0.8	17
64	Homogeneous states in driven granular mixtures: Enskog kinetic theory versus molecular dynamics simulations. Journal of Chemical Physics, 2014, 140, 164901.	1.2	17
65	DSMC evaluation of the Navier-Stokes shear viscosity of a granular fluid. AIP Conference Proceedings, 2005, , .	0.3	16
66	Mpemba-like effect in driven binary mixtures. Physics of Fluids, 2021, 33, 053301.	1.6	16
67	Tracer diffusion in shear flow. Physical Review A, 1991, 44, 1397-1400.	1.0	15
68	Hydrodynamics of Inelastic Maxwell Models. Mathematical Modelling of Natural Phenomena, 2011, 6, 37-76.	0.9	15
69	Segregation of an intruder in a heated granular dense gas. Physical Review E, 2012, 85, 021308.	0.8	15
70	Transport properties in a binary mixture under shear flow. Physical Review E, 1995, 52, 3812-3820.	0.8	14
71	Monte Carlo simulation of the Boltzmann equation for uniform shear flow. Physics of Fluids, 1996, 8, 1981-1983.	1.6	14
72	Nonlinear Couette flow in a dilute gas:â€,Comparison between theory and molecular-dynamics simulation. Physical Review E, 1998, 58, 1836-1842.	0.8	13

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73	Granular mixtures modeled as elastic hard spheres subject to a drag force. Physical Review E, 2007, 75, 061306.	0.8	13
74	Class of dilute granular Couette flows with uniform heat flux. Physical Review E, 2011, 83, 021302.	0.8	13
75	Comparison between the homogeneous-shear and the sliding-boundary methods to produce shear flow. Physical Review A, 1992, 46, 8018-8020.	1.0	12
76	On the Burnett equations for a dense monatomic hard-sphere gas. Physica A: Statistical Mechanics and Its Applications, 1993, 197, 98-112.	1.2	12
77	Kinetic model for heat and momentum transport. Physics of Fluids, 1994, 6, 3787-3794.	1.6	12
78	Tracer diffusion under shear flow for general repulsive interactions. Physics of Fluids, 1995, 7, 478-486.	1.6	12
79	Nonlinear heat transport in a dilute gas in the presence of gravitation. Physical Review E, 1997, 56, 6729-6734.	0.8	12
80	Rheological properties for inelastic Maxwell mixtures under shear flow. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 932-940.	1.0	12
81	Non-equilibrium phase transition in a sheared granular mixture. Europhysics Letters, 2011, 94, 50009.	0.7	12
82	Transport coefficients of solid particles immersed in a viscous gas. Physical Review E, 2016, 93, 012905.	0.8	12
83	Heat and momentum transport in a gaseous dilute solution. Physical Review E, 1993, 48, 256-262.	0.8	11
84	Singular Behavior of Shear Flow Far from Equilibrium. Physical Review Letters, 1994, 72, 1392-1392.	2.9	11
85	Nonlinear transport in a dilute binary mixture of mechanically different particles. Journal of Statistical Physics, 1994, 75, 797-816.	0.5	11
86	Singular behavior of the velocity moments of a dilute gas under uniform shear flow. Physical Review E, 1996, 53, 1269-1272.	0.8	11
87	Steady base states for non-Newtonian granular hydrodynamics. Journal of Fluid Mechanics, 2013, 719, 431-464.	1.4	11
88	Energy nonequipartition in gas mixtures of inelastic rough hard spheres: The tracer limit. Physical Review E, 2017, 96, 052901.	0.8	11
89	Enskog kinetic theory for a model of a confined quasi-two-dimensional granular fluid. Physical Review E, 2018, 98, .	0.8	11
90	Effect of energy nonequipartition on the transport properties in a granular mixture. Granular Matter, 2003, 5, 165-168.	1.1	10

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91	Transport coefficients of driven granular fluids at moderate volume fraction. Physical Review E, 2011, 84, 012301.	0.8	10
92	A numerical study of the Navierâ€“Stokes transport coefficients for two-dimensional granular hydrodynamics. New Journal of Physics, 2013, 15, 043044.	1.2	10
93	Impact of roughness on the instability of a free-cooling granular gas. Physical Review E, 2018, 97, 052901.	0.8	10
94	Transport coefficients for granular suspensions at moderate densities. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 093204.	0.9	10
95	Enskog kinetic theory of rheology for a moderately dense inertial suspension. Physical Review E, 2020, 102, 022907.	0.8	10
96	Analysis of the Evans and Baranyai variational principle in dilute gases. Physical Review Letters, 1993, 70, 2730-2733.	2.9	9
97	Kinetic models for diffusion generated by an external force. Physica A: Statistical Mechanics and Its Applications, 1996, 225, 235-253.	1.2	9
98	Diffusion transport coefficients for granular binary mixtures at low density: Thermal diffusion segregation. Physics of Fluids, 2013, 25, .	1.6	9
99	Heat flux of driven granular mixtures at low density: Stability analysis of the homogeneous steady state. Physical Review E, 2018, 97, 022902.	0.8	9
100	Non-Newtonian rheology in inertial suspensions of inelastic rough hard spheres under simple shear flow. Physics of Fluids, 2020, 32, 073315.	1.6	9
101	Time-dependent homogeneous states of binary granular suspensions. Physics of Fluids, 2021, 33, .	1.6	9
102	Exact solution of the Boltzmann equation in the homogeneous color conductivity problem. Journal of Statistical Physics, 1991, 65, 747-760.	0.5	8
103	Uniform shear flow in a binary mixture with general repulsive interactions. Physics of Fluids, 1996, 8, 2756-2765.	1.6	8
104	Strong shock waves in a dense gas: Burnett theory versus Monte Carlo simulation. Physical Review E, 1998, 58, 7319-7324.	0.8	8
105	Simple and accurate theory for strong shock waves in a dense hard-sphere fluid. Physical Review E, 1999, 60, 7592-7595.	0.8	8
106	Mass transport of an impurity in a strongly sheared granular gas. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P02012-P02012.	0.9	8
107	Impurity in a sheared inelastic Maxwell gas. Physical Review E, 2012, 85, 011302.	0.8	8
108	Stability of freely cooling granular mixtures at moderate densities. Chaos, Solitons and Fractals, 2015, 81, 497-509.	2.5	8

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109	Transport equations from the Liu model. Physics of Fluids A, Fluid Dynamics, 1991, 3, 1980-1982.	1.6	7
110	Divergence of the nonlinear thermal conductivity in the homogeneous heat flow. Chemical Physics Letters, 1991, 177, 79-83.	1.2	7
111	Shock waves in a dense gas. Physical Review E, 1995, 52, 5688-5691.	0.8	7
112	Non-equilibrium phase transition in a binary mixture. Europhysics Letters, 1996, 33, 599-604.	0.7	7
113	Influence of gravity on nonlinear transport in the planar Couette flow. Physics of Fluids, 1999, 11, 893-904.	1.6	7
114	An exact solution of the inelastic Boltzmann equation for the Couette flow with uniform heat flux. European Physical Journal: Special Topics, 2009, 179, 141-156.	1.2	7
115	Segregation by thermal diffusion in granular shear flows. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P07024.	0.9	7
116	Intruders in disguise: Mimicry effect in granular gases. Physics of Fluids, 2019, 31, 063306.	1.6	7
117	Comment on â€œKinetic theory models for granular mixtures with unequal granular temperature: Hydrodynamic velocityâ€• [Phys. Fluids 33, 043321 (2021)]. Physics of Fluids, 2021, 33, .	1.6	7
118	Self-diffusion in a dilute gas under heat and momentum transport. Physical Review A, 1992, 46, 3276-3287.	1.0	6
119	Thermal conductivity of a dilute gas in a thermostated shear-flow state. Physical Review E, 1993, 48, 3589-3593.	0.8	6
120	On the Validity of a Variational Principle for Far-from-Equilibrium Steady States. Europhysics Letters, 1995, 29, 693-698.	0.7	6
121	Distribution function for large velocities of a two-dimensional gas under shear flow. Journal of Statistical Physics, 1997, 88, 1165-1181.	0.5	6
122	Hydrodynamic granular segregation induced by boundary heating and shear. Physical Review E, 2014, 89, 052206.	0.8	6
123	Thermal properties of an impurity immersed in a granular gas of rough hard spheres. EPJ Web of Conferences, 2017, 140, 04003.	0.1	6
124	Influence of the first-order contributions to the partial temperatures on transport properties in polydisperse dense granular mixtures. Physical Review E, 2019, 100, 032904.	0.8	6
125	Energy nonequipartition in a collisional model of a confined quasi-two-dimensional granular mixture. Physical Review E, 2020, 102, 052904.	0.8	6
126	Kinetic theory of granular particles immersed in a molecular gas. Journal of Fluid Mechanics, 2022, 943, .	1.4	6

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127	On the derivation of the Burnett hydrodynamic equations from the Hilbert expansion. Physica A: Statistical Mechanics and Its Applications, 1988, 149, 551-560.	1.2	5
128	Heat flux induced by an external force in a strongly shearing dilute gas. Journal of Chemical Physics, 1994, 101, 1423-1430.	1.2	5
129	Mutual diffusion in a binary mixture under shear flow. Physical Review E, 1998, 57, 507-513.	0.8	5
130	Impurity in a granular gas under nonlinear Couette flow. Journal of Statistical Mechanics: Theory and Experiment, 2008, 2008, P09003.	0.9	5
131	Computer simulations of an impurity in a granular gas under planar Couette flow. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P07005.	0.9	5
132	Collisional rates for the inelastic Maxwell model: application to the divergence of anisotropic high-order velocity moments in the homogeneous cooling state. Granular Matter, 2012, 14, 105-110.	1.1	5
133	Generalized transport coefficients for inelastic Maxwell mixtures under shear flow. Physical Review E, 2015, 92, 052202.	0.8	5
134	Navierâ€“Stokes transport coefficients for a model of a confined quasi-two-dimensional granular binary mixture. Physics of Fluids, 2021, 33, .	1.6	5
135	Kinetic Theory of Polydisperse Granular Mixtures: Influence of the Partial Temperatures on Transport Propertiesâ€”A Review. Entropy, 2022, 24, 826.	1.1	5
136	Effect of massâ€ratio dependence of the force law for tracer diffusion in shear flow. Physics of Fluids A, Fluid Dynamics, 1993, 5, 1059-1061.	1.6	4
137	Diffusion in a gaseous dilute solution under heat and momentum transport. Physical Review E, 1995, 52, 4942-4951.	0.8	4
138	Nonlinear transport in a binary mixture in the presence of gravitation. Physica A: Statistical Mechanics and Its Applications, 2001, 297, 97-114.	1.2	4
139	Homogeneous states in granular fluids driven by thermostats. , 2012, , .		4
140	Dissipative homogeneous Maxwell mixtures: ordering transition in the tracer limit. Granular Matter, 2012, 14, 99-104.	1.1	4
141	Navierâ€“Stokes transport coefficients for driven inelastic Maxwell models. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P06008.	0.9	4
142	Influence of a drag force on linear transport in low-density gases. Stability analysis. Physica A: Statistical Mechanics and Its Applications, 2014, 410, 428-438.	1.2	4
143	Simple shear flow in granular suspensions: inelastic Maxwell models and BGK-type kinetic model. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 013206.	0.9	4
144	Generalized transport coefficients in a gas with large shear rate. Molecular Physics, 1987, 61, 421-432.	0.8	3

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145	The hilbert expansion of the BGK equation. Chemical Physics Letters, 1987, 135, 143-146.	1.2	3
146	Nonlinear mass and momentum transport in a dilute gas. Journal of Chemical Physics, 1992, 97, 2039-2045.	1.2	3
147	Kinetic model for transport around uniform shear flow. Molecular Physics, 1993, 78, 1129-1141.	0.8	3
148	Does the Gaussian thermostat maximize the phase-space compression factor?. Journal of Statistical Physics, 1995, 81, 989-1005.	0.5	3
149	Exact solution of the Grossâ€"Krook kinetic model for a multicomponent gas in steady Couette flow. Physica A: Statistical Mechanics and Its Applications, 2002, 312, 315-341.	1.2	3
150	Anomalous transport of impurities in inelastic Maxwell gases. European Physical Journal E, 2015, 38, 16.	0.7	3
151	Shear-rate-dependent transport coefficients in granular suspensions. Physical Review E, 2017, 95, 062906.	0.8	3
152	Non-monotonic Mpemba effect in binary molecular suspensions. EPJ Web of Conferences, 2021, 249, 09005.	0.1	3
153	Unified hydrodynamic description for driven and undriven inelastic Maxwell mixtures at low density. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 355002.	0.7	3
154	Coupling between shear flow and temperature gradient for the very hard particles interaction. Chemical Physics Letters, 1986, 132, 526-530.	1.2	2
155	Perturbative solution of the BGK equation for very hard particle interaction. Molecular Physics, 1988, 63, 517-521.	0.8	2
156	Color conductivity induced by a shearâ€rate dependent color field. Journal of Chemical Physics, 1993, 98, 6569-6570.	1.2	2
157	Analysis on the stability of the uniform shear flow from a Monte Carlo simulation of the Boltzmann equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 203, 73-76.	0.9	2
158	Heat transport in a dilute gas under uniform shear flow. Physical Review E, 1995, 51, 3156-3163.	0.8	2
159	Tracer diffusion under heat and momentum transport for general repulsive potentials. Physica A: Statistical Mechanics and Its Applications, 1996, 234, 108-128.	1.2	2
160	Heat and momentum transport in a multicomponent mixture far from equilibrium. Physica A: Statistical Mechanics and Its Applications, 2001, 289, 37-56.	1.2	2
161	A note on the violation of the Einstein relation in a driven moderately dense granular gas. Journal of Statistical Mechanics: Theory and Experiment, 2008, 2008, P05007.	0.9	2
162	Grad's moment method for a low-density granular gas. Navier-Stokes transport coefficients. , 2012, , .		2

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163	Transport properties in disparate-mass binary gases. Chemical Physics Letters, 1987, 141, 255-260.	1.2	1
164	Thermal transport generated by an external force in a sheared dilute gas. Journal of Chemical Physics, 1995, 103, 4626-4631.	1.2	1
165	Tracer limit in a gas mixture under shear flow with repulsive interactions. Physical Review E, 1997, 56, 2291-2294.	0.8	1
166	Kinetic model for uniform shear flow. Physica A: Statistical Mechanics and Its Applications, 1997, 243, 113-128.	1.2	1
167	Electrical conductivity in a dilute gas far from equilibrium. Physical Review E, 1998, 57, 4186-4197.	0.8	1
168	Shear-rate dependent transport coefficients in a binary mixture of Maxwell molecules. Physics of Fluids, 2000, 12, 717-726.	1.6	1
169	Kinetic Theory for Binary Granular Mixtures at Low Density. Lecture Notes in Physics, 2008, , 493-540.	0.3	1
170	Rheological Properties of a Granular Impurity in the Couette Flow. AIP Conference Proceedings, 2008, , .	0.3	1
171	Thermal diffusion segregation of an impurity in a driven granular fluid. , 2014, , .		1
172	Inelastic Maxwell models for monodisperse gasâ€"solid flows. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P03015.	0.9	1
173	Tracer diffusion coefficients in a sheared inelastic Maxwell gas. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 073206.	0.9	1
174	Instabilities in granular gasâ€"solid flows. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 155502.	0.7	1
175	Stability of the homogeneous steady state for a model of a confined quasi-two-dimensional granular fluid. EPJ Web of Conferences, 2021, 249, 04005.	0.1	1
176	Tracer diffusion far from equilibrium. AIP Conference Proceedings, 1995, , .	0.3	0
177	On the validity of a variational principle for multicomponent systems. Journal of Chemical Physics, 1997, 107, 2573-2579.	1.2	0
178	Electrical current density in a sheared dilute gas. Physica A: Statistical Mechanics and Its Applications, 1999, 265, 508-519.	1.2	0
179	Impurities in inelastic Maxwell models. AIP Conference Proceedings, 2005, , .	0.3	0
180	Mass flux of a binary mixture of Maxwell molecules under shear flow. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 3423-3431.	1.2	0

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181	Segregation in Moderately Dense Granular Binary Mixtures. AIP Conference Proceedings, 2008, , .	0.3	0
182	Hydrodynamics at the Navier-Stokes level applied to fast, transient, supersonic granular flows. , 2012, , .		0
183	Energy non-equipartition in a system with a granular impurity under Couette-Fourier flow. , 2012, , .		0
184	Transport properties of driven inelastic Maxwell mixtures. AIP Conference Proceedings, 2019, , .	0.3	0
185	Kinetic Theory of Inelastic Hard Spheres. Soft and Biological Matter, 2019, , 1-55.	0.3	0
186	Navierâ€“Stokes Transport Coefficients for Monocomponent Granular Gases. II. Simulations and Applications. Soft and Biological Matter, 2019, , 141-175.	0.3	0
187	Navierâ€“Stokes Transport Coefficients for Monocomponent Granular Gases. I. Theoretical Results. Soft and Biological Matter, 2019, , 101-139.	0.3	0
188	Non-Newtonian Steady States for Granular Gases. Soft and Biological Matter, 2019, , 249-290.	0.3	0
189	Navierâ€“Stokes Transport Coefficients for Multicomponent Granular Gases. I. Theoretical Results. Soft and Biological Matter, 2019, , 177-216.	0.3	0
190	Navierâ€“Stokes Transport Coefficients for Multicomponent Granular Gases. II. Simulations and Applications. Soft and Biological Matter, 2019, , 217-248.	0.3	0
191	Transport Around Steady Simple Shear Flow in Dilute Granular Gases. Soft and Biological Matter, 2019, , 291-321.	0.3	0
192	Transport Properties for Driven Granular Gases. Soft and Biological Matter, 2019, , 361-387.	0.3	0
193	Homogeneous Cooling State. Soft and Biological Matter, 2019, , 57-99.	0.3	0
194	Inelastic Maxwell Models for Dilute Granular Gases. Soft and Biological Matter, 2019, , 323-360.	0.3	0