Vicente Garzo

List of Publications by Year in Descending Order

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	Mpemba-like effect in driven binary mixtures. *Physics of Fluids*, **2021**, 33, 053301	4.4	5
187	Stability of the homogeneous steady state for a model of a confined quasi-two-dimensional granular fluid. *EPJ Web of Conferences*, **2021**, 249, 04005	0.3	
186	Non-monotonic Mpemba effect in binary molecular suspensions. *EPJ Web of Conferences*, **2021**, 249, 09005	0.3	1
185	Navier-Stokes transport coefficients for a model of a confined quasi-two-dimensional granular binary mixture. *Physics of Fluids*, **2021**, 33, 023310	4.4	2
184	Comment on "Kinetic theory models for granular mixtures with unequal granular temperature: Hydrodynamic velocity" [Phys. Fluids 33, 043321 (2021)]. *Physics of Fluids*, **2021**, 33, 089101	4.4	1
183	Time-dependent homogeneous states of binary granular suspensions. *Physics of Fluids*, **2021**, 33, 093315	4.4	0
182	Enskog kinetic theory of rheology for a moderately dense inertial suspension. *Physical Review E*, **2020**, 102, 022907	2.4	4
181	Enskog kinetic theory for multicomponent granular suspensions. *Physical Review E*, **2020**, 101, 012904	2.4	11
180	First-Order Contributions to the Partial Temperatures in Dilute Binary Granular Suspensions. *Springer Proceedings in Physics*, **2020**, 341-347	0.2	1
179	Unified hydrodynamic description for driven and undriven inelastic Maxwell mixtures at low density. *Journal of Physics A: Mathematical and Theoretical*, **2020**, 53, 355002	2	0
178	Non-Newtonian rheology in inertial suspensions of inelastic rough hard spheres under simple shear flow. *Physics of Fluids*, **2020**, 32, 073315	4.4	4
177	Energy nonequipartition in a collisional model of a confined quasi-two-dimensional granular mixture. *Physical Review E*, **2020**, 102, 052904	2.4	3
176	Granular Gaseous Flows. *Soft and Biological Matter*, **2019**,	0.8	33
175	Kinetic Theory of Inelastic Hard Spheres. *Soft and Biological Matter*, **2019**, 1-55	0.8	
174	Navier-Stokes Transport Coefficients for Monocomponent Granular Gases. II. Simulations and Applications. *Soft and Biological Matter*, **2019**, 141-175	0.8	
173	Simple shear flow in granular suspensions: inelastic Maxwell models and BGK-type kinetic model. *Journal of Statistical Mechanics: Theory and Experiment*, **2019**, 2019, 013206	1.9	2
172	Intruders in disguise: Mimicry effect in granular gases. *Physics of Fluids*, **2019**, 31, 063306	4.4	4

171	Transport coefficients for granular suspensions at moderate densities. *Journal of Statistical Mechanics: Theory and Experiment*, **2019**, 2019, 093204	1.9	2
170	Navier–Stokes Transport Coefficients for Monocomponent Granular Gases. I. Theoretical Results. *Soft and Biological Matter*, **2019**, 101-139	0.8	
169	Non-Newtonian Steady States for Granular Gases. *Soft and Biological Matter*, **2019**, 249-290	0.8	
168	Navier–Stokes Transport Coefficients for Multicomponent Granular Gases. I. Theoretical Results. *Soft and Biological Matter*, **2019**, 177-216	0.8	
167	Navier–Stokes Transport Coefficients for Multicomponent Granular Gases. II. Simulations and Applications. *Soft and Biological Matter*, **2019**, 217-248	0.8	
166	Transport Around Steady Simple Shear Flow in Dilute Granular Gases. *Soft and Biological Matter*, **2019**, 291-321	0.8	
165	Transport Properties for Driven Granular Gases. *Soft and Biological Matter*, **2019**, 361-387	0.8	
164	Homogeneous Cooling State. *Soft and Biological Matter*, **2019**, 57-99	0.8	
163	Inelastic Maxwell Models for Dilute Granular Gases. *Soft and Biological Matter*, **2019**, 323-360	0.8	
162	Influence of the first-order contributions to the partial temperatures on transport properties in polydisperse dense granular mixtures. *Physical Review E*, **2019**, 100, 032904	2.4	5
161	Heat flux of driven granular mixtures at low density: Stability analysis of the homogeneous steady state. *Physical Review E*, **2018**, 97, 022902	2.4	5
160	Enskog kinetic theory for a model of a confined quasi-two-dimensional granular fluid. *Physical Review E*, **2018**, 98,	2.4	7
159	Impact of roughness on the instability of a free-cooling granular gas. *Physical Review E*, **2018**, 97, 052901	2.4	6
158	Instabilities in granular gas–solid flows. *Journal of Physics A: Mathematical and Theoretical*, **2017**, 50, 155502	2	1
157	Kinetic theory of shear thickening for a moderately dense gas-solid suspension: From discontinuous thickening to continuous thickening. *Physical Review E*, **2017**, 96, 042903	2.4	17
156	Thermal properties of an impurity immersed in a granular gas of rough hard spheres. *EPJ Web of Conferences*, **2017**, 140, 04003	0.3	5
155	Energy nonequipartition in gas mixtures of inelastic rough hard spheres: The tracer limit. *Physical Review E*, **2017**, 96, 052901	2.4	8
154	Shear-rate-dependent transport coefficients in granular suspensions. *Physical Review E*, **2017**, 95, 062906	2.4	3

153	Tracer diffusion coefficients in a sheared inelastic Maxwell gas. *Journal of Statistical Mechanics: Theory and Experiment*, **2016**, 2016, 073206	1.9	1
152	Transport coefficients of solid particles immersed in a viscous gas. *Physical Review E*, **2016**, 93, 012905	2.4	10
151	Anomalous transport of impurities in inelastic Maxwell gases. *European Physical Journal E*, **2015**, 38, 16	1.5	3
150	Inelastic Maxwell models for monodisperse gas–solid flows. *Journal of Statistical Mechanics: Theory and Experiment*, **2015**, 2015, P03015	1.9	1
149	Generalized transport coefficients for inelastic Maxwell mixtures under shear flow. *Physical Review E*, **2015**, 92, 052202	2.4	4
148	Non-Newtonian hydrodynamics for a dilute granular suspension under uniform shear flow. *Physical Review E*, **2015**, 92, 052205	2.4	15
147	Stability of freely cooling granular mixtures at moderate densities. *Chaos, Solitons and Fractals*, **2015**, 81, 497-509	9.3	4
146	Instabilities in granular binary mixtures at moderate densities. *Physical Review E*, **2014**, 89, 020201	2.4	16
145	Navier–Stokes transport coefficients for driven inelastic Maxwell models. *Journal of Statistical Mechanics: Theory and Experiment*, **2014**, 2014, P06008	1.9	4
144	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	3.3	4
143	Thermal diffusion segregation of an impurity in a driven granular fluid **2014**,		1
142	Hydrodynamic granular segregation induced by boundary heating and shear. *Physical Review E*, **2014**, 89, 052206	2.4	5
141	Transport coefficients of a granular gas of inelastic rough hard spheres. *Physical Review E*, **2014**, 90, 022205	2.4	19
140	Hydrodynamic Burnett equations for inelastic Maxwell models of granular gases. *Physical Review E*, **2014**, 89, 052201	2.4	11
139	Homogeneous states in driven granular mixtures: Enskog kinetic theory versus molecular dynamics simulations. *Journal of Chemical Physics*, **2014**, 140, 164901	3.9	9
138	Steady base states for non-Newtonian granular hydrodynamics. *Journal of Fluid Mechanics*, **2013**, 719, 431-464	3.7	9
137	A numerical study of the Navier–Stokes transport coefficients for two-dimensional granular hydrodynamics. *New Journal of Physics*, **2013**, 15, 043044	2.9	9
136	Grad's moment method for a granular fluid at moderate densities: Navier-Stokes transport coefficients. *Physics of Fluids*, **2013**, 25, 043301	4.4	18

135	Transport properties for driven granular fluids in situations close to homogeneous steady states. *Physical Review E*, **2013**, 87,	2.4	29
134	Diffusion transport coefficients for granular binary mixtures at low density: Thermal diffusion segregation. *Physics of Fluids*, **2013**, 25, 043302	4.4	8
133	Transport coefficients for driven granular mixtures at low density. *Physical Review E*, **2013**, 88, 052201	2.4	18
132	Homogeneous steady states in a granular fluid driven by a stochastic bath with friction. *Journal of Statistical Mechanics: Theory and Experiment*, **2013**, 2013, P07013	1.9	20
131	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	5.2	17
130	Enskog kinetic theory for monodisperse gas–solid flows. *Journal of Fluid Mechanics*, **2012**, 712, 129-168	3.7	80
129	Grad's moment method for a low-density granular gas. Navier-Stokes transport coefficients **2012**,		2
128	Dissipative homogeneous Maxwell mixtures: ordering transition in the tracer limit. *Granular Matter*, **2012**, 14, 99-104	2.6	4
127	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	2.6	3
126	Impurity in a sheared inelastic Maxwell gas. *Physical Review E*, **2012**, 85, 011302	2.4	7
125	Segregation of an intruder in a heated granular dense gas. *Physical Review E*, **2012**, 85, 021308	2.4	12
124	Assessing a hydrodynamic description for instabilities in highly dissipative, freely cooling granular gases. *Physical Review E*, **2012**, 85, 041303	2.4	31
123	Homogeneous states in granular fluids driven by thermostats **2012**,		3
122	Computer simulations of an impurity in a granular gas under planar Couette flow. *Journal of Statistical Mechanics: Theory and Experiment*, **2011**, 2011, P07005	1.9	5
121	Non-equilibrium phase transition in a sheared granular mixture. *Europhysics Letters*, **2011**, 94, 50009	1.6	10
120	Thermal diffusion segregation in granular binary mixtures described by the Enskog equation. *New Journal of Physics*, **2011**, 13, 055020	2.9	22
119	Class of dilute granular Couette flows with uniform heat flux. *Physical Review E*, **2011**, 83, 021302	2.4	11
118	Transport coefficients of driven granular fluids at moderate volume fraction. *Physical Review E*, **2011**, 84, 012301	2.4	9

117	Hydrodynamics of Inelastic Maxwell Models. *Mathematical Modelling of Natural Phenomena*, **2011**, 6, 37-76	3	12
116	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	7.4	21
115	Energy Production Rates in Fluid Mixtures of Inelastic Rough Hard Spheres. *Progress of Theoretical Physics Supplement*, **2010**, 184, 31-48		22
114	Segregation by thermal diffusion in granular shear flows. *Journal of Statistical Mechanics: Theory and Experiment*, **2010**, 2010, P07024	1.9	6
113	Rheological properties for inelastic Maxwell mixtures under shear flow. *Journal of Non-Newtonian Fluid Mechanics*, **2010**, 165, 932-940	2.7	11
112	Mass transport of impurities in a moderately dense granular gas. *Physical Review E*, **2009**, 79, 041303	2.4	21
111	Segregation by thermal diffusion in moderately dense granular mixtures. *European Physical Journal E*, **2009**, 29, 261-74	1.5	20
110	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	2.3	7
109	Modified Sonine approximation for granular binary mixtures. *Journal of Fluid Mechanics*, **2009**, 623, 387-411	3.1	21
108	Brazil-nut effect versus reverse Brazil-nut effect in a moderately dense granular fluid. *Physical Review E*, **2008**, 78, 020301	2.4	33
107	Kinetic Theory for Binary Granular Mixtures at Low Density. *Lecture Notes in Physics*, **2008**, 493-540	0.8	1
106	Impurity in a granular gas under nonlinear Couette flow. *Journal of Statistical Mechanics: Theory and Experiment*, **2008**, 2008, P09003	1.9	4
105	Rheological Properties of a Granular Impurity in the Couette Flow. *AIP Conference Proceedings*, **2008**,	0	1
104	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	1.9	1
103	Mass flux of a binary mixture of Maxwell molecules under shear flow. *Physica A: Statistical Mechanics and Its Applications*, **2008**, 387, 3423-3431	3.3	
102	First-order Chapman–Enskog velocity distribution function in a granular gas. *Physica A: Statistical Mechanics and Its Applications*, **2007**, 376, 75-93	3.3	16
101	Modified Sonine approximation for the Navier–Stokes transport coefficients of a granular gas. *Physica A: Statistical Mechanics and Its Applications*, **2007**, 376, 94-107	3.3	55
100	Navier–Stokes Transport Coefficients of d-Dimensional Granular Binary Mixtures at Low Density. *Journal of Statistical Physics*, **2007**, 129, 27-58	1.5	23

99	Third and fourth degree collisional moments for inelastic Maxwell models. *Journal of Physics A: Mathematical and Theoretical*, **2007**, 40, 14927-14943	2	15
98	Mass transport of an impurity in a strongly sheared granular gas. *Journal of Statistical Mechanics: Theory and Experiment*, **2007**, 2007, P02012-P02012	1.9	7
97	Shear-rate-dependent transport coefficients for inelastic Maxwell models. *Journal of Physics A: Mathematical and Theoretical*, **2007**, 40, 10729-10757	2	16
96	Granular mixtures modeled as elastic hard spheres subject to a drag force. *Physical Review E*, **2007**, 75, 061306	2.4	11
95	Simple shear flow in inelastic Maxwell models. *Journal of Statistical Mechanics: Theory and Experiment*, **2007**, 2007, P08021-P08021	1.9	16
94	Enskog theory for polydisperse granular mixtures. I. Navier-Stokes order transport. *Physical Review E*, **2007**, 76, 031303	2.4	98
93	Enskog theory for polydisperse granular mixtures. II. Sonine polynomial approximation. *Physical Review E*, **2007**, 76, 031304	2.4	76
92	Mass and heat fluxes for a binary granular mixture at low density. *Physics of Fluids*, **2006**, 18, 083305	4.4	32
91	Transport coefficients for an inelastic gas around uniform shear flow: linear stability analysis. *Physical Review E*, **2006**, 73, 021304	2.4	41
90	Segregation in granular binary mixtures: Thermal diffusion. *Europhysics Letters*, **2006**, 75, 521-527	1.6	42
89	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	2.6	24
88	Instabilities in a free granular fluid described by the Enskog equation. *Physical Review E*, **2005**, 72, 021106	2.4	38
87	Transport Coefficients for Inelastic Maxwell Mixtures. *Journal of Statistical Physics*, **2005**, 118, 935-971	1.5	24
86	DSMC evaluation of the Navier-Stokes shear viscosity of a granular fluid. *AIP Conference Proceedings*, **2005**,	0	13
85	Diffusion of impurities in a granular gas. *Physical Review E*, **2004**, 69, 021301	2.4	38
84	On the Einstein relation in a heated granular gas. *Physica A: Statistical Mechanics and Its Applications*, **2004**, 343, 105-126	3.3	25
83	Inherent rheology of a granular fluid in uniform shear flow. *Physical Review E*, **2004**, 69, 061303	2.4	78
82	Energy Nonequipartition in a Sheared Granular Mixture. *Molecular Simulation*, **2003**, 29, 357-362	2	14

81	Nonlinear Transport in Inelastic Maxwell Mixtures Under Simple Shear Flow. *Journal of Statistical Physics*, **2003**, 112, 657-683	1.5	22
80	Effect of energy nonequipartition on the transport properties in a granular mixture. *Granular Matter*, **2003**, 5, 165-168	2.6	9
79	Shear viscosity for a moderately dense granular binary mixture. *Physical Review E*, **2003**, 68, 041302	2.4	33
78	Shear viscosity for a heated granular binary mixture at low density. *Physical Review E*, **2003**, 67, 021308	2.4	36
77	Kinetic Theory of Gases in Shear Flows **2003**,		112
76	Monte Carlo simulation of the homogeneous cooling state for a granular mixture. *Granular Matter*, **2002**, 4, 17-24	2.6	67
75	Transport coefficients of a heated granular gas. *Physica A: Statistical Mechanics and Its Applications*, **2002**, 313, 336-356	3.3	78
74	Exact solution of the GrossKrook kinetic model for a multicomponent gas in steady Couette flow. *Physica A: Statistical Mechanics and Its Applications*, **2002**, 312, 315-341	3.3	2
73	Rheological properties in a low-density granular mixture. *Physica A: Statistical Mechanics and Its Applications*, **2002**, 310, 17-38	3.3	29
72	Tracer diffusion in granular shear flows. *Physical Review E*, **2002**, 66, 021308	2.4	37
71	Hydrodynamics for a granular binary mixture at low density. *Physics of Fluids*, **2002**, 14, 1476-1490	4.4	101
70	Kinetic temperatures for a granular mixture. *Physical Review E*, **2002**, 66, 041301	2.4	98
69	Heat and momentum transport in a multicomponent mixture far from equilibrium. *Physica A: Statistical Mechanics and Its Applications*, **2001**, 289, 37-56	3.3	2
68	Nonlinear transport in a binary mixture in the presence of gravitation. *Physica A: Statistical Mechanics and Its Applications*, **2001**, 297, 97-114	3.3	4
67	Nonlinear Couette Flow in a Low Density Granular Gas. *Journal of Statistical Physics*, **2001**, 103, 1035-1068	1.5	29
66	Mobility and Diffusion in Granular Fluids. *Journal of Statistical Physics*, **2001**, 105, 723-744	1.5	36
65	Shear-rate dependent transport coefficients in a binary mixture of Maxwell molecules. *Physics of Fluids*, **2000**, 12, 717-726	4.4	1
64	Monte Carlo simulation of nonlinear Couette flow in a dilute gas. *Physics of Fluids*, **2000**, 12, 3060	4.4	13

63	Kinetic theory of simple granular shear flows of smooth hard spheres. *Journal of Fluid Mechanics*, **1999**, 389, 391-411	3.7	72
62	Homogeneous cooling state for a granular mixture. *Physical Review E*, **1999**, 60, 5706-13	2.4	152
61	Simple and accurate theory for strong shock waves in a dense hard-sphere fluid. *Physical Review E*, **1999**, 60, 7592-5	2.4	7
60	Electrical current density in a sheared dilute gas. *Physica A: Statistical Mechanics and Its Applications*, **1999**, 265, 508-519	3.3	
59	Dense fluid transport for inelastic hard spheres. *Physical Review E*, **1999**, 59, 5895-911	2.4	309
58	Influence of gravity on nonlinear transport in the planar Couette flow. *Physics of Fluids*, **1999**, 11, 893-904	4.4	7
57	Nonlinear Couette flow in a dilute gas: Comparison between theory and molecular-dynamics simulation. *Physical Review E*, **1998**, 58, 1836-1842	2.4	9
56	Strong shock waves in a dense gas: Burnett theory versus Monte Carlo simulation. *Physical Review E* , **1998**, 58, 7319-7324	2.4	6
55	Mutual diffusion in a binary mixture under shear flow. *Physical Review E*, **1998**, 57, 507-513	2.4	5
54	Electrical conductivity in a dilute gas far from equilibrium. *Physical Review E*, **1998**, 57, 4186-4197	2.4	1
53	On the validity of a variational principle for multicomponent systems. *Journal of Chemical Physics*, **1997**, 107, 2573-2579	3.9	
52	Tracer limit in a gas mixture under shear flow with repulsive interactions. *Physical Review E*, **1997**, 56, 2291-2294	2.4	1
51	Nonlinear transport for a dilute gas in steady Couette flow. *Physics of Fluids*, **1997**, 9, 776-787	4.4	17
50	Nonlinear heat transport in a dilute gas in the presence of gravitation. *Physical Review E*, **1997**, 56, 6729-6734	2.4	12
49	Distribution function for large velocities of a two-dimensional gas under shear flow. *Journal of Statistical Physics*, **1997**, 88, 1165-1181	1.5	4
48	Kinetic model for uniform shear flow. *Physica A: Statistical Mechanics and Its Applications*, **1997**, 243, 113-128	3.3	1
47	Non-equilibrium phase transition in a binary mixture. *Europhysics Letters*, **1996**, 33, 599-604	1.6	7
46	Kinetic models for diffusion generated by an external force. *Physica A: Statistical Mechanics and Its Applications*, **1996**, 225, 235-253	3.3	8

45	Tracer diffusion under heat and momentum transport for general repulsive potentials. *Physica A: Statistical Mechanics and Its Applications*, **1996**, 234, 108-128	3.3	2
44	Uniform shear flow in a binary mixture with general repulsive interactions. *Physics of Fluids*, **1996**, 8, 2756-2765	4.4	7
43	Singular behavior of the velocity moments of a dilute gas under uniform shear flow. *Physical Review E*, **1996**, 53, 1269-1272	2.4	10
42	Monte Carlo simulation of the Boltzmann equation for uniform shear flow. *Physics of Fluids*, **1996**, 8, 1981-1983	4.4	11
41	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	2.3	2
40	Exact moment solution of the Boltzmann equation for uniform shear flow. *Physica A: Statistical Mechanics and Its Applications*, **1995**, 213, 409-425	3.3	29
39	Comparison between the Boltzmann and BGK equations for uniform shear flow. *Physica A: Statistical Mechanics and Its Applications*, **1995**, 213, 426-434	3.3	20
38	Transport properties in a binary mixture under shear flow. *Physical Review E*, **1995**, 52, 3812-3820	2.4	14
37	Shock waves in a dense gas. *Physical Review E*, **1995**, 52, 5688-5691	2.4	5
36	Heat transport in a dilute gas under uniform shear flow. *Physical Review E*, **1995**, 51, 3156-3163	2.4	2
35	Diffusion in a gaseous dilute solution under heat and momentum transport. *Physical Review E*, **1995** , 52, 4942-4951	2.4	4
34	Tracer diffusion under shear flow for general repulsive interactions. *Physics of Fluids*, **1995**, 7, 478-486	4.4	11
33	Thermal transport generated by an external force in a sheared dilute gas. *Journal of Chemical Physics*, **1995**, 103, 4626-4631	3.9	1
32	On the Validity of a Variational Principle for Far-from-Equilibrium Steady States. *Europhysics Letters* , **1995**, 29, 693-698	1.6	5
31	Does the Gaussian thermostat maximize the phase-space compression factor?. *Journal of Statistical Physics*, **1995**, 81, 989-1005	1.5	3
30	Singular Behavior of Shear Flow Far from Equilibrium. *Physical Review Letters*, **1994**, 72, 1392-1392	7.4	11
29	Heat flux induced by an external force in a strongly shearing dilute gas. *Journal of Chemical Physics*, **1994**, 101, 1423-1430	3.9	4
28	Nonlinear transport in a dilute binary mixture of mechanically different particles. *Journal of Statistical Physics*, **1994**, 75, 797-816	1.5	9

27	Monte Carlo simulation of the Boltzmann equation for steady Fourier flow. *Physical Review E*, **1994**, 49, 367-375	2.4	26
26	Kinetic model for heat and momentum transport. *Physics of Fluids*, **1994**, 6, 3787-3794	4.4	12
25	Singular behavior of shear flow far from equilibrium. *Physical Review Letters*, **1993**, 71, 3971-3974	7.4	20
24	Analysis of the Evans and Baranyai variational principle in dilute gases. *Physical Review Letters*, **1993**, 70, 2730-2733	7.4	9
23	Color conductivity induced by a shear-rate dependent color field. *Journal of Chemical Physics*, **1993**, 98, 6569-6570	3.9	2
22	Thermal conductivity of a dilute gas in a thermostated shear-flow state. *Physical Review E*, **1993**, 48, 3589-3593	2.4	36
21	Heat and momentum transport in a gaseous dilute solution. *Physical Review E*, **1993**, 48, 256-262	2.4	10
20	Effect of mass-ratio dependence of the force law for tracer diffusion in shear flow. *Physics of Fluids A, Fluid Dynamics*, **1993**, 5, 1059-1061		4
19	Kinetic model for transport around uniform shear flow. *Molecular Physics*, **1993**, 78, 1129-1141	1.7	3
18	On the Burnett equations for a dense monatomic hard-sphere gas. *Physica A: Statistical Mechanics and Its Applications*, **1993**, 197, 98-112	3.3	12
17	Self-diffusion in a dilute gas under heat and momentum transport. *Physical Review A*, **1992**, 46, 3276-3287	2.6	6
16	Nonlinear mass and momentum transport in a dilute gas. *Journal of Chemical Physics*, **1992**, 97, 2039-2045	3.9	3
15	Comparison between the homogeneous-shear and the sliding-boundary methods to produce shear flow. *Physical Review A*, **1992**, 46, 8018-8020	2.6	11
14	Kinetic models for diffusion in shear flow. *Physics of Fluids A, Fluid Dynamics*, **1992**, 4, 1057-1069		16
13	Transport equations from the Liu model. *Physics of Fluids A, Fluid Dynamics*, **1991**, 3, 1980-1982		7
12	Divergence of the nonlinear thermal conductivity in the homogeneous heat flow. *Chemical Physics Letters*, **1991**, 177, 79-83	2.5	7
11	Exact solution of the Boltzmann equation in the homogeneous color conductivity problem. *Journal of Statistical Physics*, **1991**, 65, 747-760	1.5	8
10	Tracer diffusion in shear flow. *Physical Review A*, **1991**, 44, 1397-1400	2.6	14

9	Influence of nonconservative external forces on self-diffusion in dilute gases. *Physica A: Statistical Mechanics and Its Applications*, **1990**, 163, 651-671	3.3	29
8	A kinetic model for a multicomponent gas. *Physics of Fluids A, Fluid Dynamics*, **1989**, 1, 380-383		93
7	On the derivation of the Burnett hydrodynamic equations from the Hilbert expansion. *Physica A: Statistical Mechanics and Its Applications*, **1988**, 149, 551-560	3.3	5
6	Perturbative solution of the BGK equation for very hard particle interaction. *Molecular Physics*, **1988**, 63, 517-521	1.7	2
5	Generalized transport coefficients in a gas with large shear rate. *Molecular Physics*, **1987**, 61, 421-432	1.7	3
4	Transport properties in disparate-mass binary gases. *Chemical Physics Letters*, **1987**, 141, 255-260	2.5	1
3	The hilbert expansion of the BGK equation. *Chemical Physics Letters*, **1987**, 135, 143-146	2.5	3
2	Coupling between shear flow and temperature gradient for the very hard particles interaction. *Chemical Physics Letters*, **1986**, 132, 526-530	2.5	2
1	Kinetic model for steady heat flow. *Physical Review A*, **1986**, 34, 5047-5050	2.6	34