

Andres Santos

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

275
papers

5,301
citations

35
h-index

56
g-index

287
ext. papers

5,758
ext. citations

2.9
avg, IF

5.96
L-index

#	Paper	IF	Citations
275	Structural properties of additive binary hard-sphere mixtures. III. Direct correlation functions.. <i>Physical Review E</i> , 2021 , 104, 054142	2.4	0
274	Finite-size effects and thermodynamic limit in one-dimensional Janus fluids. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021 , 2021, 103210	1.9	
273	Mpemba effect in inertial suspensions. <i>Physical Review E</i> , 2021 , 103, 032901	2.4	9
272	Relative entropy of freely cooling granular gases. A molecular dynamics study. <i>EPJ Web of Conferences</i> , 2021 , 249, 04006	0.3	0
271	Structural properties of additive binary hard-sphere mixtures. II. Asymptotic behavior and structural crossovers. <i>Physical Review E</i> , 2021 , 104, 024128	2.4	1
270	The Newcomb-Benford law: Scale invariance and a simple Markov process based on it. <i>American Journal of Physics</i> , 2021 , 89, 851-861	0.7	0
269	Hydrodynamics of granular gases of inelastic and rough hard disks or spheres. I. Transport coefficients. <i>Physical Review E</i> , 2021 , 104, 034901	2.4	1
268	Hydrodynamics of granular gases of inelastic and rough hard disks or spheres. II. Stability analysis. <i>Physical Review E</i> , 2021 , 104, 034902	2.4	1
267	Enskog kinetic theory of rheology for a moderately dense inertial suspension. <i>Physical Review E</i> , 2020 , 102, 022907	2.4	4
266	Structural properties of additive binary hard-sphere mixtures. <i>Physical Review E</i> , 2020 , 101, 012117	2.4	6
265	Equation of State of Four- and Five-Dimensional Hard-Hypersphere Mixtures. <i>Entropy</i> , 2020 , 22,	2.8	1
264	One-dimensional Janus fluids. Exact solution and mapping from the quenched to the annealed system. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020 , 2020, 063217	1.9	2
263	Structural and thermodynamic properties of hard-sphere fluids. <i>Journal of Chemical Physics</i> , 2020 , 153, 120901	3.9	10
262	Kullback-Leibler Divergence of a Freely Cooling Granular Gas. <i>Entropy</i> , 2020 , 22,	2.8	2
261	Mpemba effect in molecular gases under nonlinear drag. <i>Physics of Fluids</i> , 2020 , 32, 072010	4.4	13
260	Kinetic theory of soft matter. The penetrable-square-well model 2019 ,		2
259	Energy production rates of multicomponent granular gases of rough particles. A unified view of hard-disk and hard-sphere systems 2019 ,		2

258	Ethene Dimerization on Zeolite-Hosted Ni Ions: Reversible Mobilization of the Active Site. <i>ACS Catalysis</i> , 2019 , 9, 5645-5650	13.1	32
257	Driven and undriven states of multicomponent granular gases of inelastic and rough hard disks or spheres. <i>Granular Matter</i> , 2019 , 21, 1	2.6	3
256	On the emergence of large and complex memory effects in nonequilibrium fluids. <i>New Journal of Physics</i> , 2019 , 21, 033042	2.9	11
255	Large Mpemba-like effect in a gas of inelastic rough hard spheres. <i>Physical Review E</i> , 2019 , 99, 060901	2.4	26
254	Intruders in disguise: Mimicry effect in granular gases. <i>Physics of Fluids</i> , 2019 , 31, 063306	4.4	4
253	Triangle-Well and Ramp Interactions in One-Dimensional Fluids: A Fully Analytic Exact Solution. <i>Journal of Statistical Physics</i> , 2019 , 175, 269-288	1.5	4
252	Chemical potential of a test hard sphere of variable size in hard-sphere fluid mixtures. <i>Journal of Chemical Physics</i> , 2018 , 148, 214503	3.9	5
251	Random walks on lattices. Influence of competing reaction centers on diffusion-controlled processes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 511, 336-357	3.3	2
250	Structural properties of the Jagla fluid. <i>Physical Review E</i> , 2018 , 98, 012138	2.4	8
249	Interplay between polydispersity, inelasticity, and roughness in the freely cooling regime of hard-disk granular gases. <i>Physical Review E</i> , 2018 , 98, 012904	2.4	4
248	Residual Multiparticle Entropy for a Fractal Fluid of Hard Spheres. <i>Entropy</i> , 2018 , 20,	2.8	3
247	Finite-size estimates of Kirkwood-Buff and similar integrals. <i>Physical Review E</i> , 2018 , 98,	2.4	9
246	Impact of roughness on the instability of a free-cooling granular gas. <i>Physical Review E</i> , 2018 , 97, 052901	2.4	6
245	Vapor-liquid equilibrium and equation of state of two-dimensional fluids from a discrete perturbation theory. <i>Journal of Chemical Physics</i> , 2018 , 148, 194505	3.9	6
244	Virial coefficients, equation of state, and demixing of binary asymmetric nonadditive hard-disk mixtures. <i>Journal of Chemical Physics</i> , 2017 , 147, 164502	3.9	4
243	When the Hotter Cools More Quickly: Mpemba Effect in Granular Fluids. <i>Physical Review Letters</i> , 2017 , 119, 148001	7.4	47
242	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
241	Fluid-driven metamorphism of the continental crust governed by nanoscale fluid flow. <i>Nature Geoscience</i> , 2017 , 10, 685-690	18.3	67

240	Equation of state of polydisperse hard-disk mixtures in the high-density regime. <i>Physical Review E</i> , 2017 , 96, 062603	2.4	14
239	Energy nonequipartition in gas mixtures of inelastic rough hard spheres: The tracer limit. <i>Physical Review E</i> , 2017 , 96, 052901	2.4	8
238	One-Dimensional Fluids with Second Nearest-Neighbor Interactions. <i>Journal of Statistical Physics</i> , 2017 , 169, 1171-1201	1.5	7
237	Radial distribution function for hard spheres in fractal dimensions: A heuristic approximation. <i>Physical Review E</i> , 2016 , 93, 062126	2.4	5
236	Summary of Thermodynamic Potentials. <i>Lecture Notes in Physics</i> , 2016 , 1-11	0.8	
235	Density Expansion of the Equation of State. <i>Lecture Notes in Physics</i> , 2016 , 33-96	0.8	
234	Spatial Correlation Functions and Thermodynamic Routes. <i>Lecture Notes in Physics</i> , 2016 , 97-124	0.8	
233	Density Expansion of the Radial Distribution Function and Approximate Integral Equations. <i>Lecture Notes in Physics</i> , 2016 , 157-201	0.8	
232	Exact Solution of the Percus-Yevick Approximation for Hard Spheres and Beyond. <i>Lecture Notes in Physics</i> , 2016 , 203-253	0.8	1
231	Chemical potential of a test hard sphere of variable size in a hard-sphere fluid. <i>Journal of Chemical Physics</i> , 2016 , 145, 214504	3.9	7
230	Theoretical approaches to the structural properties of the square-shoulder fluid. <i>Molecular Physics</i> , 2016 , 114, 2382-2390	1.7	6
229	Summary of Equilibrium Statistical Ensembles. <i>Lecture Notes in Physics</i> , 2016 , 13-32	0.8	
228	One-Dimensional Systems: Exact Solution for Nearest-Neighbor Interactions. <i>Lecture Notes in Physics</i> , 2016 , 125-156	0.8	1
227	A Concise Course on the Theory of Classical Liquids. <i>Lecture Notes in Physics</i> , 2016 ,	0.8	37
226	Diffusion in bulk liquids: finite-size effects in anisotropic systems. <i>Molecular Physics</i> , 2015 , 113, 2674-2679	1.7	22
225	Multi-particle critical correlations. <i>Molecular Physics</i> , 2015 , 113, 2855-2862	1.7	3
224	Virial coefficients and demixing in the Asakura-Oosawa model. <i>Journal of Chemical Physics</i> , 2015 , 142, 014902	3.9	6
223	The effective colloid interaction in the Asakura-Oosawa model. Assessment of non-pairwise terms from the virial expansion. <i>Journal of Chemical Physics</i> , 2015 , 142, 224903	3.9	7

222	Bridging and depletion mechanisms in colloid-colloid effective interactions: A reentrant phase diagram. <i>Journal of Chemical Physics</i> , 2015 , 142, 224905	3.9	20
221	Equation of state for five-dimensional hyperspheres from the chemical-potential route. <i>Physical Review E</i> , 2015 , 92, 022303	2.4	
220	Steady state in a gas of inelastic rough spheres heated by a uniform stochastic force. <i>Physics of Fluids</i> , 2015 , 27, 113301	4.4	14
219	Fourth virial coefficient of additive hard-sphere mixtures in the Percus-Yevick and hypernetted-chain approximations. <i>Journal of Chemical Physics</i> , 2014 , 140, 134507	3.9	5
218	Equation of state of sticky-hard-sphere fluids in the chemical-potential route. <i>Physical Review E</i> , 2014 , 89, 042121	2.4	5
217	Simple effective rule to estimate the jamming packing fraction of polydisperse hard spheres. <i>Physical Review E</i> , 2014 , 89, 040302	2.4	28
216	Properties of the homogeneous cooling state of a gas of inelastic rough particles 2014 ,		5
215	Transport coefficients of a granular gas of inelastic rough hard spheres. <i>Physical Review E</i> , 2014 , 90, 022205		19
214	Role of roughness on the hydrodynamic homogeneous base state of inelastic spheres. <i>Physical Review E</i> , 2014 , 89, 020202	2.4	26
213	Hydrodynamic Burnett equations for inelastic Maxwell models of granular gases. <i>Physical Review E</i> , 2014 , 89, 052201	2.4	11
212	Note: equation of state and the freezing point in the hard-sphere model. <i>Journal of Chemical Physics</i> , 2014 , 140, 136101	3.9	14
211	Depletion force in the infinite-dilution limit in a solvent of nonadditive hard spheres. <i>Journal of Chemical Physics</i> , 2014 , 140, 244513	3.9	11
210	Playing with Marbles: Structural and Thermodynamic Properties of Hard-Sphere Systems 2014 ,		1
209	Structural properties of fluids interacting via piece-wise constant potentials with a hard core. <i>Journal of Chemical Physics</i> , 2013 , 139, 074505	3.9	11
208	Steady base states for non-Newtonian granular hydrodynamics. <i>Journal of Fluid Mechanics</i> , 2013 , 719, 431-464	3.7	9
207	Janus fluid with fixed patch orientations: theory and simulations. <i>Journal of Chemical Physics</i> , 2013 , 138, 094904	3.9	18
206	Multicomponent fluid of nonadditive hard spheres near a wall. <i>Physical Review E</i> , 2013 , 87, 042102	2.4	7
205	Chemical-potential route for multicomponent fluids. <i>Physical Review E</i> , 2013 , 87, 052138	2.4	12

204	Communication: Virial coefficients and demixing in highly asymmetric binary additive hard-sphere mixtures. <i>Journal of Chemical Physics</i> , 2013 , 138, 161104	3.9	6
203	Phase diagrams of Janus fluids with up-down constrained orientations. <i>Journal of Chemical Physics</i> , 2013 , 139, 174902	3.9	14
202	Chemical-potential route: a hidden Percus-Yevick equation of state for hard spheres. <i>Physical Review Letters</i> , 2012 , 109, 120601	7.4	21
201	Class of consistent fundamental-measure free energies for hard-sphere mixtures. <i>Physical Review E</i> , 2012 , 86, 040102	2.4	28
200	Diffusion coefficient and shear viscosity of rigid water models. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 284117	1.8	73
199	Note: An exact scaling relation for truncatable free energies of polydisperse hard-sphere mixtures. <i>Journal of Chemical Physics</i> , 2012 , 136, 136102	3.9	11
198	Relative entropy of a freely cooling granular gas 2012 ,		3
197	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
196	Fourth virial coefficients of asymmetric nonadditive hard-disk mixtures. <i>Journal of Chemical Physics</i> , 2012 , 136, 184505	3.9	4
195	Unsteady non-Newtonian hydrodynamics in granular gases. <i>Physical Review E</i> , 2012 , 85, 021302	2.4	7
194	Rational-function approximation for fluids interacting via piece-wise constant potentials. <i>Condensed Matter Physics</i> , 2012 , 15, 23602	1.3	12
193	Phase diagram of the penetrable-square-well model. <i>Europhysics Letters</i> , 2011 , 93, 26002	1.6	15
192	Structure of the square-shoulder fluid. <i>Molecular Physics</i> , 2011 , 109, 987-995	1.7	19
191	On the relation between virial coefficients and the close-packing of hard disks and hard spheres. <i>Journal of Chemical Physics</i> , 2011 , 134, 084502	3.9	14
190	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
189	The penetrable square-well model: extensive versus non-extensive phases. <i>Molecular Physics</i> , 2011 , 109, 2723-2736	1.7	14
188	A Bhatnagar-Gross-Krook-like Model Kinetic Equation for a Granular Gas of Inelastic Rough Hard Spheres 2011 ,		6
187	Communication: inferring the equation of state of a metastable hard-sphere fluid from the equation of state of a hard-sphere mixture at high densities. <i>Journal of Chemical Physics</i> , 2011 , 135, 181102	3.9	10

186	Exact solution of the Percus-Yevick integral equation for fluid mixtures of hard hyperspheres. <i>Physical Review E</i> , 2011 , 84, 041203	2.4	8
185	Nonadditive hard-sphere fluid mixtures: a simple analytical theory. <i>Physical Review E</i> , 2011 , 84, 041201	2.4	10
184	Class of dilute granular Couette flows with uniform heat flux. <i>Physical Review E</i> , 2011 , 83, 021302	2.4	11
183	Hydrodynamics of Inelastic Maxwell Models. <i>Mathematical Modelling of Natural Phenomena</i> , 2011 , 6, 37-76	3	12
182	Multicomponent fluids of hard hyperspheres in odd dimensions. <i>Physical Review E</i> , 2011 , 83, 011201	2.4	16
181	Sonine approximation for collisional moments of granular gases of inelastic rough spheres. <i>Physics of Fluids</i> , 2011 , 23, 030604	4.4	24
180	Comment on A general integral identity. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011 , 44, 428001	2	2
179	Homogeneous Free Cooling State in Binary Granular Fluids of Inelastic Rough Hard Spheres 2011 ,		10
178	Non-Newtonian Couette-Poiseuille flow of a dilute gas. <i>Kinetic and Related Models</i> , 2011 , 4, 361-384	2.4	1
177	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
176	Simple relationship between the virial-route hypernetted-chain and the compressibility-route Percus-Yevick values of the fourth virial coefficient. <i>Journal of Chemical Physics</i> , 2010 , 132, 144508	3.9	4
175	Virial coefficients, thermodynamic properties, and fluid-fluid transition of nonadditive hard-sphere mixtures. <i>Journal of Chemical Physics</i> , 2010 , 132, 204506	3.9	20
174	Energy Production Rates in Fluid Mixtures of Inelastic Rough Hard Spheres. <i>Progress of Theoretical Physics Supplement</i> , 2010 , 184, 31-48		22
173	A numerical test of a high-penetrability approximation for the one-dimensional penetrable-square-well model. <i>Journal of Chemical Physics</i> , 2010 , 133, 024101	3.9	14
172	Molecular dynamics simulation study of self-diffusion for penetrable-sphere model fluids. <i>Physical Review E</i> , 2010 , 82, 051202	2.4	11
171	COMMENTS ON "STATE EQUATION FOR THE THREE-DIMENSIONAL SYSTEM OF 'COLLAPSING' HARD SPHERES". <i>Modern Physics Letters B</i> , 2009 , 23, 3305-3308	1.6	1
170	A branch-point approximant for the equation of state of hard spheres. <i>Journal of Chemical Physics</i> , 2009 , 130, 214104	3.9	21
169	Penetrable-square-well fluids: analytical study and Monte Carlo simulations. <i>Journal of Chemical Physics</i> , 2009 , 131, 124106	3.9	21

168	Local and global properties of mixtures in one-dimensional systems. II. Exact results for the Kirkwood-Buff integrals. <i>Journal of Chemical Physics</i> , 2009 , 131, 164512	3.9	9
167	Thermodynamic consistency of energy and virial routes: an exact proof within the linearized Debye-Hückel theory. <i>Journal of Chemical Physics</i> , 2009 , 131, 181105	3.9	12
166	The second and third Sonine coefficients of a freely cooling granular gas revisited. <i>Granular Matter</i> , 2009 , 11, 157-168	2.6	27
165	Solutions of the moment hierarchy in the kinetic theory of Maxwell models. <i>Continuum Mechanics and Thermodynamics</i> , 2009 , 21, 361-387	3.5	12
164	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
163	Contact values for disparate-size hard-sphere mixtures. <i>Molecular Physics</i> , 2009 , 107, 685-691	1.7	5
162	Does the Chapman-Enskog expansion for sheared granular gases converge?. <i>Physical Review Letters</i> , 2008 , 100, 078003	7.4	12
161	Alternative Approaches to the Equilibrium Properties of Hard-Sphere Liquids. <i>Lecture Notes in Physics</i> , 2008 , 183-245	0.8	23
160	Simple equation of state for hard disks on the hyperbolic plane. <i>Journal of Chemical Physics</i> , 2008 , 129, 116101	3.9	5
159	Impurity in a granular gas under nonlinear Couette flow. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008 , 2008, P09003	1.9	4
158	Depletion potential in the infinite dilution limit. <i>Journal of Chemical Physics</i> , 2008 , 128, 134507	3.9	12
157	Rheological Properties of a Granular Impurity in the Couette Flow. <i>AIP Conference Proceedings</i> , 2008 ,	0	1
156	Penetrable square-well fluids: exact results in one dimension. <i>Physical Review E</i> , 2008 , 77, 051206	2.4	28
155	Virial series for fluids of hard hyperspheres in odd dimensions. <i>Journal of Chemical Physics</i> , 2008 , 129, 014510	3.9	30
154	Multicomponent fluid of hard spheres near a wall. <i>Physical Review E</i> , 2007 , 75, 061201	2.4	13
153	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
152	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
151	Thermodynamic consistency between the energy and virial routes in the mean spherical approximation for soft potentials. <i>Journal of Chemical Physics</i> , 2007 , 126, 116101	3.9	7

150	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
149	Aging to non-Newtonian hydrodynamics in a granular gas. <i>Europhysics Letters</i> , 2007 , 78, 24002	1.6	14
148	Granular mixtures modeled as elastic hard spheres subject to a drag force. <i>Physical Review E</i> , 2007 , 75, 061306	2.4	11
147	Low-temperature and high-temperature approximations for penetrable-sphere fluids: comparison with Monte Carlo simulations and integral equation theories. <i>Physical Review E</i> , 2007 , 76, 021504	2.4	23
146	Radial distribution function of penetrable sphere fluids to the second order in density. <i>Physical Review E</i> , 2007 , 75, 021201	2.4	17
145	Structure of hard-hypersphere fluids in odd dimensions. <i>Physical Review E</i> , 2007 , 76, 051202	2.4	35
144	Exact bulk correlation functions in one-dimensional nonadditive hard-core mixtures. <i>Physical Review E</i> , 2007 , 76, 062201	2.4	18
143	Simple shear flow in inelastic Maxwell models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007 , 2007, P08021-P08021	1.9	16
142	Percus-Yevick theory for the structural properties of the seven-dimensional hard-sphere fluid. <i>Journal of Chemical Physics</i> , 2007 , 126, 016101	3.9	15
141	Structure of penetrable-rod fluids: exact properties and comparison between Monte Carlo simulations and two analytic theories. <i>Journal of Chemical Physics</i> , 2006 , 124, 74508	3.9	24
140	Normal solutions of the Boltzmann equation for highly nonequilibrium Fourier flow and Couette flow. <i>Physics of Fluids</i> , 2006 , 18, 017104	4.4	43
139	How "sticky" are short-range square-well fluids?. <i>Journal of Chemical Physics</i> , 2006 , 125, 074507	3.9	21
138	Dynamics of a hard sphere granular impurity. <i>Physical Review Letters</i> , 2006 , 97, 058001	7.4	24
137	On the radial distribution function of a hard-sphere fluid. <i>Journal of Chemical Physics</i> , 2006 , 124, 236102	3.9	12
136	Are the energy and virial routes to thermodynamics equivalent for hard spheres?. <i>Molecular Physics</i> , 2006 , 104, 3411-3418	1.7	16
135	Test of a universality ansatz for the contact values of the radial distribution functions of hard-sphere mixtures near a hard wall. <i>Molecular Physics</i> , 2006 , 104, 3461-3467	1.7	8
134	Contact values of the particle-particle and wall-particle correlation functions in a hard-sphere polydisperse fluid. <i>Journal of Chemical Physics</i> , 2005 , 123, 234512	3.9	21
133	DSMC evaluation of the Navier-Stokes shear viscosity of a granular fluid. <i>AIP Conference Proceedings</i> , 2005 ,	0	13

132	Kinetic Theory of Soft Matter: The Penetrable-Sphere Model. <i>AIP Conference Proceedings</i> , 2005 ,	0	4
131	Pair correlation function of short-ranged square-well fluids. <i>Journal of Chemical Physics</i> , 2005 , 122, 8451-9	3.9	48
130	On the equivalence between the energy and virial routes to the equation of state of hard-sphere fluids. <i>Journal of Chemical Physics</i> , 2005 , 123, 104102	3.9	15
129	Equation of state of nonadditive d-dimensional hard-sphere mixtures. <i>Journal of Chemical Physics</i> , 2005 , 122, 024514	3.9	37
128	System of elastic hard spheres which mimics the transport properties of a granular gas. <i>Physical Review E</i> , 2005 , 72, 031308	2.4	17
127	Demixing can occur in binary hard-sphere mixtures with negative nonadditivity. <i>Physical Review E</i> , 2005 , 72, 010501	2.4	11
126	Uniform shear flow in dissipative gases: computer simulations of inelastic hard spheres and frictional elastic hard spheres. <i>Physical Review E</i> , 2005 , 72, 031309	2.4	19
125	Molecular dynamics and theory for the contact values of the radial distribution functions of hard-disk fluid mixtures. <i>Journal of Chemical Physics</i> , 2004 , 121, 8458-65	3.9	20
124	Poiseuille Flow in a Heated Granular Gas. <i>Journal of Statistical Physics</i> , 2004 , 117, 901-928	1.5	13
123	The penetrable-sphere fluid in the high-temperature, high-density limit. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004 , 323, 427-433	2.3	22
122	Inherent rheology of a granular fluid in uniform shear flow. <i>Physical Review E</i> , 2004 , 69, 061303	2.4	78
121	Equation of state of a seven-dimensional hard-sphere fluid. Percus-Yevick theory and molecular-dynamics simulations. <i>Journal of Chemical Physics</i> , 2004 , 120, 9113-22	3.9	29
120	Transport coefficients of d-dimensional inelastic Maxwell models. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 321, 442-466	3.3	50
119	Maxwellian gas undergoing a stationary Poiseuille flow in a pipe. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 327, 264-290	3.3	9
118	Heat capacity of square-well fluids of variable width. <i>Molecular Physics</i> , 2003 , 101, 2981-2986	1.7	24
117	Exact steady-state solution of the Boltzmann equation: a driven one-dimensional inelastic Maxwell gas. <i>Physical Review E</i> , 2003 , 68, 011305	2.4	29
116	Comments on nonlinear viscosity and Grad's moment method. <i>Physical Review E</i> , 2003 , 67, 053201; author reply 053202, 053203	2.4	1
115	Granular fluid thermostated by a bath of elastic hard spheres. <i>Physical Review E</i> , 2003 , 67, 051101	2.4	8

114	Kinetic Theory of Gases in Shear Flows 2003 ,		112
113	On the Derivation of a High-Velocity Tail from the Boltzmann-Bokker-Planck Equation for Shear Flow. <i>Journal of Statistical Physics</i> , 2002 , 109, 1027-1050	1.5	8
112	Equation of state of additive hard-disk fluid mixtures: a critical analysis of two recent proposals. <i>Physical Review E</i> , 2002 , 66, 031202	2.4	7
111	Structure of ternary additive hard-sphere fluid mixtures. <i>Physical Review E</i> , 2002 , 66, 061203	2.4	11
110	Contact values of the radial distribution functions of additive hard-sphere mixtures in d dimensions: A new proposal. <i>Journal of Chemical Physics</i> , 2002 , 117, 5785-5793	3.9	49
109	Non-Newtonian Poiseuille flow of a gas in a pipe. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001 , 289, 336-358	3.3	9
108	Nonlinear Couette Flow in a Low Density Granular Gas. <i>Journal of Statistical Physics</i> , 2001 , 103, 1035-1068	5	29
107	Nonequilibrium phase transition for a heavy particle in a granular fluid. <i>Physical Review E</i> , 2001 , 64, 051305	5	21
106	Critical behavior of a heavy particle in a granular fluid. <i>Physical Review Letters</i> , 2001 , 86, 4823-6	7.4	37
105	A square-well model for the structural and thermodynamic properties of simple colloidal systems. <i>Journal of Chemical Physics</i> , 2001 , 115, 2805-2817	3.9	33
104	Virial coefficients and equations of state for mixtures of hard discs, hard spheres and hard hyperspheres. <i>Molecular Physics</i> , 2001 , 99, 1959-1972	1.7	25
103	Computer simulation of uniformly heated granular fluids. <i>Granular Matter</i> , 2000 , 2, 53-64	2.6	139
102	Demixing in binary mixtures of hard hyperspheres. <i>Europhysics Letters</i> , 2000 , 52, 158-164	1.6	21
101	Nonlinear viscosity and velocity distribution function in a simple longitudinal flow. <i>Physical Review E</i> , 2000 , 62, 6597-607	2.4	9
100	Monte Carlo simulation of nonlinear Couette flow in a dilute gas. <i>Physics of Fluids</i> , 2000 , 12, 3060	4.4	13
99	Monte Carlo simulation of a hard-sphere gas in the planar Fourier flow with a gravity field. <i>Molecular Physics</i> , 2000 , 98, 239-248	1.7	3
98	An equation of state via Carnahan-Starling for a five-dimensional fluid of hard hyperspheres. <i>Journal of Chemical Physics</i> , 2000 , 112, 10680-10681	3.9	20
97	Direct correlation functions and bridge functions in additive hard-sphere mixtures. <i>Molecular Physics</i> , 2000 , 98, 439-446	1.7	10

96	Kinetic theory of simple granular shear flows of smooth hard spheres. <i>Journal of Fluid Mechanics</i> , 1999 , 389, 391-411	3.7	72
95	Diffusion in lattice Lorentz gases with a percolation threshold. <i>Physical Review E</i> , 1999 , 60, 1310-23	2.4	1
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