

# Andres Santos

## List of Publications by Citations

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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 | Hydrodynamics for granular flow at low density. <i>Physical Review E</i> , <b>1998</b> , 58, 4638-4653   | 2.4  | 329       |
| 274 | Dissipative dynamics for hard spheres. <i>Journal of Statistical Physics</i> , <b>1997</b> , 87, 1051-1066   | 1.5  | 169       |
| 273 | Computer simulation of uniformly heated granular fluids. <i>Granular Matter</i> , <b>2000</b> , 2, 53-64   | 2.6  | 139       |
| 272 | Kinetic Theory of Gases in Shear Flows <b>2003</b> ,   |      | 112       |
| 271 | A kinetic model for a multicomponent gas. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1989</b> , 1, 380-383  |      | 93        |
| 270 | Radial distribution function for hard spheres. <i>Physical Review A</i> , <b>1991</b> , 43, 5418-5423  | 2.6  | 88        |
| 269 | An accurate and simple equation of state for hard disks. <i>Journal of Chemical Physics</i> , <b>1995</b> , 103, 4622-4625   | 2.9  | 87        |
| 268 | Inherent rheology of a granular fluid in uniform shear flow. <i>Physical Review E</i> , <b>2004</b> , 69, 061303   | 2.4  | 78        |
| 267 | Kinetic Models for Granular Flow. <i>Journal of Statistical Physics</i> , <b>1999</b> , 97, 281-322  | 1.5  | 78        |
| 266 | Model for nonequilibrium computer simulation methods. <i>Physical Review A</i> , <b>1986</b> , 33, 459-466   | 2.6  | 74        |
| 265 | Diffusion coefficient and shear viscosity of rigid water models. <i>Journal of Physics Condensed Matter</i> , <b>2012</b> , 24, 284117   | 1.8  | 73        |
| 264 | Kinetic theory of simple granular shear flows of smooth hard spheres. <i>Journal of Fluid Mechanics</i> , <b>1999</b> , 389, 391-411   | 3.7  | 72        |
| 263 | Fluid-driven metamorphism of the continental crust governed by nanoscale fluid flow. <i>Nature Geoscience</i> , <b>2017</b> , 10, 685-690  | 18.3 | 67        |
| 262 | Monte Carlo simulation method for the Enskog equation. <i>Physical Review E</i> , <b>1996</b> , 54, 438-444  | 2.4  | 64        |
| 261 | Modified Sonine approximation for the Navier-Stokes transport coefficients of a granular gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2007</b> , 376, 94-107 | 3.3  | 55        |
| 260 | Kinetic model for the hard-sphere fluid and solid. <i>Physical Review E</i> , <b>1998</b> , 57, 1644-1660  | 2.4  | 55        |
| 259 | Structure of hard-sphere metastable fluids. <i>Physical Review E</i> , <b>1996</b> , 53, 4820-4826   | 2.4  | 54        |

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| 258 | Practical Kinetic Model for Hard Sphere Dynamics. <i>Physical Review Letters</i> , <b>1996</b> , 77, 1270-1273  | 7.4 | 52 |
| 257 | Perturbation analysis of a stationary nonequilibrium flow generated by an external force. <i>Journal of Statistical Physics</i> , <b>1994</b> , 76, 1399-1414                           | 1.5 | 51 |
| 256 | Transport coefficients of d-dimensional inelastic Maxwell models. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2003</b> , 321, 442-466                             | 3.3 | 50 |
| 255 | Contact values of the radial distribution functions of additive hard-sphere mixtures in d dimensions: A new proposal. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 5785-5793 | 3.9 | 49 |
| 254 | Structure of multi-component hard-sphere mixtures. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 3683-3693  | 3.9 | 49 |
| 253 | Simulation of the Enskog equation [a Bird. <i>Physics of Fluids</i> , <b>1997</b> , 9, 2057-2060  | 4.4 | 48 |
| 252 | Pair correlation function of short-ranged square-well fluids. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 8451-8459   | 3.9 | 48 |
| 251 | Equation of state of a multicomponent d-dimensional hard-sphere fluid. <i>Molecular Physics</i> , <b>1999</b> , 96, 1-5   | 1.7 | 48 |
| 250 | When the Hotter Cools More Quickly: Mpemba Effect in Granular Fluids. <i>Physical Review Letters</i> , <b>2017</b> , 119, 148001  | 7.4 | 47 |
| 249 | A model for the structure of square-well fluids. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 2355-2364  | 3.9 | 46 |
| 248 | Divergence of the Chapman-Enskog expansion. <i>Physical Review Letters</i> , <b>1986</b> , 56, 1571-1574  | 7.4 | 45 |
| 247 | PRELIMINARY COMMUNICATION Equation of state of a multicomponent d-dimensional hard-sphere fluid. <i>Molecular Physics</i> , <b>1999</b> , 96, 1-5                                       | 1.7 | 45 |
| 246 | Normal solutions of the Boltzmann equation for highly nonequilibrium Fourier flow and Couette flow. <i>Physics of Fluids</i> , <b>2006</b> , 18, 017104                                 | 4.4 | 43 |
| 245 | Heat and momentum transport far from equilibrium. <i>Physical Review A</i> , <b>1987</b> , 36, 2842-2849  | 2.6 | 43 |
| 244 | Far from equilibrium velocity distribution of a dilute gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1991</b> , 174, 355-390                                   | 3.3 | 39 |
| 243 | Equation of state of nonadditive d-dimensional hard-sphere mixtures. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 024514   | 3.9 | 37 |
| 242 | Critical behavior of a heavy particle in a granular fluid. <i>Physical Review Letters</i> , <b>2001</b> , 86, 4823-6  | 7.4 | 37 |
| 241 | A Concise Course on the Theory of Classical Liquids. <i>Lecture Notes in Physics</i> , <b>2016</b> ,  | 0.8 | 37 |

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|-----|--|------|----|
| 240 | Structure of hard-hypersphere fluids in odd dimensions. <i>Physical Review E</i> , <b>2007</b> , 76, 051202  | 2.4  | 35 |
| 239 | Kinetic model for steady heat flow. <i>Physical Review A</i> , <b>1986</b> , 34, 5047-5050   | 2.6  | 34 |
| 238 | A square-well model for the structural and thermodynamic properties of simple colloidal systems. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 2805-2817                   | 3.9  | 33 |
| 237 | Ethene Dimerization on Zeolite-Hosted Ni Ions: Reversible Mobilization of the Active Site. <i>ACS Catalysis</i> , <b>2019</b> , 9, 5645-5650   | 13.1 | 32 |
| 236 | Nonlinear Poiseuille flow in a gas. <i>Physics of Fluids</i> , <b>1998</b> , 10, 1021-1027   | 4.4  | 31 |
| 235 | Radial distribution function for sticky hard-core fluids. <i>Journal of Statistical Physics</i> , <b>1993</b> , 72, 703-720  | 1.5  | 31 |
| 234 | Analysis of nonlinear transport in Couette flow. <i>Physical Review A</i> , <b>1989</b> , 40, 7165-7174  | 2.6  | 31 |
| 233 | Virial series for fluids of hard hyperspheres in odd dimensions. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 014510  | 3.9  | 30 |
| 232 | Equation of state of a seven-dimensional hard-sphere fluid. Percus-Yevick theory and molecular-dynamics simulations. <i>Journal of Chemical Physics</i> , <b>2004</b> , 120, 9113-22 | 3.9  | 29 |
| 231 | Exact steady-state solution of the Boltzmann equation: a driven one-dimensional inelastic Maxwell gas. <i>Physical Review E</i> , <b>2003</b> , 68, 011305                           | 2.4  | 29 |
| 230 | Nonlinear Couette Flow in a Low Density Granular Gas. <i>Journal of Statistical Physics</i> , <b>2001</b> , 103, 1035-1068   | 5    | 29 |
| 229 | Exact moment solution of the Boltzmann equation for uniform shear flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1995</b> , 213, 409-425                    | 3.3  | 29 |
| 228 | Influence of nonconservative external forces on self-diffusion in dilute gases. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1990</b> , 163, 651-671            | 3.3  | 29 |
| 227 | Simple effective rule to estimate the jamming packing fraction of polydisperse hard spheres. <i>Physical Review E</i> , <b>2014</b> , 89, 040302                                     | 2.4  | 28 |
| 226 | Class of consistent fundamental-measure free energies for hard-sphere mixtures. <i>Physical Review E</i> , <b>2012</b> , 86, 040102  | 2.4  | 28 |
| 225 | Penetrable square-well fluids: exact results in one dimension. <i>Physical Review E</i> , <b>2008</b> , 77, 051206   | 2.4  | 28 |
| 224 | The second and third Sonine coefficients of a freely cooling granular gas revisited. <i>Granular Matter</i> , <b>2009</b> , 11, 157-168  | 2.6  | 27 |
| 223 | Velocity distribution for a gas with steady heat flow. <i>Physical Review A</i> , <b>1989</b> , 39, 320-327  | 2.6  | 27 |

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| 222 | Large Mpemba-like effect in a gas of inelastic rough hard spheres. <i>Physical Review E</i> , <b>2019</b> , 99, 060901   | 2.4 | 26 |
| 221 | Role of roughness on the hydrodynamic homogeneous base state of inelastic spheres. <i>Physical Review E</i> , <b>2014</b> , 89, 020202   | 2.4 | 26 |
| 220 | Sticky hard spheres beyond the Percus-Yevick approximation. <i>Physical Review E</i> , <b>1993</b> , 48, 4599-4604   | 2.4 | 26 |
| 219 | Monte Carlo simulation of the Boltzmann equation for steady Fourier flow. <i>Physical Review E</i> , <b>1994</b> , 49, 367-375   | 2.4 | 26 |
| 218 | Virial coefficients and equations of state for mixtures of hard discs, hard spheres and hard hyperspheres. <i>Molecular Physics</i> , <b>2001</b> , 99, 1959-1972  | 1.7 | 25 |
| 217 | Poiseuille flow driven by an external force. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1992</b> , 4, 1273-1282   |     | 25 |
| 216 | Sonine approximation for collisional moments of granular gases of inelastic rough spheres. <i>Physics of Fluids</i> , <b>2011</b> , 23, 030604   | 4.4 | 24 |
| 215 | Radial distribution functions for a multicomponent system of sticky hard spheres. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 6814-6819  | 3.9 | 24 |
| 214 | Structure of penetrable-rod fluids: exact properties and comparison between Monte Carlo simulations and two analytic theories. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 74508                             | 3.9 | 24 |
| 213 | Dynamics of a hard sphere granular impurity. <i>Physical Review Letters</i> , <b>2006</b> , 97, 058001   | 7.4 | 24 |
| 212 | Heat capacity of square-well fluids of variable width. <i>Molecular Physics</i> , <b>2003</b> , 101, 2981-2986   | 1.7 | 24 |
| 211 | Is there a glass transition for dense hard-sphere systems?. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 1290-1291  | 3.9 | 24 |
| 210 | Shear-rate dependence of the viscosity for dilute gases. <i>Physical Review A</i> , <b>1989</b> , 39, 3038-3040  | 2.6 | 24 |
| 209 | Absence of criticality in the hypernetted chain equation for a truncated potential. <i>Molecular Physics</i> , <b>1986</b> , 57, 149-160   | 1.7 | 24 |
| 208 | Alternative Approaches to the Equilibrium Properties of Hard-Sphere Liquids. <i>Lecture Notes in Physics</i> , <b>2008</b> , 183-245   | 0.8 | 23 |
| 207 | Low-temperature and high-temperature approximations for penetrable-sphere fluids: comparison with Monte Carlo simulations and integral equation theories. <i>Physical Review E</i> , <b>2007</b> , 76, 021504            | 2.4 | 23 |
| 206 | Velocity distribution function of a dilute gas under uniform shear flow: Comparison between a Monte Carlo simulation method and the Bhatnagar-Gross-Krook equation. <i>Physical Review A</i> , <b>1990</b> , 41, 810-815 | 2.6 | 23 |
| 205 | Diffusion in bulk liquids: finite-size effects in anisotropic systems. <i>Molecular Physics</i> , <b>2015</b> , 113, 2674-2679   | 7   | 22 |

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| 204 | Energy Production Rates in Fluid Mixtures of Inelastic Rough Hard Spheres. <i>Progress of Theoretical Physics Supplement</i> , <b>2010</b> , 184, 31-48                                |     | 22 |
| 203 | The penetrable-sphere fluid in the high-temperature, high-density limit. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2004</b> , 323, 427-433       | 2.3 | 22 |
| 202 | Nonequilibrium entropy of a gas. <i>Physical Review A</i> , <b>1992</b> , 45, 8566-8572  | 2.6 | 22 |
| 201 | Chemical-potential route: a hidden Percus-Yevick equation of state for hard spheres. <i>Physical Review Letters</i> , <b>2012</b> , 109, 120601  | 7.4 | 21 |
| 200 | Non-Newtonian granular hydrodynamics. What do the inelastic simple shear flow and the elastic fourier flow have in common?. <i>Physical Review Letters</i> , <b>2010</b> , 104, 028001 | 7.4 | 21 |
| 199 | A branch-point approximant for the equation of state of hard spheres. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 214104   | 3.9 | 21 |
| 198 | Penetrable-square-well fluids: analytical study and Monte Carlo simulations. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 124106  | 3.9 | 21 |
| 197 | Kinetic models for hard sphere dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1997</b> , 240, 212-220   | 3.3 | 21 |
| 196 | How "sticky" are short-range square-well fluids?. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 074507   | 3.9 | 21 |
| 195 | Contact values of the particle-particle and wall-particle correlation functions in a hard-sphere polydisperse fluid. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 234512    | 3.9 | 21 |
| 194 | Nonequilibrium phase transition for a heavy particle in a granular fluid. <i>Physical Review E</i> , <b>2001</b> , 64, 051305  | 3.9 | 21 |
| 193 | Demixing in binary mixtures of hard hyperspheres. <i>Europhysics Letters</i> , <b>2000</b> , 52, 158-164   | 1.6 | 21 |
| 192 | Bridging and depletion mechanisms in colloid-colloid effective interactions: A reentrant phase diagram. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 224905                 | 3.9 | 20 |
| 191 | Virial coefficients, thermodynamic properties, and fluid-fluid transition of nonadditive hard-sphere mixtures. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 204506          | 3.9 | 20 |
| 190 | Molecular dynamics and theory for the contact values of the radial distribution functions of hard-disk fluid mixtures. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 8458-65 | 3.9 | 20 |
| 189 | An equation of state $\square$ Carnahan-Starling for a five-dimensional fluid of hard hyperspheres. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 10680-10681                | 3.9 | 20 |
| 188 | Comparison between the Boltzmann and BGK equations for uniform shear flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1995</b> , 213, 426-434                   | 3.3 | 20 |
| 187 | Combined heat and momentum transport in a dilute gas. <i>Physics of Fluids</i> , <b>1995</b> , 7, 2858-2866  | 4.4 | 20 |

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| 186 | Singular behavior of shear flow far from equilibrium. <i>Physical Review Letters</i> , <b>1993</b> , 71, 3971-3974   | 7.4 | 20 |
| 185 | Transport coefficients of a granular gas of inelastic rough hard spheres. <i>Physical Review E</i> , <b>2014</b> , 90, 022205  | 19  |    |
| 184 | Structure of the square-shoulder fluid. <i>Molecular Physics</i> , <b>2011</b> , 109, 987-995  | 1.7 | 19 |
| 183 | Uniform shear flow in dissipative gases: computer simulations of inelastic hard spheres and frictional elastic hard spheres. <i>Physical Review E</i> , <b>2005</b> , 72, 031309 | 2.4 | 19 |
| 182 | A heuristic radial distribution function for hard disks. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 2020-2023  | 3.9 | 19 |
| 181 | Hilbert-class or "normal" solutions for stationary heat flow. <i>Physical Review A</i> , <b>1989</b> , 39, 328-338   | 2.6 | 19 |
| 180 | Janus fluid with fixed patch orientations: theory and simulations. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 094904  | 3.9 | 18 |
| 179 | Exact bulk correlation functions in one-dimensional nonadditive hard-core mixtures. <i>Physical Review E</i> , <b>2007</b> , 76, 062201  | 2.4 | 18 |
| 178 | Radial distribution function of penetrable sphere fluids to the second order in density. <i>Physical Review E</i> , <b>2007</b> , 75, 021201                                     | 2.4 | 17 |
| 177 | System of elastic hard spheres which mimics the transport properties of a granular gas. <i>Physical Review E</i> , <b>2005</b> , 72, 031308                                      | 2.4 | 17 |
| 176 | Multicomponent fluids of hard hyperspheres in odd dimensions. <i>Physical Review E</i> , <b>2011</b> , 83, 011201  | 2.4 | 16 |
| 175 | First-order Chapman-Enskog velocity distribution function in a granular gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2007</b> , 376, 75-93             | 3.3 | 16 |
| 174 | Simple shear flow in inelastic Maxwell models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2007</b> , 2007, P08021-P08021                                | 1.9 | 16 |
| 173 | Are the energy and virial routes to thermodynamics equivalent for hard spheres?. <i>Molecular Physics</i> , <b>2006</b> , 104, 3411-3418   | 1.7 | 16 |
| 172 | Critical behaviour of an adhesive-hard-sphere model in the mean spherical approximation. <i>Molecular Physics</i> , <b>1987</b> , 60, 113-119                                    | 1.7 | 16 |
| 171 | Critical behavior in the Percus-Yevick equation for a Lennard-Jones potential. <i>Physical Review A</i> , <b>1982</b> , 26, 2993-2995  | 2.6 | 16 |
| 170 | Phase diagram of the penetrable-square-well model. <i>Europhysics Letters</i> , <b>2011</b> , 93, 26002  | 1.6 | 15 |
| 169 | Third and fourth degree collisional moments for inelastic Maxwell models. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2007</b> , 40, 14927-14943              | 2   | 15 |

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| 168 | Percus-Yevick theory for the structural properties of the seven-dimensional hard-sphere fluid. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 016101               | 3.9 | 15 |
| 167 | On the equivalence between the energy and virial routes to the equation of state of hard-sphere fluids. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 104102      | 3.9 | 15 |
| 166 | A student-oriented derivation of a reliable equation of state for a hard-disc fluid. <i>European Journal of Physics</i> , <b>1998</b> , 19, 281-286                         | 0.8 | 15 |
| 165 | Equation of state of polydisperse hard-disk mixtures in the high-density regime. <i>Physical Review E</i> , <b>2017</b> , 96, 062603  | 2.4 | 14 |
| 164 | Steady state in a gas of inelastic rough spheres heated by a uniform stochastic force. <i>Physics of Fluids</i> , <b>2015</b> , 27, 113301                                  | 4.4 | 14 |
| 163 | Note: equation of state and the freezing point in the hard-sphere model. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 136101                                     | 3.9 | 14 |
| 162 | Phase diagrams of Janus fluids with up-down constrained orientations. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 174902  | 3.9 | 14 |
| 161 | On the relation between virial coefficients and the close-packing of hard disks and hard spheres. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 084502            | 3.9 | 14 |
| 160 | A numerical test of a high-penetrability approximation for the one-dimensional penetrable-square-well model. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 024101 | 3.9 | 14 |
| 159 | The penetrable square-well model: extensive versus non-extensive phases. <i>Molecular Physics</i> , <b>2011</b> , 109, 2723-2736  | 1.7 | 14 |
| 158 | Aging to non-Newtonian hydrodynamics in a granular gas. <i>Europhysics Letters</i> , <b>2007</b> , 78, 24002  | 1.6 | 14 |
| 157 | Transport properties in a binary mixture under shear flow. <i>Physical Review E</i> , <b>1995</b> , 52, 3812-3820   | 2.4 | 14 |
| 156 | The critical region in the Percus-Yevick approximation. A numerical study for a Lennard-Jones potential. <i>Journal of Chemical Physics</i> , <b>1982</b> , 77, 5058-5064   | 3.9 | 14 |
| 155 | Multicomponent fluid of hard spheres near a wall. <i>Physical Review E</i> , <b>2007</b> , 75, 061201   | 2.4 | 13 |
| 154 | Poiseuille Flow in a Heated Granular Gas. <i>Journal of Statistical Physics</i> , <b>2004</b> , 117, 901-928  | 1.5 | 13 |
| 153 | DSMC evaluation of the Navier-Stokes shear viscosity of a granular fluid. <i>AIP Conference Proceedings</i> , <b>2005</b> ,   | 0   | 13 |
| 152 | Monte Carlo simulation of nonlinear Couette flow in a dilute gas. <i>Physics of Fluids</i> , <b>2000</b> , 12, 3060   | 4.4 | 13 |
| 151 | Mpemba effect in molecular gases under nonlinear drag. <i>Physics of Fluids</i> , <b>2020</b> , 32, 072010  | 4.4 | 13 |



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|-----|---|-----|----|
| 150 | Chemical-potential route for multicomponent fluids. <i>Physical Review E</i> , <b>2013</b> , 87, 052138   | 2.4 | 12 |
| 149 | Thermodynamic consistency of energy and virial routes: an exact proof within the linearized Debye-Hückel theory. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 181105 | 3.9 | 12 |
| 148 | Solutions of the moment hierarchy in the kinetic theory of Maxwell models. <i>Continuum Mechanics and Thermodynamics</i> , <b>2009</b> , 21, 361-387                            | 3.5 | 12 |
| 147 | Hydrodynamics of Inelastic Maxwell Models. <i>Mathematical Modelling of Natural Phenomena</i> , <b>2011</b> , 6, 37-76  | 3   | 12 |
| 146 | Nonlinear heat transport in a dilute gas in the presence of gravitation. <i>Physical Review E</i> , <b>1997</b> , 56, 6729-6734   | 6.4 | 12 |
| 145 | Does the Chapman-Enskog expansion for sheared granular gases converge?. <i>Physical Review Letters</i> , <b>2008</b> , 100, 078003  | 7.4 | 12 |
| 144 | Depletion potential in the infinite dilution limit. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 134507  | 3.9 | 12 |
| 143 | On the radial distribution function of a hard-sphere fluid. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 236102  | 3.9 | 12 |
| 142 | Long wavelength instability for uniform shear flow. <i>Physical Review Letters</i> , <b>1996</b> , 76, 2702-2705  | 7.4 | 12 |
| 141 | Rational-function approximation for fluids interacting via piece-wise constant potentials. <i>Condensed Matter Physics</i> , <b>2012</b> , 15, 23602                            | 1.3 | 12 |
| 140 | On the emergence of large and complex memory effects in nonequilibrium fluids. <i>New Journal of Physics</i> , <b>2019</b> , 21, 033042   | 2.9 | 11 |
| 139 | Structural properties of fluids interacting via piece-wise constant potentials with a hard core. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 074505                 | 3.9 | 11 |
| 138 | Hydrodynamic Burnett equations for inelastic Maxwell models of granular gases. <i>Physical Review E</i> , <b>2014</b> , 89, 052201  | 2.4 | 11 |
| 137 | Depletion force in the infinite-dilution limit in a solvent of nonadditive hard spheres. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 244513                         | 3.9 | 11 |
| 136 | Note: An exact scaling relation for truncatable free energies of polydisperse hard-sphere mixtures. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 136102              | 3.9 | 11 |
| 135 | Molecular dynamics simulation study of self-diffusion for penetrable-sphere model fluids. <i>Physical Review E</i> , <b>2010</b> , 82, 051202                                   | 2.4 | 11 |
| 134 | Class of dilute granular Couette flows with uniform heat flux. <i>Physical Review E</i> , <b>2011</b> , 83, 021302  | 2.4 | 11 |
| 133 | Viscometric effects in a dense hard-sphere fluid. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1997</b> , 240, 229-238                                     | 3.3 | 11 |

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| 132 | Granular mixtures modeled as elastic hard spheres subject to a drag force. <i>Physical Review E</i> , <b>2007</b> , 75, 061306   | 2.4 | 11 |
| 131 | Demixing can occur in binary hard-sphere mixtures with negative nonadditivity. <i>Physical Review E</i> , <b>2005</b> , 72, 010501   | 2.4 | 11 |
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