

# Billy D Todd

## List of Publications by Year in descending order

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132  
papers

4,472  
citations

126907

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h-index

128289

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g-index

138  
all docs

138  
docs citations

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times ranked

2829  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Pressure tensor for inhomogeneous fluids. <i>Physical Review E</i> , 1995, 52, 1627-1638.   | 2.1 | 351       |
| 2  | Departure from Navier-Stokes hydrodynamics in confined liquids. <i>Physical Review E</i> , 1997, 55, 4288-4295.   | 2.1 | 293       |
| 3  | How fast does water flow in carbon nanotubes?. <i>Journal of Chemical Physics</i> , 2013, 138, 094701.  | 3.0 | 240       |
| 4  | Slip length of water on graphene: Limitations of non-equilibrium molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2012, 136, 024705.                                    | 3.0 | 166       |
| 5  | Surface and bulk properties of metals modelled with Sutton-Chen potentials. <i>Surface Science</i> , 1993, 281, 191-206.  | 1.9 | 145       |
| 6  | Thermostating highly confined fluids. <i>Journal of Chemical Physics</i> , 2010, 132, 244706.   | 3.0 | 129       |
| 7  | Homogeneous non-equilibrium molecular dynamics simulations of viscous flow: techniques and applications. <i>Molecular Simulation</i> , 2007, 33, 189-229.                                   | 2.0 | 110       |
| 8  | Slip flow in graphene nanochannels. <i>Journal of Chemical Physics</i> , 2011, 135, 144701.   | 3.0 | 104       |
| 9  | A simple, direct derivation and proof of the validity of the SLLOD equations of motion for generalized homogeneous flows. <i>Journal of Chemical Physics</i> , 2006, 124, 194103.           | 3.0 | 97        |
| 10 | Nonequilibrium Molecular Dynamics Simulations of Planar Elongational Flow with Spatially and Temporally Periodic Boundary Conditions. <i>Physical Review Letters</i> , 1998, 81, 1118-1121. | 7.8 | 86        |
| 11 | Prediction of fluid velocity slip at solid surfaces. <i>Physical Review E</i> , 2011, 84, 016313.   | 2.1 | 86        |
| 12 | Heat flux vector in highly inhomogeneous nonequilibrium fluids. <i>Physical Review E</i> , 1995, 51, 4362-4368.   | 2.1 | 83        |
| 13 | Nonlinear shear and elongational rheology of model polymer melts by non-equilibrium molecular dynamics. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2003, 111, 1-18.                  | 2.4 | 72        |
| 14 | Temperature profile for Poiseuille flow. <i>Physical Review E</i> , 1997, 55, 2800-2807.  | 2.1 | 71        |
| 15 | A study of viscosity inhomogeneity in porous media. <i>Journal of Chemical Physics</i> , 1997, 106, 4684-4695.  | 3.0 | 69        |
| 16 | The heat flux vector for highly inhomogeneous nonequilibrium fluids in very narrow pores. <i>Journal of Chemical Physics</i> , 1995, 103, 9804-9809.  | 3.0 | 62        |
| 17 | Nonlocal Shear Stress for Homogeneous Fluids. <i>Physical Review Letters</i> , 2008, 100, 195901.   | 7.8 | 61        |
| 18 | A new algorithm for unrestricted duration nonequilibrium molecular dynamics simulations of planar elongational flow. <i>Computer Physics Communications</i> , 1999, 117, 191-199.           | 7.5 | 57        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Viscoelastic properties of dendrimers in the melt from nonequilibrium molecular dynamics. Journal of Chemical Physics, 2004, 121, 12050-12059.  | 3.0 | 54        |
| 20 | Viscosity of confined inhomogeneous nonequilibrium fluids. Journal of Chemical Physics, 2004, 121, 10778-10786.   | 3.0 | 51        |
| 21 | Parameterization of the nonlocal viscosity kernel for an atomic fluid. Physical Review E, 2007, 76, 041121.   | 2.1 | 51        |
| 22 | Comparison of planar shear flow and planar elongational flow for systems of small molecules. Journal of Chemical Physics, 2000, 113, 9122-9131.   | 3.0 | 45        |
| 23 | Internal structure of dendrimers in the melt under shear: A molecular dynamics study. Journal of Chemical Physics, 2004, 121, 1091-1096.  | 3.0 | 45        |
| 24 | Electropumping of water with rotating electric fields. Journal of Chemical Physics, 2013, 138, 154712.  | 3.0 | 43        |
| 25 | Molecular simulation of dendrimers and their mixtures under shear: Comparison of isothermal-isobaric (NpT) and isothermal-isochoric (NVT) ensemble systems. Journal of Chemical Physics, 2005, 123, 034905. | 3.0 | 42        |
| 26 | Nonlocal viscous transport and the effect on fluid stress. Physical Review E, 2008, 78, 051202.   | 2.1 | 41        |
| 27 | The stability of nonequilibrium molecular dynamics simulations of elongational flows. Journal of Chemical Physics, 2000, 112, 40-46.  | 3.0 | 40        |
| 28 | A molecular dynamics study of nitric oxide in water: Diffusion and structure. Journal of Chemical Physics, 2005, 123, 054505.   | 3.0 | 40        |
| 29 | Effects of Confinement on the Dielectric Response of Water Extends up to Mesoscale Dimensions. Langmuir, 2016, 32, 4765-4773.   | 3.5 | 38        |
| 30 | Slip of Alkanes Confined between Surfactant Monolayers Adsorbed on Solid Surfaces. Langmuir, 2018, 34, 3864-3873.   | 3.5 | 37        |
| 31 | Analytic dependence of the pressure and energy of an atomic fluid under shear. Physical Review E, 2001, 63, 021204.   | 2.1 | 36        |
| 32 | Interfacial slip friction at a fluid-solid cylindrical boundary. Journal of Chemical Physics, 2012, 136, 244704.  | 3.0 | 35        |
| 33 | Modeling slip and flow enhancement of water in carbon nanotubes. MRS Bulletin, 2017, 42, 283-288.   | 3.5 | 35        |
| 34 | Continuum Nanofluidics. Langmuir, 2015, 31, 13275-13289.  | 3.5 | 33        |
| 35 | Application of transient-time correlation functions to nonequilibrium molecular-dynamics simulations of elongational flow. Physical Review E, 1997, 56, 6723-6728.  | 2.1 | 31        |
| 36 | Nonlinear shear and elongational rheology of model polymer melts at low strain rates. Journal of Non-Newtonian Fluid Mechanics, 2007, 147, 35-44.   | 2.4 | 30        |

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|----|---|-----|-----------|
| 37 | Diffusion of linear polymer melts in shear and extensional flows. <i>Journal of Chemical Physics</i> , 2009, 131, 054904.   | 3.0 | 30        |
| 38 | Molecular Dynamics Study of Nanoconfined Water Flow Driven by Rotating Electric Fields under Realistic Experimental Conditions. <i>Langmuir</i> , 2014, 30, 3095-3109.                | 3.5 | 30        |
| 39 | A technique for the calculation of mass, energy, and momentum densities at planes in molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 1996, 104, 9651-9653.       | 3.0 | 29        |
| 40 | Computer simulation of simple and complex atomistic fluids by nonequilibrium molecular dynamics techniques. <i>Computer Physics Communications</i> , 2001, 142, 14-21.                | 7.5 | 28        |
| 41 | Analysis of the shape of dendrimers under shear. <i>Journal of Chemical Physics</i> , 2006, 124, 044910.  | 3.0 | 28        |
| 42 | Nanoflow hydrodynamics. <i>Physical Review E</i> , 2011, 84, 036311.  | 2.1 | 28        |
| 43 | Equilibrium and nonequilibrium molecular dynamics methods for determining solid-liquid phase coexistence at equilibrium. <i>Journal of Chemical Physics</i> , 2003, 119, 11017-11023. | 3.0 | 26        |
| 44 | Electropumping of Water in Functionalized Carbon Nanotubes Using Rotating Electric Fields. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28158-28165.                           | 3.1 | 26        |
| 45 | Elongational viscosities from nonequilibrium molecular dynamics simulations of oscillatory elongational flow. <i>Journal of Chemical Physics</i> , 1997, 107, 1617-1624.              | 3.0 | 25        |
| 46 | Cell neighbor list method for planar elongational flow: rheology of a diatomic fluid. <i>Computer Physics Communications</i> , 2003, 151, 35-46.                                      | 7.5 | 25        |
| 47 | Kinetics and chemomechanical properties of the F1-ATPase molecular motor. <i>Journal of Chemical Physics</i> , 2003, 118, 9890-9898.  | 3.0 | 25        |
| 48 | Molecular spin in nano-confined fluidic flows. <i>Microfluidics and Nanofluidics</i> , 2009, 6, 785-795.  | 2.2 | 25        |
| 49 | Rotational and spin viscosities of water: Application to nanofluidics. <i>Journal of Chemical Physics</i> , 2010, 133, 144906.  | 3.0 | 25        |
| 50 | Density dependence of the stress relaxation function of a simple fluid. <i>Physical Review E</i> , 2013, 87, .  | 2.1 | 25        |
| 51 | On the relationship between two-body and three-body interactions from nonequilibrium molecular dynamics simulation. <i>Journal of Chemical Physics</i> , 2001, 115, 9410-9413.        | 3.0 | 24        |
| 52 | Scaling behavior for the pressure and energy of shearing fluids. <i>Physical Review E</i> , 2003, 67, 061201.   | 2.1 | 23        |
| 53 | Structural properties of hyperbranched polymers in the melt under shear via nonequilibrium molecular dynamics simulation. <i>Journal of Chemical Physics</i> , 2009, 130, 074901.     | 3.0 | 23        |
| 54 | Structural and dynamical properties for confined polymers undergoing planar Poiseuille flow. <i>Journal of Chemical Physics</i> , 2007, 126, 144907.                                  | 3.0 | 22        |

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|----|--|-----|-----------|
| 55 | Nonlocal viscosity of polymer melts approaching their glassy state. <i>Journal of Chemical Physics</i> , 2010, 133, 144907.  | 3.0 | 22        |
| 56 | Non-Newtonian behavior and molecular structure of Cooee bitumen under shear flow: A non-equilibrium molecular dynamics study. <i>Journal of Chemical Physics</i> , 2015, 142, 244501.      | 3.0 | 22        |
| 57 | Prediction of Kapitza resistance at fluid-solid interfaces. <i>Journal of Chemical Physics</i> , 2019, 151, 194502.  | 3.0 | 21        |
| 58 | A non-local hydrodynamic model for the shear viscosity of confined fluids: analysis of a homogeneous kernel. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 035501. | 2.1 | 20        |
| 59 | A new algorithm for extended nonequilibrium molecular dynamics simulations of mixed flow. <i>Journal of Chemical Physics</i> , 2010, 133, 154116.  | 3.0 | 20        |
| 60 | Flow of water through carbon nanotubes predicted by different atomistic water models. <i>Journal of Chemical Physics</i> , 2019, 150, 194501.  | 3.0 | 20        |
| 61 | Kapitza resistance at water-graphene interfaces. <i>Journal of Chemical Physics</i> , 2020, 152, 224703.   | 3.0 | 20        |
| 62 | On the Arnold cat map and periodic boundary conditions for planar elongational flow. <i>Molecular Physics</i> , 2003, 101, 3445-3454.  | 1.7 | 19        |
| 63 | Rheology of hyperbranched polymer melts undergoing planar Couette flow. <i>Journal of Chemical Physics</i> , 2009, 131, 044902.  | 3.0 | 19        |
| 64 | Computation of thermodynamic and transport properties to predict thermophoretic effects in an argon-krypton mixture. <i>Journal of Chemical Physics</i> , 2013, 139, 144504.               | 3.0 | 19        |
| 65 | A new and effective method for thermostating confined fluids. <i>Journal of Chemical Physics</i> , 2014, 140, 054502.  | 3.0 | 19        |
| 66 | Transient-time correlation function applied to mixed shear and elongational flows. <i>Journal of Chemical Physics</i> , 2012, 136, 064105.   | 3.0 | 18        |
| 67 | Nonequilibrium molecular dynamics simulation of dendrimers and hyperbranched polymer melts undergoing planar elongational flow. <i>Journal of Rheology</i> , 2014, 58, 281-305.            | 2.6 | 18        |
| 68 | Analytical Diffusion Mechanism (ADiM) model combining specular, Knudsen and surface diffusion. <i>Journal of Membrane Science</i> , 2015, 485, 1-9.  | 8.2 | 18        |
| 69 | Brownian dynamics simulations of planar mixed flows of polymer solutions at finite concentrations. <i>Chemical Engineering Science</i> , 2015, 121, 245-257.                               | 3.8 | 18        |
| 70 | Fast transport of water in carbon nanotubes: a review of current accomplishments and challenges. <i>Molecular Simulation</i> , 2021, 47, 905-924.  | 2.0 | 18        |
| 71 | Nanoconfinement Effects on the Kapitza Resistance at Water-CNT Interfaces. <i>Langmuir</i> , 2021, 37, 2355-2361.  | 3.5 | 18        |
| 72 | Porous Aromatic Frameworks Impregnated with Lithiated Fullerenes for Natural Gas Purification. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9347-9354.                              | 3.1 | 17        |

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|----|--|-----|-----------|
| 73 | Energy and pressure of shearing fluids at different state points. <i>Physical Review E</i> , 2001, 64, 021201.   | 2.1 | 16        |
| 74 | Pressure tensor and heat flux vector for inhomogeneous nonequilibrium fluids under the influence of three-body forces. <i>Physical Review E</i> , 2004, 69, 031111.                                      | 2.1 | 16        |
| 75 | Challenges in Nanofluidics—Beyond Navier–Stokes at the Molecular Scale. <i>Processes</i> , 2018, 6, 144.   | 2.8 | 16        |
| 76 | Efficiency of Electropumping in Nanochannels. <i>Nano Letters</i> , 2020, 20, 3396-3402.   | 9.1 | 16        |
| 77 | Viscous properties of isotropic fluids composed of linear molecules: Departure from the classical Navier-Stokes theory in nano-confined geometries. <i>Physical Review E</i> , 2009, 80, 046322.         | 2.1 | 15        |
| 78 | Shear rheology and structural properties of chemically identical dendrimer-linear polymer blends through molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2014, 141, 194905.         | 3.0 | 15        |
| 79 | Molecular simulation of the shear viscosity and the self-diffusion coefficient of mercury along the vapor-liquid coexistence curve. <i>Journal of Chemical Physics</i> , 2005, 123, 034511.              | 3.0 | 14        |
| 80 | Local linear viscoelasticity of confined fluids. <i>Journal of Chemical Physics</i> , 2007, 126, 144706.   | 3.0 | 13        |
| 81 | Linear and nonlinear density response functions for a simple atomic fluid. <i>Journal of Chemical Physics</i> , 2013, 139, 044510.   | 3.0 | 13        |
| 82 | Nonlocal response functions for predicting shear flow of strongly inhomogeneous fluids. I. Sinusoidally driven shear and sinusoidally driven inhomogeneity. <i>Physical Review E</i> , 2015, 91, 062132. | 2.1 | 13        |
| 83 | Viscoelasticity of liquid water investigated using molecular dynamics simulations. <i>Physical Review Fluids</i> , 2019, 4, .  | 2.5 | 13        |
| 84 | Nonlinear response theory for time-periodic elongational flows. <i>Physical Review E</i> , 1998, 58, 4587-4593.  | 2.1 | 12        |
| 85 | Power-law exponents for the shear viscosity of non-Newtonian simple fluids. <i>Physical Review E</i> , 2005, 72, 041204.   | 2.1 | 12        |
| 86 | Allosteric Conformational Transition in Adenylate Kinase: Dynamic Correlations and Implication for Allostery. <i>Australian Journal of Chemistry</i> , 2010, 63, 405.                                    | 0.9 | 12        |
| 87 | Viscosity kernel of molecular fluids: Butane and polymer melts. <i>Physical Review E</i> , 2010, 82, 011801.   | 2.1 | 12        |
| 88 | Porous Aromatic Frameworks Impregnated with Fullerenes for Enhanced Methanol/Water Separation. <i>Langmuir</i> , 2014, 30, 14621-14630.  | 3.5 | 12        |
| 89 | Nonlocal response functions for predicting shear flow of strongly inhomogeneous fluids. II. Sinusoidally driven shear and multisinusoidal inhomogeneity. <i>Physical Review E</i> , 2015, 92, 012108.    | 2.1 | 12        |
| 90 | Measuring heat flux beyond Fourier’s law. <i>Journal of Chemical Physics</i> , 2019, 150, 064103.  | 3.0 | 12        |

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|-----|--|-----|-----------|
| 91  | The strain rate dependence of shear viscosity, pressure and energy from two-body and three-body interactions. <i>Fluid Phase Equilibria</i> , 2001, 183-184, 371-379.  | 2.5 | 11        |
| 92  | Cats, maps and nanoflows: some recent developments in nonequilibrium nanofluidics. <i>Molecular Simulation</i> , 2005, 31, 411-428.  | 2.0 | 11        |
| 93  | Chaotic properties of planar elongational flow and planar shear flow: Lyapunov exponents, conjugate-pairing rule, and phase space contraction. <i>Physical Review E</i> , 2006, 73, 046206.                            | 2.1 | 11        |
| 94  | Molecular dynamics simulation of planar elongational flow at constant pressure and constant temperature. <i>Journal of Chemical Physics</i> , 2007, 126, 044506.   | 3.0 | 11        |
| 95  | Coarse-grained dynamics of the receiver domain of NtrC: Fluctuations, correlations and implications for allosteric cooperativity. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 73, 218-227.         | 2.6 | 11        |
| 96  | Dynamical properties of a confined diatomic fluid undergoing zero mean oscillatory flow: Effect of molecular rotation. <i>Physical Review E</i> , 2008, 77, 066707.  | 2.1 | 11        |
| 97  | A comparison of model linear chain molecules with constrained and flexible bond lengths under planar Couette and extensional flows. <i>Molecular Simulation</i> , 2009, 35, 1153-1167.                                 | 2.0 | 11        |
| 98  | Strategies toward Enhanced Low-Pressure Volumetric Hydrogen Storage in Nanoporous Cryoadsorbents. <i>Langmuir</i> , 2013, 29, 15689-15697.   | 3.5 | 11        |
| 99  | A constitutive framework for the non-Newtonian pressure tensor of a simple fluid under planar flows. <i>Journal of Chemical Physics</i> , 2013, 138, 244508.   | 3.0 | 11        |
| 100 | A molecular dynamics investigation of the planar elongational rheology of chemically identical dendrimer-linear polymer blends. <i>Journal of Chemical Physics</i> , 2015, 142, 174911.                                | 3.0 | 11        |
| 101 | Dynamic and coordinating domain motions in the active subunits of the F1-ATPase molecular motor. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 1553-1560.                               | 2.3 | 10        |
| 102 | Generalized extended Navier-Stokes theory: Correlations in molecular fluids with intrinsic angular momentum. <i>Journal of Chemical Physics</i> , 2013, 138, 034503.   | 3.0 | 10        |
| 103 | Effects of nanoscale density inhomogeneities on shearing fluids. <i>Physical Review E</i> , 2013, 88, 052143.  | 2.1 | 10        |
| 104 | Frequency-Dependent Elongational Viscosity by Nonequilibrium Molecular Dynamics. <i>International Journal of Thermophysics</i> , 1998, 19, 1063-1072.  | 2.1 | 9         |
| 105 | Complex cooperativity of ATP hydrolysis in the F1-ATPase molecular motor. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004, 1698, 197-202.  | 2.3 | 9         |
| 106 | Cooperativity in the motor activities of the ATP-fueled molecular motors. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005, 1752, 111-123.  | 2.3 | 9         |
| 107 | The effect of interbranch spacing on structural and rheological properties of hyperbranched polymer melts. <i>Journal of Chemical Physics</i> , 2009, 131, 164901.   | 3.0 | 9         |
| 108 | Comment on "Molecular simulation and continuum mechanics study of simple fluids in nonisothermal planar Couette flows" [J. Chem. Phys. 107, 2589 (1997)]. <i>Journal of Chemical Physics</i> , 1999, 111, 10730-10731. | 3.0 | 8         |

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|-----|--|-----|-----------|
| 109 | Lyapunov spectra and conjugate-pairing rule for confined atomic fluids. <i>Journal of Chemical Physics</i> , 2010, 132, 244508.  | 3.0 | 8         |
| 110 | An extended analysis of the viscosity kernel for monatomic and diatomic fluids. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 195105.   | 1.8 | 8         |
| 111 | Inducing a Net Positive Flow of Water in Functionalized Concentric Carbon Nanotubes Using Rotating Electric Fields. <i>Langmuir</i> , 2019, 35, 14742-14749.   | 3.5 | 8         |
| 112 | Effects of Electrostatic Interactions on Kapitza Resistance in Hexagonal Boron Nitride-Water Interfaces. <i>Langmuir</i> , 2022, 38, 8783-8793.  | 3.5 | 8         |
| 113 | Mass and Energy Transport Through Slit Pores: Application to Planar Poiseuille Flow. <i>Molecular Simulation</i> , 1996, 17, 317-332.  | 2.0 | 7         |
| 114 | Rotational viscosity of fluids composed of linear molecules: An equilibrium molecular dynamics study. <i>Journal of Chemical Physics</i> , 2008, 128, 224507.  | 3.0 | 7         |
| 115 | Improved methodology to compute the intrinsic friction coefficient at solid-liquid interfaces. <i>Journal of Chemical Physics</i> , 2021, 154, 184707.   | 3.0 | 7         |
| 116 | Equilibrium and nonequilibrium molecular dynamics methods to compute the first normal stress coefficient of a model polymer solution. <i>Physical Review Fluids</i> , 2020, 5, .                             | 2.5 | 7         |
| 117 | Boundary condition independence of molecular dynamics simulations of planar elongational flow. <i>Physical Review E</i> , 2007, 75, 066702.  | 2.1 | 5         |
| 118 | Limits to Auger-electron core-loss electron coincidence spectroscopy. <i>Surface Science</i> , 1992, 278, 193-201.   | 1.9 | 4         |
| 119 | Chaotic properties of isokinetic-isobaric atomic systems under planar shear and elongational flows. <i>Physical Review E</i> , 2008, 77, 056217.   | 2.1 | 4         |
| 120 | Hydrodynamic slip of alkali chloride solutions in uncharged graphene nanochannels. <i>Journal of Chemical Physics</i> , 2022, 156, 014704.   | 3.0 | 4         |
| 121 | Slip and stress from low shear rate nonequilibrium molecular dynamics: The transient-time correlation function technique. <i>Journal of Chemical Physics</i> , 2022, 156, 184111.                            | 3.0 | 4         |
| 122 | Computation of the equilibrium three-particle entropy for dense atomic fluids by molecular dynamics simulation. <i>Journal of Chemical Physics</i> , 2019, 151, 164102.                                      | 3.0 | 3         |
| 123 | Beyond Traditional Effective Intermolecular Potentials and Pairwise Interactions in Molecular Simulation. <i>Lecture Notes in Computer Science</i> , 2002, , 932-941.  | 1.3 | 3         |
| 124 | Electropumping of nanofluidic water by linear and angular momentum coupling: theoretical foundations and molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 25003-25018. | 2.8 | 3         |
| 125 | Generalized hydrodynamics of the Lennard-Jones liquid in view of hidden scale invariance. <i>Physical Review E</i> , 2021, 104, 054126.  | 2.1 | 3         |
| 126 | Deviations From Classical Hydrodynamic Theory in Highly Confined Planar Poiseuille Flow of a Polymer Solution. <i>Computational Methods in Science and Technology</i> , 2017, 23, .                          | 0.3 | 2         |



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|-----|---|-----|-----------|
| 127 | Nonlocal viscosity kernel of mixtures. <i>Physical Review E</i> , 2012, 85, 022201.   | 2.1 | 1         |
| 128 | Ergodicity of a Single Particle Confined in a Nanopore. <i>Journal of Statistical Physics</i> , 2012, 148, 1156-1169.                                   | 1.2 | 1         |
| 129 | Rheology and Structural Properties of Hyperbranched Polymers: a Non-Equilibrium Molecular Dynamics Study. <i>AIP Conference Proceedings</i> , 2008, , . | 0.4 | 0         |
| 130 | Propagation speed of a chemical wave front: effect of confinement. <i>Molecular Simulation</i> , 2009, 35, 186-192.                                     | 2.0 | 0         |
| 131 | Planar mixed flow and chaos: Lyapunov exponents and the conjugate-pairing rule. <i>Journal of Chemical Physics</i> , 2011, 134, 114112.                 | 3.0 | 0         |
| 132 | The phase space distribution of confined fluids under shear is not fractal. <i>Journal of Chemical Physics</i> , 2021, 154, 094116.                     | 3.0 | 0         |