

Denis J Evans

List of Publications by Year in descending order

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207
papers

14,566
citations

28274

55
h-index

19749

117
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223
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223
docs citations

223
times ranked

4747
citing authors

#	ARTICLE	IF	CITATIONS
1	Probability of second law violations in shearing steady states. <i>Physical Review Letters</i> , 1993, 71, 2401-2404.	7.8	1,414
2	The Fluctuation Theorem. <i>Advances in Physics</i> , 2002, 51, 1529-1585.	14.4	760
3	Experimental Demonstration of Violations of the Second Law of Thermodynamics for Small Systems and Short Time Scales. <i>Physical Review Letters</i> , 2002, 89, 050601.	7.8	729
4	Equilibrium microstates which generate second law violating steady states. <i>Physical Review E</i> , 1994, 50, 1645-1648.	2.1	620
5	Non-Newtonian molecular dynamics. <i>Computer Physics Reports</i> , 1984, 1, 297-343.	2.2	553
6	Singularity free algorithm for molecular dynamics simulation of rigid polyatomics. <i>Molecular Physics</i> , 1977, 34, 327-331.	1.7	428
7	On the representation of orientation space. <i>Molecular Physics</i> , 1977, 34, 317-325.	1.7	406
8	Nonequilibrium molecular dynamics via Gauss's principle of least constraint. <i>Physical Review A</i> , 1983, 28, 1016-1021.	2.5	400
9	Direct entropy calculation from computer simulation of liquids. <i>Physical Review A</i> , 1989, 40, 3817-3822.	2.5	381
10	Pressure tensor for inhomogeneous fluids. <i>Physical Review E</i> , 1995, 52, 1627-1638.	2.1	351
11	Nonlinear-response theory for steady planar Couette flow. <i>Physical Review A</i> , 1984, 30, 1528-1530.	2.5	321
12	Homogeneous NEMD algorithm for thermal conductivity—Application of non-canonical linear response theory. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1982, 91, 457-460.	2.1	293
13	Departure from Navier-Stokes hydrodynamics in confined liquids. <i>Physical Review E</i> , 1997, 55, 4288-4295.	2.1	293
14	Lennard-Jones triple-point bulk and shear viscosities. Green-Kubo theory, Hamiltonian mechanics, and nonequilibrium molecular dynamics. <i>Physical Review A</i> , 1980, 22, 1690-1697.	2.5	290
15	Constrained molecular dynamics: Simulations of liquid alkanes with a new algorithm. <i>Journal of Chemical Physics</i> , 1986, 84, 6933-6939.	3.0	256
16	Fluctuations and Irreversibility: An Experimental Demonstration of a Second-Law-Like Theorem Using a Colloidal Particle Held in an Optical Trap. <i>Physical Review Letters</i> , 2004, 92, 140601.	7.8	223
17	Comparison of constant pressure and constant volume nonequilibrium simulations of sheared model decane. <i>Journal of Chemical Physics</i> , 1994, 100, 541-547.	3.0	213
18	Shear Thickening and Turbulence in Simple Fluids. <i>Physical Review Letters</i> , 1986, 56, 2172-2175.	7.8	212

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19	Viscosity of a simple fluid from its maximal Lyapunov exponents. <i>Physical Review A</i> , 1990, 42, 5990-5997.	2.5	193
20	The isothermal/isobaric molecular dynamics ensemble. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983, 98, 433-436.	2.1	166
21	Rheology of n-alkanes by nonequilibrium molecular dynamics. <i>Journal of Chemical Physics</i> , 1987, 86, 4555-4570.	3.0	151
22	Isothermal-isobaric molecular dynamics. <i>Chemical Physics</i> , 1983, 77, 63-66.	1.9	140
23	Rheological properties of simple fluids by computer simulation. <i>Physical Review A</i> , 1981, 23, 1988-1997.	2.5	138
24	Configurational temperature: Verification of Monte Carlo simulations. <i>Journal of Chemical Physics</i> , 1998, 109, 6519-6522.	3.0	131
25	Three-particle contribution to the configurational entropy of simple fluids. <i>Physical Review A</i> , 1990, 42, 849-857.	2.5	118
26	The frequency dependent shear viscosity of methane. <i>Molecular Physics</i> , 1979, 37, 1745-1754.	1.7	113
27	Heat and matter transport in binary liquid mixtures. <i>Physical Review A</i> , 1986, 34, 2133-2142.	2.5	110
28	Isothermal response theory. <i>Molecular Physics</i> , 1985, 54, 629-636.	1.7	99
29	Steady states, invariant measures, and response theory. <i>Physical Review E</i> , 1995, 52, 5839-5848.	2.1	93
30	Computer simulation study of the comparative rheology of branched and linear alkanes. <i>Journal of Chemical Physics</i> , 1992, 97, 616-627.	3.0	92
31	A non-equilibrium free energy theorem for deterministic systems. <i>Molecular Physics</i> , 2003, 101, 1551-1554.	1.7	90
32	Recent developments in non-Newtonian molecular dynamics. <i>Physics Reports</i> , 1998, 305, 1-92.	25.6	87
33	Transport properties of homonuclear diatomics. <i>Molecular Physics</i> , 1978, 36, 161-176.	1.7	83
34	Application of transient correlation functions to shear flow far from equilibrium. <i>Physical Review A</i> , 1987, 35, 792-797.	2.5	83
35	Statistical mechanics of viscous flow in nematic fluids. <i>Journal of Chemical Physics</i> , 1993, 99, 9021-9036.	3.0	83
36	Heat flux vector in highly inhomogeneous nonequilibrium fluids. <i>Physical Review E</i> , 1995, 51, 4362-4368.	2.1	83

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37	Enhanced $3/2$ long-time tail for the stress-stress time correlation function. Journal of Statistical Physics, 1980, 22, 81-90.	1.2	79
38	The rheology of n alkanes: Decane and eicosane. Journal of Chemical Physics, 1991, 94, 7420-7433.	3.0	79
39	A thermodynamics for a system under shear. Journal of Chemical Physics, 1982, 76, 3225-3232.	3.0	78
40	Ensemble dependence of the transient fluctuation theorem. Journal of Chemical Physics, 2000, 113, 3503-3509.	3.0	78
41	Experimental study of the fluctuation theorem in a nonequilibrium steady state. Physical Review E, 2005, 71, 046142.	2.1	78
42	Thermostats for molecular fluids undergoing shear flow: Application to liquid chlorine. Journal of Chemical Physics, 1995, 103, 10638-10651.	3.0	75
43	Fluctuation theorem for stochastic systems. Physical Review E, 1999, 60, 159-164.	2.1	75
44	Temperature profile for Poiseuille flow. Physical Review E, 1997, 55, 2800-2807.	2.1	71
45	New algorithm for constrained molecular-dynamics simulation of liquid benzene and naphthalene. Molecular Physics, 1990, 70, 53-63.	1.7	70
46	Computer simulation algorithms for molecules undergoing planar Couette flow: A nonequilibrium molecular dynamics study. Journal of Chemical Physics, 1995, 103, 1109-1118.	3.0	68
47	The fluctuation theorem and Green's-Kubo relations. Journal of Chemical Physics, 2000, 112, 9727-9735.	3.0	67
48	Application of the Gallavotti-Cohen fluctuation relation to thermostated steady states near equilibrium. Physical Review E, 2005, 71, 056120.	2.1	66
49	Poiseuille flow of molecular fluids. Physica A: Statistical Mechanics and Its Applications, 1997, 240, 315-327.	2.6	63
50	The heat flux vector for highly inhomogeneous nonequilibrium fluids in very narrow pores. Journal of Chemical Physics, 1995, 103, 9804-9809.	3.0	62
51	Isothermal shear-induced heat flow. Physical Review A, 1992, 46, 7593-7600.	2.5	61
52	Causality, response theory, and the second law of thermodynamics. Physical Review E, 1996, 53, 5808-5815.	2.1	60
53	Conjugate-pairing rule and thermal-transport coefficients. Physical Review A, 1992, 45, 2233-2242.	2.5	59
54	The Steady State Fluctuation Relation for the Dissipation Function. Journal of Statistical Physics, 2007, 128, 1337-1363.	1.2	59

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55	On the fluctuation theorem for the dissipation function and its connection with response theory. <i>Journal of Chemical Physics</i> , 2008, 128, 014504.	3.0	58
56	Molecular dynamics simulations of the rheological properties of simple fluids. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1983, 118, 51-68.	2.6	54
57	Comparison of thermostatting mechanisms in NVT and NPT simulations of decane under shear. <i>Journal of Chemical Physics</i> , 2001, 115, 43-49.	3.0	54
58	Thermal conductivity of the Lennard-Jones fluid. <i>Physical Review A</i> , 1986, 34, 1449-1453.	2.5	50
59	On the validity of Fourier's law in systems with spatially varying strain rates. <i>Molecular Physics</i> , 1999, 96, 915-920.	1.7	50
60	Reexamination of string phase and shear thickening in simple fluids. <i>Physical Review E</i> , 2003, 68, 031201.	2.1	50
61	A local fluctuation theorem. <i>Journal of Chemical Physics</i> , 2001, 115, 2033-2037.	3.0	48
62	On the number dependence of viscosity in three dimensional fluids. <i>Molecular Physics</i> , 1989, 68, 637-646.	1.7	47
63	Thermal conductivity in molecular fluids. <i>Molecular Physics</i> , 1989, 68, 1219-1223.	1.7	46
64	Transient-time-correlation functions and the rheology of fluids. <i>Physical Review A</i> , 1988, 38, 4142-4148.	2.5	45
65	Fluctuation theorem for Hamiltonian Systems: Le Chatelier's principle. <i>Physical Review E</i> , 2001, 63, 051105.	2.1	44
66	On the entropy of nonequilibrium states. <i>Journal of Statistical Physics</i> , 1989, 57, 745-758.	1.2	43
67	Field-dependent conductivity and diffusion in a two-dimensional Lorentz gas. <i>Journal of Statistical Physics</i> , 1993, 70, 1085-1098.	1.2	43
68	Equivalence of thermostatted nonlinear responses. <i>Physical Review E</i> , 1993, 48, 65-70.	2.1	43
69	Transport coefficients of liquid butane near the boiling point by equilibrium molecular dynamics. <i>Journal of Chemical Physics</i> , 1995, 103, 4261-4265.	3.0	43
70	Nonequilibrium Molecular-Dynamics Simulation of Couette Flow in Two-Dimensional Fluids. <i>Physical Review Letters</i> , 1983, 51, 1776-1779.	7.8	42
71	Equilibrium time correlation functions under gaussian isothermal dynamics. <i>Chemical Physics</i> , 1984, 87, 451-454.	1.9	42
72	An optical trap experiment to demonstrate fluctuation theorems in viscoelastic media. <i>Journal of Optics</i> , 2007, 9, S204-S214.	1.5	42

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73	The nonsymmetric pressure tensor in polyatomic fluids. <i>Journal of Statistical Physics</i> , 1979, 20, 547-555.	1.2	41
74	Configurational temperature profile in confined fluids. I. Atomic fluid. <i>Journal of Chemical Physics</i> , 2001, 114, 6229-6235.	3.0	41
75	Shear viscosity of a simple fluid over a wide range of strain rates. <i>Molecular Physics</i> , 2002, 100, 2735-2738.	1.7	41
76	Fluctuations Relations for Nonequilibrium Systems. <i>Australian Journal of Chemistry</i> , 2004, 57, 1119.	0.9	41
77	Self-diffusion and heat flow in isotropic and liquid crystal phases of the Gay-Berne fluid. <i>Journal of Chemical Physics</i> , 1993, 99, 620-627.	3.0	40
78	Independence of the transient fluctuation theorem to thermostating details. <i>Physical Review E</i> , 2004, 70, 066113.	2.1	40
79	Nonlinear viscous flow in the Lennard-Jones fluid. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1979, 74, 229-232.	2.1	39
80	Non-equilibrium molecular dynamics study of the rheological properties of diatomic liquids. <i>Molecular Physics</i> , 1981, 42, 1355-1365.	1.7	39
81	Equilibrium fluctuation expressions for the wave-vector- and frequency-dependent shear viscosity. <i>Physical Review A</i> , 1981, 23, 2622-2626.	2.5	39
82	Reversibility in nonequilibrium trajectories of an optically trapped particle. <i>Physical Review E</i> , 2004, 70, 016111.	2.1	38
83	On the nonlinear Born effect. <i>Molecular Physics</i> , 1987, 62, 1357-1369.	1.7	37
84	Linear Response Domain in Glassy Systems. <i>Physical Review Letters</i> , 2006, 96, 015701.	7.8	37
85	Non-equilibrium molecular dynamics calculation of thermal conductivity of flexible molecules: butane. <i>Molecular Physics</i> , 1994, 81, 1289-1295.	1.7	36
86	Nonequilibrium Free-Energy Relations for Thermal Changes. <i>Physical Review Letters</i> , 2008, 100, 250601.	7.8	36
87	Note on the Kaplan-Yorke Dimension and Linear Transport Coefficients. <i>Journal of Statistical Physics</i> , 2000, 101, 17-34.	1.2	35
88	Shear-induced melting of soft-sphere crystals. <i>Physical Review A</i> , 1982, 25, 2788-2792.	2.5	34
89	Nonequilibrium molecular dynamics simulations of heat flow in one-dimensional lattices. <i>Physical Review E</i> , 2000, 61, 3541-3546.	2.1	33
90	Comments on the Entropy of Nonequilibrium Steady States. <i>Journal of Statistical Physics</i> , 2002, 109, 895-920.	1.2	33

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91	A constraint algorithm for the computer simulation of complex molecular liquids. <i>Computer Physics Communications</i> , 1991, 62, 267-278.	7.5	32
92	Dissipation and the relaxation to equilibrium. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P07029.	2.3	32
93	On the generalized hydrodynamics of polyatomic fluids. <i>Molecular Physics</i> , 1976, 32, 1171-1176.	1.7	31
94	On the effects of assuming flow profiles in nonequilibrium simulations. <i>Journal of Chemical Physics</i> , 2003, 119, 11005-11010.	3.0	31
95	Poiseuille flow of a micropolar fluid. <i>Molecular Physics</i> , 2002, 100, 2857-2865.	1.7	30
96	<i>Ab Initio Nonequilibrium Molecular Dynamics in the Solid Superionic Conductor</i> LiBH_4 . <i>Physical Review Letters</i> , 2012, 108, 095901.	7.8	30
97	A comparison of NEMD algorithms for thermal conductivity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1986, 117, 414-416.	2.1	29
98	Addendum to "Heat and matter transport in binary liquid mixtures". <i>Physical Review A</i> , 1987, 36, 948-950.	2.5	29
99	On the Entropy of the Hard Sphere Fluid. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1991, 46, 27-31.	1.5	29
100	The equivalence of Norton and Thâvenin ensembles. <i>Molecular Physics</i> , 1993, 80, 221-224.	1.7	29
101	Configurational temperature profile in confined fluids. II. <i>Molecular fluids. Journal of Chemical Physics</i> , 2001, 114, 6236-6241.	3.0	29
102	Configurational temperature thermostat for fluids undergoing shear flow: application to liquid chlorine. <i>Molecular Physics</i> , 2001, 99, 1825-1829.	1.7	29
103	Computation of the viscosity of a liquid from time averages of stress fluctuations. <i>Physical Review E</i> , 2001, 64, 011207.	2.1	29
104	Correspondence between configurational temperature and molecular kinetic temperature thermostats. <i>Journal of Chemical Physics</i> , 2002, 117, 6016-6021.	3.0	29
105	Fluctuation expressions for fast thermal transport processes: Vortex viscosity. <i>Physical Review A</i> , 1982, 25, 1771-1774.	2.5	28
106	Conformational kinetics in liquid butane by nonequilibrium molecular dynamics. <i>Journal of Chemical Physics</i> , 1987, 87, 5700-5708.	3.0	28
107	New observations regarding deterministic, time-reversible thermostats and Gauss's principle of least constraint. <i>Journal of Chemical Physics</i> , 2005, 122, 194106.	3.0	28
108	Strain rate dependent properties of a simple fluid. <i>Molecular Physics</i> , 1998, 95, 195-202.	1.7	27

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109	On the probability of violations of Fourier's law for heat flow in small systems observed for short times. <i>Journal of Chemical Physics</i> , 2010, 132, 024501.	3.0	27
110	Viscoelasticity in two dimensions. <i>Physical Review A</i> , 1985, 32, 2425-2430.	2.5	25
111	A Parallel Algorithm for Nonequilibrium Molecular Dynamics Simulation of Shear Flow on Distributed Memory Machines. <i>Molecular Simulation</i> , 1994, 13, 375-393.	2.0	25
112	The conjugate-pairing rule for non-Hamiltonian systems. <i>Chaos</i> , 1998, 8, 337-349.	2.5	25
113	Non-Newtonian behavior in simple fluids. <i>Journal of Chemical Physics</i> , 2004, 120, 6117-6123.	3.0	25
114	A generalized heat flow algorithm. <i>Molecular Physics</i> , 1994, 81, 767-779.	1.7	24
115	The Kawasaki identity and the Fluctuation Theorem. <i>Journal of Chemical Physics</i> , 2004, 121, 8179.	3.0	24
116	The specific heat of non-equilibrium steady states. <i>Molecular Physics</i> , 1987, 61, 1151-1159.	1.7	23
117	Comments on thermodynamic integration methods for the determination of nonequilibrium entropy. <i>Molecular Physics</i> , 1991, 74, 353-365.	1.7	23
118	Nonlinear Response for Time-dependent External Fields. <i>Physical Review Letters</i> , 1997, 78, 1199-1202.	7.8	22
119	Transport properties of homonuclear diatomics. <i>Molecular Physics</i> , 1977, 34, 103-112.	1.7	21
120	Molecular Dynamics Simulation of Two Dimensional Flow Past a Plate. <i>Molecular Simulation</i> , 1992, 9, 179-192.	2.0	21
121	Kinetic energy conserving integrators for Gaussian thermostatted SLLOD. <i>Journal of Chemical Physics</i> , 1999, 111, 18-26.	3.0	21
122	Statistical mechanics of time independent nondissipative nonequilibrium states. <i>Journal of Chemical Physics</i> , 2007, 127, 184101.	3.0	20
123	The rheology of solid glass. <i>Journal of Chemical Physics</i> , 2010, 132, .	3.0	20
124	On the nitrogen pair potential. <i>Molecular Physics</i> , 1977, 33, 979-986.	1.7	19
125	Equilibrium and non-equilibrium radial distribution functions in mixtures. <i>Molecular Physics</i> , 1980, 39, 1039-1042.	1.7	19
126	Time-dependent response theory. <i>Molecular Physics</i> , 1988, 64, 521-534.	1.7	19

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127	On Typicality in Nonequilibrium Steady States. <i>Journal of Statistical Physics</i> , 2016, 164, 842-857.	1.2	19
128	Computer simulation of Burnett hydrodynamics. <i>Molecular Physics</i> , 1982, 47, 1165-1170.	1.7	18
129	Numerical study of the steady state fluctuation relations far from equilibrium. <i>Journal of Chemical Physics</i> , 2006, 124, 194102.	3.0	18
130	A proof of Clausius's theorem for time reversible deterministic microscopic dynamics. <i>Journal of Chemical Physics</i> , 2011, 134, 204113.	3.0	18
131	Yamada-Kawasaki distribution function. <i>Physical Review A</i> , 1988, 37, 3605-3608.	2.5	17
132	On the Rheology of <i>n</i> -Eicosane. <i>Molecular Simulation</i> , 1996, 17, 157-164.	2.0	17
133	Equilibrium-fluctuation expression for the resistance of a Norton circuit. <i>Physical Review A</i> , 1985, 31, 3817-3819.	2.5	16
134	Time correlation functions in the stress ensemble. <i>Molecular Physics</i> , 1987, 62, 419-428.	1.7	15
135	Nonlinear shear viscosity in two dimensions. <i>Physical Review A</i> , 1989, 39, 6335-6345.	2.5	15
136	Extremum properties of the Gaussian thermostat. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1994, 208, 191-204.	2.6	15
137	Approach to the non-equilibrium time-periodic state in a steady shear flow model. <i>Molecular Physics</i> , 1998, 95, 219-231.	1.7	15
138	Generalized fluctuation formula. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	15
139	Communication: Beyond Boltzmann's H-theorem: Demonstration of the relaxation theorem for a non-monotonic approach to equilibrium. <i>Journal of Chemical Physics</i> , 2012, 136, 021101.	3.0	15
140	Time-dependent fluctuation theorem. <i>Physical Review E</i> , 2003, 67, 026113.	2.1	14
141	A mathematical proof of the zeroth law of thermodynamics and the nonlinear Fourier law for heat flow. <i>Journal of Chemical Physics</i> , 2012, 137, 194109.	3.0	14
142	Time Reversibility, Correlation Decay and the Steady State Fluctuation Relation for Dissipation. <i>Entropy</i> , 2013, 15, 1503-1515.	2.2	13
143	Symplectic properties of algorithms and simulation methods. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 240, 105-114.	2.6	12
144	Multiple nonequilibrium steady states for one-dimensional heat flow. <i>Physical Review E</i> , 2001, 64, 021102.	2.1	12

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145	The fluctuation theorem and Lyapunov weights. <i>Physica D: Nonlinear Phenomena</i> , 2004, 187, 326-337.	2.8	12
146	Nonlinear Burnett coefficients. <i>Physical Review A</i> , 1988, 38, 5249-5252.	2.5	11
147	Response theory of symmetry restricted interactions. <i>Molecular Physics</i> , 1992, 76, 661-667.	1.7	11
148	The Gaussian thermostat, phase space compression and the conjugate pairing rule. <i>Molecular Physics</i> , 1992, 77, 1209-1216.	1.7	11
149	Self-diffusion of rodlike molecules in strong shear fields. <i>Physical Review E</i> , 1993, 47, 1784-1793.	2.1	11
150	On the Asymptotic Convergence of the Transient and Steady-State Fluctuation Theorems. <i>Journal of Statistical Physics</i> , 1999, 97, 811-815.	1.2	11
151	Asymptotic nonlinear stress tensor in small periodic systems undergoing Couette flow. <i>Physical Review A</i> , 1987, 36, 4119-4122.	2.5	10
152	Nonlinear response for nonautonomous systems. <i>Physical Review E</i> , 1997, 56, 1207-1217.	2.1	10
153	On the wavevector dependent shear viscosity of a simple fluid. <i>Molecular Physics</i> , 1999, 97, 415-422.	1.7	10
154	Isobaric isothermal fluctuation theorem. <i>Journal of Chemical Physics</i> , 2002, 116, 6875-6879.	3.0	10
155	Deterministic derivation of non-equilibrium free energy theorems for natural isothermal isobaric systems. <i>Molecular Physics</i> , 2007, 105, 1059-1066.	1.7	10
156	Negative entropy production in oscillatory processes. <i>Comptes Rendus Physique</i> , 2007, 8, 620-624.	0.9	9
157	Nonequilibrium Dynamics and Umbrella Sampling. <i>Physical Review Letters</i> , 2010, 105, 110601.	7.8	9
158	On the entropy of relaxing deterministic systems. <i>Journal of Chemical Physics</i> , 2011, 135, 194107.	3.0	9
159	Viscous flow in the stress ensemble. <i>Molecular Physics</i> , 1986, 59, 1043-1048.	1.7	8
160	The Kawasaki distribution function for nonautonomous systems. <i>Physical Review E</i> , 1998, 58, 2624-2627.	2.1	8
161	Simulations of the Thermal Conductivity in the Vicinity of the Critical Point. <i>Molecular Simulation</i> , 1998, 20, 385-395.	2.0	8
162	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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163	The glass transition and the Jarzynski equality. <i>Journal of Chemical Physics</i> , 2008, 129, 134504.	3.0	8
164	On violations of Le Chatelier's principle for a temperature change in small systems observed for short times. <i>Journal of Chemical Physics</i> , 2009, 131, 214503.	3.0	8
165	Response theory for confined systems. <i>Journal of Chemical Physics</i> , 2012, 137, 074114.	3.0	8
166	NEMD algorithm for calculating the Raman spectra of dense fluids. <i>Molecular Physics</i> , 1983, 49, 963-972.	1.7	7
167	Test of thermodynamic fluctuation theory for shear flow far from equilibrium. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1984, 101, 100-102.	2.1	7
168	Mass and Energy Transport Through Slit Pores: Application to Planar Poiseuille Flow. <i>Molecular Simulation</i> , 1996, 17, 317-332.	2.0	7
169	The covariant dissipation function for transient nonequilibrium states. <i>Journal of Chemical Physics</i> , 2010, 133, 054507.	3.0	7
170	On the relationship between dissipation and the rate of spontaneous entropy production from linear irreversible thermodynamics. <i>Molecular Simulation</i> , 2014, 40, 208-217.	2.0	7
171	Comment on "Extensions of the molecular dynamics simulation method. II. Isothermal systems". <i>Journal of Chemical Physics</i> , 1984, 81, 3749-3750.	3.0	6
172	Rheology and thermodynamics from nonequilibrium molecular dynamics. <i>International Journal of Thermophysics</i> , 1986, 7, 573-584.	2.1	6
173	Calculation of equilibrium entropy differences from non-equilibrium molecular dynamics simulations. <i>Molecular Physics</i> , 1991, 72, 229-233.	1.7	6
174	Musings on thermostats. <i>Journal of Chemical Physics</i> , 2010, 133, 104106.	3.0	6
175	The Dissipation Function: Its Relationship to Entropy Production, Theorems for Nonequilibrium Systems and Observations on Its Extrema. <i>Understanding Complex Systems</i> , 2014, , 31-47.	0.6	6
176	Number Dependence of Viscosity in Two Dimensional Fluids. <i>Molecular Simulation</i> , 1992, 9, 307-310.	2.0	5
177	Configurational Temperature for Brownian Dynamics. <i>Molecular Simulation</i> , 2001, 26, 147-155.	2.0	5
178	The Fluctuation Theorem and Dissipation Theorem for Poiseuille Flow. <i>Journal of Physics: Conference Series</i> , 2011, 297, 012017.	0.4	5
179	Nonequilibrium Umbrella Sampling and the Functional Crooks Fluctuation Theorem. <i>Journal of Statistical Physics</i> , 2011, 145, 831-840.	1.2	5
180	Heat induced polarization in molecular fluids. <i>Molecular Physics</i> , 1990, 69, 697-702.	1.7	4

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181	NEMD investigation of the rheology of oblate molecules: shear flow in liquid benzene. <i>Molecular Physics</i> , 1990, 71, 835-841.	1.7	4
182	Thermal Conductivity of The Two Dimensional Soft Disk Fluid. <i>Molecular Simulation</i> , 1995, 14, 409-416.	2.0	4
183	Non-equilibrium umbrella sampling applied to force spectroscopy of soft matter. <i>Journal of Chemical Physics</i> , 2012, 136, 054902.	3.0	4
184	The instantaneous fluctuation theorem. <i>Journal of Chemical Physics</i> , 2013, 139, 184106.	3.0	4
185	An algorithm for the computer simulation of four-roller flow. <i>Molecular Physics</i> , 1995, 85, 1151-1158.	1.7	3
186	Relation between two proposed fluctuation theorems. <i>Molecular Simulation</i> , 2005, 31, 389-391.	2.0	3
187	Dissipation in monotonic and non-monotonic relaxation to equilibrium. <i>Journal of Chemical Physics</i> , 2016, 144, 074107.	3.0	3
188	On the validity of Fourier's law in systems with spatially varying strain rates. <i>Molecular Physics</i> , 1999, 96, 915-920.	1.7	3
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