

Denis J Evans

List of Publications by Year in descending order

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207
papers

14,566
citations

32410

55
h-index

22488

117
g-index

223
all docs

223
docs citations

223
times ranked

5468
citing authors

#	ARTICLE	IF	CITATIONS
1	A Derivation of the Gibbs Equation and the Determination of Change in Gibbs Entropy from Calorimetry. Australian Journal of Chemistry, 2016, 69, 1413.	0.5	1
2	Dissipation in monotonic and non-monotonic relaxation to equilibrium. Journal of Chemical Physics, 2016, 144, 074107.	1.2	3
3	Mechanism for asymmetric bias in demonstrations of the NPI and fluctuation theorem. Molecular Simulation, 2016, 42, 531-541.	0.9	1
4	On Typicality in Nonequilibrium Steady States. Journal of Statistical Physics, 2016, 164, 842-857.	0.5	19
5	On the relationship between dissipation and the rate of spontaneous entropy production from linear irreversible thermodynamics. Molecular Simulation, 2014, 40, 208-217.	0.9	7
6	Theoretical Analysis of the Fluctuation Theorem Applied to Electric Circuits. Communications in Theoretical Physics, 2014, 62, 476-484.	1.1	0
7	The Dissipation Function: Its Relationship to Entropy Production, Theorems for Nonequilibrium Systems and Observations on Its Extrema. Understanding Complex Systems, 2014, , 31-47.	0.3	6
8	The instantaneous fluctuation theorem. Journal of Chemical Physics, 2013, 139, 184106.	1.2	4
9	Time Reversibility, Correlation Decay and the Steady State Fluctuation Relation for Dissipation. Entropy, 2013, 15, 1503-1515.	1.1	13
10	Communication: Beyond Boltzmann's H-theorem: Demonstration of the relaxation theorem for a non-monotonic approach to equilibrium. Journal of Chemical Physics, 2012, 136, 021101.	1.2	15
11	<i>Ab Initio</i> Nonequilibrium Molecular Dynamics in the Solid Superionic Conductor LiBH_4 . Physical Review Letters, 2012, 108, 095901.	2.9	30
12	Non-equilibrium umbrella sampling applied to force spectroscopy of soft matter. Journal of Chemical Physics, 2012, 136, 054902.	1.2	4
13	A mathematical proof of the zeroth law of thermodynamics and the nonlinear Fourier law for heat flow. Journal of Chemical Physics, 2012, 137, 194109.	1.2	14
14	Response theory for confined systems. Journal of Chemical Physics, 2012, 137, 074114.	1.2	8
15	The Fluctuation Theorem and Dissipation Theorem for Poiseuille Flow. Journal of Physics: Conference Series, 2011, 297, 012017.	0.3	5
16	Nonequilibrium Umbrella Sampling and the Functional Crooks Fluctuation Theorem. Journal of Statistical Physics, 2011, 145, 831-840.	0.5	5
17	A proof of Clausius' theorem for time reversible deterministic microscopic dynamics. Journal of Chemical Physics, 2011, 134, 204113.	1.2	18
18	On the entropy of relaxing deterministic systems. Journal of Chemical Physics, 2011, 135, 194107.	1.2	9

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19	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.	1.2	27
20	Nonequilibrium Dynamics and Umbrella Sampling. <i>Physical Review Letters</i> , 2010, 105, 110601.	2.9	9
21	The covariant dissipation function for transient nonequilibrium states. <i>Journal of Chemical Physics</i> , 2010, 133, 054507.	1.2	7
22	Musings on thermostats. <i>Journal of Chemical Physics</i> , 2010, 133, 104106.	1.2	6
23	The rheology of solid glass. <i>Journal of Chemical Physics</i> , 2010, 132, .	1.2	20
24	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.	1.2	8
25	Dissipation and the relaxation to equilibrium. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P07029.	0.9	32
26	The glass transition and the Jarzynski equality. <i>Journal of Chemical Physics</i> , 2008, 129, 134504.	1.2	8
27	Nonequilibrium Free-Energy Relations for Thermal Changes. <i>Physical Review Letters</i> , 2008, 100, 250601.	2.9	36
28	On the fluctuation theorem for the dissipation function and its connection with response theory. <i>Journal of Chemical Physics</i> , 2008, 128, 014504.	1.2	58
29	Statistical Mechanics of Time Independent Non-Dissipative Nonequilibrium States. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	1
30	Statistical mechanics of time independent nondissipative nonequilibrium states. <i>Journal of Chemical Physics</i> , 2007, 127, 184101.	1.2	20
31	An optical trap experiment to demonstrate fluctuation theorems in viscoelastic media. <i>Journal of Optics</i> , 2007, 9, S204-S214.	1.5	42
32	Deterministic derivation of non-equilibrium free energy theorems for natural isothermal isobaric systems. <i>Molecular Physics</i> , 2007, 105, 1059-1066.	0.8	10
33	Negative entropy production in oscillatory processes. <i>Comptes Rendus Physique</i> , 2007, 8, 620-624.	0.3	9
34	The Steady State Fluctuation Relation for the Dissipation Function. <i>Journal of Statistical Physics</i> , 2007, 128, 1337-1363.	0.5	59
35	Verification of time-reversibility requirement for systems satisfying the Evans-Searles fluctuation theorem. <i>Pure and Applied Chemistry</i> , 2007, 79, 1361-1368.	0.9	2
36	Linear Response Domain in Glassy Systems. <i>Physical Review Letters</i> , 2006, 96, 015701.	2.9	37

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37	Numerical study of the steady state fluctuation relations far from equilibrium. Journal of Chemical Physics, 2006, 124, 194102.	1.2	18
38	Application of the Gallavotti-Cohen fluctuation relation to thermostated steady states near equilibrium. Physical Review E, 2005, 71, 056120.	0.8	66
39	Relation between two proposed fluctuation theorems. Molecular Simulation, 2005, 31, 389-391.	0.9	3
40	Experimental study of the fluctuation theorem in a nonequilibrium steady state. Physical Review E, 2005, 71, 046142.	0.8	78
41	New observations regarding deterministic, time-reversible thermostats and Gauss's principle of least constraint. Journal of Chemical Physics, 2005, 122, 194106.	1.2	28
42	The Fluctuation Theorem and its Implications for Materials Processing and Modeling. , 2005, , 2773-2776.		0
43	Non-Newtonian behavior in simple fluids. Journal of Chemical Physics, 2004, 120, 6117-6123.	1.2	25
44	Reversibility in nonequilibrium trajectories of an optically trapped particle. Physical Review E, 2004, 70, 016111.	0.8	38
45	The Kawasaki identity and the Fluctuation Theorem. Journal of Chemical Physics, 2004, 121, 8179.	1.2	24
46	The fluctuation theorem and Lyapunov weights. Physica D: Nonlinear Phenomena, 2004, 187, 326-337.	1.3	12
47	Fluctuations and Irreversibility: An Experimental Demonstration of a Second-Law-Like Theorem Using a Colloidal Particle Held in an Optical Trap. Physical Review Letters, 2004, 92, 140601.	2.9	223
48	Independence of the transient fluctuation theorem to thermostating details. Physical Review E, 2004, 70, 066113.	0.8	40
49	Fluctuations Relations for Nonequilibrium Systems. Australian Journal of Chemistry, 2004, 57, 1119.	0.5	41
50	A non-equilibrium free energy theorem for deterministic systems. Molecular Physics, 2003, 101, 1551-1554.	0.8	90
51	Reexamination of string phase and shear thickening in simple fluids. Physical Review E, 2003, 68, 031201.	0.8	50
52	Time-dependent fluctuation theorem. Physical Review E, 2003, 67, 026113.	0.8	14
53	On the effects of assuming flow profiles in nonequilibrium simulations. Journal of Chemical Physics, 2003, 119, 11005-11010.	1.2	31
54	Isobaric isothermal fluctuation theorem. Journal of Chemical Physics, 2002, 116, 6875-6879.	1.2	10

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55	Correspondence between configurational temperature and molecular kinetic temperature thermostats. <i>Journal of Chemical Physics</i> , 2002, 117, 6016-6021.	1.2	29
56	The Fluctuation Theorem. <i>Advances in Physics</i> , 2002, 51, 1529-1585.	35.9	760
57	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.	2.9	729
58	Shear viscosity of a simple fluid over a wide range of strain rates. <i>Molecular Physics</i> , 2002, 100, 2735-2738.	0.8	41
59	Poiseuille flow of a micropolar fluid. <i>Molecular Physics</i> , 2002, 100, 2857-2865.	0.8	30
60	Comments on the Entropy of Nonequilibrium Steady States. <i>Journal of Statistical Physics</i> , 2002, 109, 895-920.	0.5	33
61	Configurational temperature profile in confined fluids. II. Molecular fluids. <i>Journal of Chemical Physics</i> , 2001, 114, 6236-6241.	1.2	29
62	Configurational temperature profile in confined fluids. I. Atomic fluid. <i>Journal of Chemical Physics</i> , 2001, 114, 6229-6235.	1.2	41
63	Configurational Temperature for Brownian Dynamics. <i>Molecular Simulation</i> , 2001, 26, 147-155.	0.9	5
64	Fluctuation theorem for Hamiltonian Systems: Le Chatelier's principle. <i>Physical Review E</i> , 2001, 63, 051105.	0.8	44
65	Configurational temperature thermostat for fluids undergoing shear flow: application to liquid chlorine. <i>Molecular Physics</i> , 2001, 99, 1825-1829.	0.8	29
66	A local fluctuation theorem. <i>Journal of Chemical Physics</i> , 2001, 115, 2033-2037.	1.2	48
67	Comparison of thermostatting mechanisms in NVT and NPT simulations of decane under shear. <i>Journal of Chemical Physics</i> , 2001, 115, 43-49.	1.2	54
68	Computation of the viscosity of a liquid from time averages of stress fluctuations. <i>Physical Review E</i> , 2001, 64, 011207.	0.8	29
69	Multiple nonequilibrium steady states for one-dimensional heat flow. <i>Physical Review E</i> , 2001, 64, 021102.	0.8	12
70	Note on the Kaplan-Yorke Dimension and Linear Transport Coefficients. <i>Journal of Statistical Physics</i> , 2000, 101, 17-34.	0.5	35
71	Generalized fluctuation formula. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	15
72	Ensemble dependence of the transient fluctuation theorem. <i>Journal of Chemical Physics</i> , 2000, 113, 3503-3509.	1.2	78

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73	Nonequilibrium molecular dynamics simulations of heat flow in one-dimensional lattices. <i>Physical Review E</i> , 2000, 61, 3541-3546.	0.8	33
74	The fluctuation theorem and Green's-Kubo relations. <i>Journal of Chemical Physics</i> , 2000, 112, 9727-9735.	1.2	67
75	Fluctuation theorem for stochastic systems. <i>Physical Review E</i> , 1999, 60, 159-164.	0.8	75
76	On the Asymptotic Convergence of the Transient and Steady-State Fluctuation Theorems. <i>Journal of Statistical Physics</i> , 1999, 97, 811-815.	0.5	11
77	Kinetic energy conserving integrators for Gaussian thermostatted SLLOD. <i>Journal of Chemical Physics</i> , 1999, 111, 18-26.	1.2	21
78	On the validity of Fourier's law in systems with spatially varying strain rates. <i>Molecular Physics</i> , 1999, 96, 915-920.	0.8	50
79	On the wavevector dependent shear viscosity of a simple fluid. <i>Molecular Physics</i> , 1999, 97, 415-422.	0.8	10
80	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.	1.2	8
81	Recent developments in non-Newtonian molecular dynamics. <i>Physics Reports</i> , 1998, 305, 1-92.	10.3	87
82	Non-equilibrium molecular dynamics integrators using Maple. <i>Mathematics and Computers in Simulation</i> , 1998, 45, 147-162.	2.4	2
83	Configurational temperature: Verification of Monte Carlo simulations. <i>Journal of Chemical Physics</i> , 1998, 109, 6519-6522.	1.2	131
84	The Kawasaki distribution function for nonautonomous systems. <i>Physical Review E</i> , 1998, 58, 2624-2627.	0.8	8
85	The conjugate-pairing rule for non-Hamiltonian systems. <i>Chaos</i> , 1998, 8, 337-349.	1.0	25
86	Simulations of the Thermal Conductivity in the Vicinity of the Critical Point. <i>Molecular Simulation</i> , 1998, 20, 385-395.	0.9	8
87	Approach to the non-equilibrium time-periodic state in a "steady" shear flow model. <i>Molecular Physics</i> , 1998, 95, 219-231.	0.8	15
88	Strain rate dependent properties of a simple fluid. <i>Molecular Physics</i> , 1998, 95, 195-202.	0.8	27
89	Nonlinear response for nonautonomous systems. <i>Physical Review E</i> , 1997, 56, 1207-1217.	0.8	10
90	Nonlinear Response for Time-dependent External Fields. <i>Physical Review Letters</i> , 1997, 78, 1199-1202.	2.9	22

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91	Temperature profile for Poiseuille flow. Physical Review E, 1997, 55, 2800-2807.	0.8	71
92	Departure from Navier-Stokes hydrodynamics in confined liquids. Physical Review E, 1997, 55, 4288-4295.	0.8	293
93	Symplectic properties of algorithms and simulation methods. Physica A: Statistical Mechanics and Its Applications, 1997, 240, 105-114.	1.2	12
94	Poiseuille flow of molecular fluids. Physica A: Statistical Mechanics and Its Applications, 1997, 240, 315-327.	1.2	63
95	Causality, response theory, and the second law of thermodynamics. Physical Review E, 1996, 53, 5808-5815.	0.8	60
96	Mass and Energy Transport Through Slit Pores: Application to Planar Poiseuille Flow. Molecular Simulation, 1996, 17, 317-332.	0.9	7
97	On the Rheology of <i>n</i> -Eicosane. Molecular Simulation, 1996, 17, 157-164.	0.9	17
98	Pressure tensor for inhomogeneous fluids. Physical Review E, 1995, 52, 1627-1638.	0.8	351
99	Transport coefficients of liquid butane near the boiling point by equilibrium molecular dynamics. Journal of Chemical Physics, 1995, 103, 4261-4265.	1.2	43
100	Steady states, invariant measures, and response theory. Physical Review E, 1995, 52, 5839-5848.	0.8	93
101	Thermostats for molecular fluids undergoing shear flow: Application to liquid chlorine. Journal of Chemical Physics, 1995, 103, 10638-10651.	1.2	75
102	Thermal Conductivity of The Two Dimensional Soft Disk Fluid. Molecular Simulation, 1995, 14, 409-416.	0.9	4
103	An algorithm for the computer simulation of four-roller flow. Molecular Physics, 1995, 85, 1151-1158.	0.8	3
104	Heat flux vector in highly inhomogeneous nonequilibrium fluids. Physical Review E, 1995, 51, 4362-4368.	0.8	83
105	The heat flux vector for highly inhomogeneous nonequilibrium fluids in very narrow pores. Journal of Chemical Physics, 1995, 103, 9804-9809.	1.2	62
106	Computer simulation algorithms for molecules undergoing planar Couette flow: A nonequilibrium molecular dynamics study. Journal of Chemical Physics, 1995, 103, 1109-1118.	1.2	68
107	Non-equilibrium molecular dynamics calculation of thermal conductivity of flexible molecules: butane. Molecular Physics, 1994, 81, 1289-1295.	0.8	36
108	A Parallel Algorithm for Nonequilibrium Molecular Dynamics Simulation of Shear Flow on Distributed Memory Machines. Molecular Simulation, 1994, 13, 375-393.	0.9	25

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109	A generalized heat flow algorithm. <i>Molecular Physics</i> , 1994, 81, 767-779.	0.8	24
110	Comparison of constant pressure and constant volume nonequilibrium simulations of sheared model decane. <i>Journal of Chemical Physics</i> , 1994, 100, 541-547.	1.2	213
111	Response theory analysis of a thermodynamic temperature quench. <i>Molecular Physics</i> , 1994, 83, 9-17.	0.8	2
112	Extremum properties of the Gaussian thermostat. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1994, 208, 191-204.	1.2	15
113	Equilibrium microstates which generate second law violating steady states. <i>Physical Review E</i> , 1994, 50, 1645-1648.	0.8	620
114	Field-dependent conductivity and diffusion in a two-dimensional Lorentz gas. <i>Journal of Statistical Physics</i> , 1993, 70, 1085-1098.	0.5	43
115	Probability of second law violations in shearing steady states. <i>Physical Review Letters</i> , 1993, 71, 2401-2404.	2.9	1,414
116	Heat-induced polarization of molecular fluids: addendum. <i>Molecular Physics</i> , 1993, 80, 219-220.	0.8	1
117	The equivalence of Norton and Thövenin ensembles. <i>Molecular Physics</i> , 1993, 80, 221-224.	0.8	29
118	Equivalence of thermostatted nonlinear responses. <i>Physical Review E</i> , 1993, 48, 65-70.	0.8	43
119	Self-diffusion of rodlike molecules in strong shear fields. <i>Physical Review E</i> , 1993, 47, 1784-1793.	0.8	11
120	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.	1.2	40
121	Statistical mechanics of viscous flow in nematic fluids. <i>Journal of Chemical Physics</i> , 1993, 99, 9021-9036.	1.2	83
122	Isothermal shear-induced heat flow. <i>Physical Review A</i> , 1992, 46, 7593-7600.	1.0	61
123	Conjugate-pairing rule and thermal-transport coefficients. <i>Physical Review A</i> , 1992, 45, 2233-2242.	1.0	59
124	Response theory of symmetry restricted interactions. <i>Molecular Physics</i> , 1992, 76, 661-667.	0.8	11
125	Molecular Dynamics Simulation of Two Dimensional Flow Past a Plate. <i>Molecular Simulation</i> , 1992, 9, 179-192.	0.9	21
126	The Gaussian thermostat, phase space compression and the conjugate pairing rule. <i>Molecular Physics</i> , 1992, 77, 1209-1216.	0.8	11

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127	Number Dependence of Viscosity in Two Dimensional Fluids. <i>Molecular Simulation</i> , 1992, 9, 307-310.	0.9	5
128	Computer simulation study of the comparative rheology of branched and linear alkanes. <i>Journal of Chemical Physics</i> , 1992, 97, 616-627.	1.2	92
129	Calculation of equilibrium entropy differences from non-equilibrium molecular dynamics simulations. <i>Molecular Physics</i> , 1991, 72, 229-233.	0.8	6
130	The rheology of n alkanes: Decane and eicosane. <i>Journal of Chemical Physics</i> , 1991, 94, 7420-7433.	1.2	79
131	Comments on thermodynamic integration methods for the determination of nonequilibrium entropy. <i>Molecular Physics</i> , 1991, 74, 353-365.	0.8	23
132	On the Entropy of the Hard Sphere Fluid. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1991, 46, 27-31.	0.7	29
133	A constraint algorithm for the computer simulation of complex molecular liquids. <i>Computer Physics Communications</i> , 1991, 62, 267-278.	3.0	32
134	Heat induced polarization in molecular fluids. <i>Molecular Physics</i> , 1990, 69, 697-702.	0.8	4
135	Nonlinear Response Theory and Rheology. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1990, 94, 246-249.	0.9	0
136	Three-particle contribution to the configurational entropy of simple fluids. <i>Physical Review A</i> , 1990, 42, 849-857.	1.0	118
137	NEMD investigation of the rheology of oblate molecules: shear flow in liquid benzene. <i>Molecular Physics</i> , 1990, 71, 835-841.	0.8	4
138	Numerical test of the Kawasaki distribution function. <i>Molecular Physics</i> , 1990, 70, 347-351.	0.8	1
139	Viscosity of a simple fluid from its maximal Lyapunov exponents. <i>Physical Review A</i> , 1990, 42, 5990-5997.	1.0	193
140	New algorithm for constrained molecular-dynamics simulation of liquid benzene and naphthalene. <i>Molecular Physics</i> , 1990, 70, 53-63.	0.8	70
141	The Microscopic Connection. , 1990, , 33-76.		1
142	Towards a Thermodynamics of Steady States. , 1990, , 251-296.		1
143	Linear Response Theory. , 1990, , 95-119.		0
144	Computer Simulation Algorithms. , 1990, , 121-168.		2

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145	Non-Equilibrium Statistical Mechanics and Molecular Dynamics Computations. , 1990, , 125-154.		0
146	On the number dependence of viscosity in three dimensional fluids. Molecular Physics, 1989, 68, 637-646.	0.8	47
147	Nonlinear shear viscosity in two dimensions. Physical Review A, 1989, 39, 6335-6345.	1.0	15
148	Thermal conductivity in molecular fluids. Molecular Physics, 1989, 68, 1219-1223.	0.8	46
149	On the entropy of nonequilibrium states. Journal of Statistical Physics, 1989, 57, 745-758.	0.5	43
150	Direct entropy calculation from computer simulation of liquids. Physical Review A, 1989, 40, 3817-3822.	1.0	381
151	Time-dependent response theory. Molecular Physics, 1988, 64, 521-534.	0.8	19
152	Yamada-Kawasaki distribution function. Physical Review A, 1988, 37, 3605-3608.	1.0	17
153	Nonlinear Burnett coefficients. Physical Review A, 1988, 38, 5249-5252.	1.0	11
154	Transient-time-correlation functions and the rheology of fluids. Physical Review A, 1988, 38, 4142-4148.	1.0	45
155	Addendum to "Heat and matter transport in binary liquid mixtures". Physical Review A, 1987, 36, 948-950.	1.0	29
156	Asymptotic nonlinear stress tensor in small periodic systems undergoing Couette flow. Physical Review A, 1987, 36, 4119-4122.	1.0	10
157	Rheology of n-alkanes by nonequilibrium molecular dynamics. Journal of Chemical Physics, 1987, 86, 4555-4570.	1.2	151
158	Application of transient correlation functions to shear flow far from equilibrium. Physical Review A, 1987, 35, 792-797.	1.0	83
159	The specific heat of non-equilibrium steady states. Molecular Physics, 1987, 61, 1151-1159.	0.8	23
160	Conformational kinetics in liquid butane by nonequilibrium molecular dynamics. Journal of Chemical Physics, 1987, 87, 5700-5708.	1.2	28
161	Time correlation functions in the stress ensemble. Molecular Physics, 1987, 62, 419-428.	0.8	15
162	On the nonlinear Born effect. Molecular Physics, 1987, 62, 1357-1369.	0.8	37

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163	Shear Thickening and Turbulence in Simple Fluids. <i>Physical Review Letters</i> , 1986, 56, 2172-2175.	2.9	212
164	Heat and matter transport in binary liquid mixtures. <i>Physical Review A</i> , 1986, 34, 2133-2142.	1.0	110
165	Thermal conductivity of the Lennard-Jones fluid. <i>Physical Review A</i> , 1986, 34, 1449-1453.	1.0	50
166	A comparison of NEMD algorithms for thermal conductivity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1986, 117, 414-416.	0.9	29
167	Rheology and thermodynamics from nonequilibrium molecular dynamics. <i>International Journal of Thermophysics</i> , 1986, 7, 573-584.	1.0	6
168	Constrained molecular dynamics: Simulations of liquid alkanes with a new algorithm. <i>Journal of Chemical Physics</i> , 1986, 84, 6933-6939.	1.2	256
169	Computation of dielectric constants for condensed phases. <i>Physical Review A</i> , 1986, 33, 1408-1410.	1.0	2
170	Viscous flow in the stress ensemble. <i>Molecular Physics</i> , 1986, 59, 1043-1048.	0.8	8
171	Isothermal response theory. <i>Molecular Physics</i> , 1985, 54, 629-636.	0.8	99
172	Equilibrium-fluctuation expression for the resistance of a Norton circuit. <i>Physical Review A</i> , 1985, 31, 3817-3819.	1.0	16
173	Viscoelasticity in two dimensions. <i>Physical Review A</i> , 1985, 32, 2425-2430.	1.0	25
174	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.	0.9	7
175	Equilibrium time correlation functions under gaussian isothermal dynamics. <i>Chemical Physics</i> , 1984, 87, 451-454.	0.9	42
176	Non-Newtonian molecular dynamics. <i>Computer Physics Reports</i> , 1984, 1, 297-343.	2.3	553
177	Nonlinear-response theory for steady planar Couette flow. <i>Physical Review A</i> , 1984, 30, 1528-1530.	1.0	321
178	Comment on "Extensions of the molecular dynamics simulation method. II. Isothermal systems". <i>Journal of Chemical Physics</i> , 1984, 81, 3749-3750.	1.2	6
179	Isothermal-isobaric molecular dynamics. <i>Chemical Physics</i> , 1983, 77, 63-66.	0.9	140
180	Molecular dynamics simulations of the rheological properties of simple fluids. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1983, 118, 51-68.	1.2	54

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181	The isothermal/isobaric molecular dynamics ensemble. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983, 98, 433-436.	0.9	166
182	Nonequilibrium Molecular-Dynamics Simulation of Couette Flow in Two-Dimensional Fluids. <i>Physical Review Letters</i> , 1983, 51, 1776-1779.	2.9	42
183	Nonequilibrium molecular dynamics via Gauss's principle of least constraint. <i>Physical Review A</i> , 1983, 28, 1016-1021.	1.0	400
184	NEMD algorithm for calculating the Raman spectra of dense fluids. <i>Molecular Physics</i> , 1983, 49, 963-972.	0.8	7
185	Shear-induced melting of soft-sphere crystals. <i>Physical Review A</i> , 1982, 25, 2788-2792.	1.0	34
186	A thermodynamics for a system under shear. <i>Journal of Chemical Physics</i> , 1982, 76, 3225-3232.	1.2	78
187	Fluctuation expressions for fast thermal transport processes: Vortex viscosity. <i>Physical Review A</i> , 1982, 25, 1771-1774.	1.0	28
188	Computer simulation of Burnett hydrodynamics. <i>Molecular Physics</i> , 1982, 47, 1165-1170.	0.8	18
189	Molecular dynamic simulations of systems undergoing shear. <i>Advances in Colloid and Interface Science</i> , 1982, 17, 51-60.	7.0	0
190	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.	0.9	293
191	Non-equilibrium molecular dynamics study of the rheological properties of diatomic liquids. <i>Molecular Physics</i> , 1981, 42, 1355-1365.	0.8	39
192	On the coupling of kinetic and potential contributions to transverse collective modes in fluids. <i>Molecular Physics</i> , 1981, 42, 231-234.	0.8	2
193	Equilibrium fluctuation expressions for the wave-vector- and frequency-dependent shear viscosity. <i>Physical Review A</i> , 1981, 23, 2622-2626.	1.0	39
194	Rheological properties of simple fluids by computer simulation. <i>Physical Review A</i> , 1981, 23, 1988-1997.	1.0	138
195	Equilibrium and non-equilibrium radial distribution functions in mixtures. <i>Molecular Physics</i> , 1980, 39, 1039-1042.	0.8	19
196	Enhanced $t^{3/2}$ long-time tail for the stress-stress time correlation function. <i>Journal of Statistical Physics</i> , 1980, 22, 81-90.	0.5	79
197	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.	1.0	290
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