Denis J Evans

List of Publications by Year
in descending order

207 papers	14,566 citations	28274 55 h-index	19749 117 g-index
223 all docs	223 docs citations	223 times ranked	4747 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.	0.9	1
2	Dissipation in monotonic and non-monotonic relaxation to equilibrium. Journal of Chemical Physics, 2016, 144, 074107.	3.0	3
3	Mechanism for asymmetric bias in demonstrations of the NPI and fluctuation theorem. Molecular Simulation, 2016, 42, 531-541.	2.0	1
4	On Typicality in Nonequilibrium Steady States. Journal of Statistical Physics, 2016, 164, 842-857.	1.2	19
5	On the relationship between dissipation and the rate of spontaneous entropy production from linear irreversible thermodynamics. Molecular Simulation, 2014, 40, 208-217.	2.0	7
6	Theoretical Analysis of the Fluctuation Theorem Applied to Electric Circuits. Communications in Theoretical Physics, 2014, 62, 476-484.	2.5	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.	0.6	6
8	The instantaneous fluctuation theorem. Journal of Chemical Physics, 2013, 139, 184106.	3.0	4
9	Time Reversibility, Correlation Decay and the Steady State Fluctuation Relation for Dissipation. Entropy, 2013, 15, 1503-1515.	2.2	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.	3.0	15
11	AbÂinitioNonequilibrium Molecular Dynamics in the Solid Superionic Conductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>LiBH</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2012, 108, 095901.	7.8	30
12	Non-equilibrium umbrella sampling applied to force spectroscopy of soft matter. Journal of Chemical Physics, 2012, 136, 054902.	3.0	4
13	A mathematical proof of the zeroth â€œlawâ€•of thermodynamics and the nonlinear Fourier â€œlawâ€•for heat flow. Journal of Chemical Physics, 2012, 137, 194109.	3.0	14
14	Response theory for confined systems. Journal of Chemical Physics, 2012, 137, 074114.	3.0	8
15	The Fluctuation Theorem and Dissipation Theorem for Poiseuille Flow. Journal of Physics: Conference Series, 2011, 297, 012017.	0.4	5
16	Nonequilibrium Umbrella Sampling and the Functional Crooks Fluctuation Theorem. Journal of Statistical Physics, 2011, 145, 831-840.	1.2	5
17	A proof of Clausiusâ€™ theorem for time reversible deterministic microscopic dynamics. Journal of Chemical Physics, 2011, 134, 204113.	3.0	18
18	On the entropy of relaxing deterministic systems. Journal of Chemical Physics, 2011, 135, 194107.	3.0	9

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19	On the probability of violations of Fourierâ€™s law for heat flow in small systems observed for short times. Journal of Chemical Physics, 2010, 132, 024501.	3.0	27
20	Nonequilibrium Dynamics and Umbrella Sampling. Physical Review Letters, 2010, 105, 110601.	7.8	9
21	The covariant dissipation function for transient nonequilibrium states. Journal of Chemical Physics, 2010, 133, 054507.	3.0	7
22	Musings on thermostats. Journal of Chemical Physics, 2010, 133, 104106.	3.0	6
23	The rheology of solid glass. Journal of Chemical Physics, 2010, 132, .	3.0	20
24	On violations of Le Chatelierâ€™s principle for a temperature change in small systems observed for short times. Journal of Chemical Physics, 2009, 131, 214503.	3.0	8
25	Dissipation and the relaxation to equilibrium. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P07029.	2.3	32
26	The glass transition and the Jarzynski equality. Journal of Chemical Physics, 2008, 129, 134504.	3.0	8
27	Nonequilibrium Free-Energy Relations for Thermal Changes. Physical Review Letters, 2008, 100, 250601.	7.8	36
28	On the fluctuation theorem for the dissipation function and its connection with response theory. Journal of Chemical Physics, 2008, 128, 014504.	3.0	58
29	Statistical Mechanics of Time Independent Non-Dissipative Nonequilibrium States. AIP Conference Proceedings, 2008, , .	0.4	1
30	Statistical mechanics of time independent nondissipative nonequilibrium states. Journal of Chemical Physics, 2007, 127, 184101.	3.0	20
31	An optical trap experiment to demonstrate fluctuation theorems in viscoelastic media. Journal of Optics, 2007, 9, S204-S214.	1.5	42
32	Deterministic derivation of non-equilibrium free energy theorems for natural isothermal isobaric systems. Molecular Physics, 2007, 105, 1059-1066.	1.7	10
33	Negative entropy production in oscillatory processes. Comptes Rendus Physique, 2007, 8, 620-624.	0.9	9
34	The Steady State Fluctuation Relation for the Dissipation Function. Journal of Statistical Physics, 2007, 128, 1337-1363.	1.2	59
35	Verification of time-reversibility requirementfor systems satisfying the Evans-Searles fluctuation theorem. Pure and Applied Chemistry, 2007, 79, 1361-1368.	1.9	2
36	Linear Response Domain in Glassy Systems. Physical Review Letters, 2006, 96, 015701.	7.8	37

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37	Numerical study of the steady state fluctuation relations far from equilibrium. Journal of Chemical Physics, 2006, 124, 194102.	3.0	18
38	Application of the Gallavotti-Cohen fluctuation relation to thermostated steady states near equilibrium. Physical Review E, 2005, 71, 056120.	2.1	66
39	Relation between two proposed fluctuation theorems. Molecular Simulation, 2005, 31, 389-391.	2.0	3
40	Experimental study of the fluctuation theorem in a nonequilibrium steady state. Physical Review E, 2005, 71, 046142.	2.1	78
41	New observations regarding deterministic, time-reversible thermostats and Gaussâ€™s principle of least constraint. Journal of Chemical Physics, 2005, 122, 194106.	3.0	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.	3.0	25
44	Reversibility in nonequilibrium trajectories of an optically trapped particle. Physical Review E, 2004, 70, 016111.	2.1	38
45	The Kawasaki identity and the Fluctuation Theorem. Journal of Chemical Physics, 2004, 121, 8179.	3.0	24
46	The fluctuation theorem and Lyapunov weights. Physica D: Nonlinear Phenomena, 2004, 187, 326-337.	2.8	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.	7.8	223
48	Independence of the transient fluctuation theorem to thermostatting details. Physical Review E, 2004, 70, 066113.	2.1	40
49	Fluctuations Relations for Nonequilibrium Systems. Australian Journal of Chemistry, 2004, 57, 1119.	0.9	41
50	A non-equilibrium free energy theorem for deterministic systems. Molecular Physics, 2003, 101, 1551-1554.	1.7	90
51	Reexamination of string phase and shear thickening in simple fluids. Physical Review E, 2003, 68, 031201.	2.1	50
52	Time-dependent fluctuation theorem. Physical Review E, 2003, 67, 026113.	2.1	14
53	On the effects of assuming flow profiles in nonequilibrium simulations. Journal of Chemical Physics, 2003, 119, 11005-11010.	3.0	31
54	Isobaricâ€“isothermal fluctuation theorem. Journal of Chemical Physics, 2002, 116, 6875-6879.	3.0	10

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55	Correspondence between configurational temperature and molecular kinetic temperature thermostats. Journal of Chemical Physics, 2002, 117, 6016-6021.	3.0	29
56	The Fluctuation Theorem. Advances in Physics, 2002, 51, 1529-1585.	14.4	760
57	Experimental Demonstration of Violations of the Second Law of Thermodynamics for Small Systems and Short Time Scales. Physical Review Letters, 2002, 89, 050601.	7.8	729
58	Shear viscosity of a simple fluid over a wide range of strain rates. Molecular Physics, 2002, 100, 2735-2738.	1.7	41
59	Poiseuille flow of a micropolar fluid. Molecular Physics, 2002, 100, 2857-2865.	1.7	30
60	Comments on the Entropy of Nonequilibrium Steady States. Journal of Statistical Physics, 2002, 109, 895-920.	1.2	33
61	Configurational temperature profile in confined fluids. II. Molecular fluids. Journal of Chemical Physics, 2001, 114, 6236-6241.	3.0	29
62	Configurational temperature profile in confined fluids. I. Atomic fluid. Journal of Chemical Physics, 2001, 114, 6229-6235.	3.0	41
63	Configurational Temperature for Brownian Dynamics. Molecular Simulation, 2001, 26, 147-155.	2.0	5
64	Fluctuation theorem for Hamiltonian Systems: Le Chatelierâ€™s principle. Physical Review E, 2001, 63, 051105.	2.1	44
65	Configurational temperature thermostat for fluids undergoing shear flow: application to liquid chlorine. Molecular Physics, 2001, 99, 1825-1829.	1.7	29
66	A local fluctuation theorem. Journal of Chemical Physics, 2001, 115, 2033-2037.	3.0	48
67	Comparison of thermostatting mechanisms in NVT and NPT simulations of decane under shear. Journal of Chemical Physics, 2001, 115, 43-49.	3.0	54
68	Computation of the viscosity of a liquid from time averages of stress fluctuations. Physical Review E, 2001, 64, 011207.	2.1	29
69	Multiple nonequilibrium steady states for one-dimensional heat flow. Physical Review E, 2001, 64, 021102.	2.1	12
70	Note on the Kaplanâ€“Yorke Dimension and Linear Transport Coefficients. Journal of Statistical Physics, 2000, 101, 17-34.	1.2	35
71	Generalized fluctuation formula. AIP Conference Proceedings, 2000, , .	0.4	15
72	Ensemble dependence of the transient fluctuation theorem. Journal of Chemical Physics, 2000, 113, 3503-3509.	3.0	78

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73	Nonequilibrium molecular dynamics simulations of heat flow in one-dimensional lattices. Physical Review E, 2000, 61, 3541-3546.	2.1	33
74	The fluctuation theorem and Greenâ€“Kubo relations. Journal of Chemical Physics, 2000, 112, 9727-9735.	3.0	67
75	Fluctuation theorem for stochastic systems. Physical Review E, 1999, 60, 159-164.	2.1	75
76	On the Asymptotic Convergence of the Transient and Steady-State Fluctuation Theorems. Journal of Statistical Physics, 1999, 97, 811-815.	1.2	11
77	Kinetic energy conserving integrators for Gaussian thermostatted SLLOD. Journal of Chemical Physics, 1999, 111, 18-26.	3.0	21
78	On the validity of Fourier's law in systems with spatially varying strain rates. Molecular Physics, 1999, 96, 915-920.	1.7	50
79	On the wavevector dependent shear viscosity of a simple fluid. Molecular Physics, 1999, 97, 415-422.	1.7	10
80	Comment on â€œMolecular simulation and continuum mechanics study of simple fluids in nonisothermal planar Couette flowsâ€•[J. Chem. Phys. 107, 2589 (1997)]. Journal of Chemical Physics, 1999, 111, 10730-10731.	3.0	8
81	On the validity of Fourier's law in systems with spatially varying strain rates. Molecular Physics, 1999, 96, 915-920.	1.7	3
82	Recent developments in non-Newtonian molecular dynamics. Physics Reports, 1998, 305, 1-92.	25.6	87
83	Non-equilibrium molecular dynamics integrators using Maple. Mathematics and Computers in Simulation, 1998, 45, 147-162.	4.4	2
84	Configurational temperature: Verification of Monte Carlo simulations. Journal of Chemical Physics, 1998, 109, 6519-6522.	3.0	131
85	The Kawasaki distribution function for nonautonomous systems. Physical Review E, 1998, 58, 2624-2627.	2.1	8
86	The conjugate-pairing rule for non-Hamiltonian systems. Chaos, 1998, 8, 337-349.	2.5	25
87	Simulations of the Thermal Conductivity in the Vicinity of the Critical Point. Molecular Simulation, 1998, 20, 385-395.	2.0	8
88	Approach to the non-equilibrium time-periodic state in a â€˜steadyâ€™ shear flow model. Molecular Physics, 1998, 95, 219-231.	1.7	15
89	Strain rate dependent properties of a simple fluid. Molecular Physics, 1998, 95, 195-202.	1.7	27
90	Nonlinear response for nonautonomous systems. Physical Review E, 1997, 56, 1207-1217.	2.1	10

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91	Nonlinear Response for Time-dependent External Fields. Physical Review Letters, 1997, 78, 1199-1202.	7.8	22
92	Temperature profile for Poiseuille flow. Physical Review E, 1997, 55, 2800-2807.	2.1	71
93	Departure from Navier-Stokes hydrodynamics in confined liquids. Physical Review E, 1997, 55, 4288-4295.	2.1	293
94	Symplectic properties of algorithms and simulation methods. Physica A: Statistical Mechanics and Its Applications, 1997, 240, 105-114.	2.6	12
95	Poiseuille flow of molecular fluids. Physica A: Statistical Mechanics and Its Applications, 1997, 240, 315-327.	2.6	63
96	Causality, response theory, and the second law of thermodynamics. Physical Review E, 1996, 53, 5808-5815.	2.1	60
97	Mass and Energy Transport Through Slit Pores: Application to Planar Poiseuille Flow. Molecular Simulation, 1996, 17, 317-332.	2.0	7
98	On the Rheology ofn-Eicosane. Molecular Simulation, 1996, 17, 157-164.	2.0	17
99	Pressure tensor for inhomogeneous fluids. Physical Review E, 1995, 52, 1627-1638.	2.1	351
100	Transport coefficients of liquid butane near the boiling point by equilibrium molecular dynamics. Journal of Chemical Physics, 1995, 103, 4261-4265.	3.0	43
101	Steady states, invariant measures, and response theory. Physical Review E, 1995, 52, 5839-5848.	2.1	93
102	Thermostats for molecular fluids undergoing shear flow: Application to liquid chlorine. Journal of Chemical Physics, 1995, 103, 10638-10651.	3.0	75
103	Thermal Conductivity of The Two Dimensional Soft Disk Fluid. Molecular Simulation, 1995, 14, 409-416.	2.0	4
104	An algorithm for the computer simulation of four-roller flow. Molecular Physics, 1995, 85, 1151-1158.	1.7	3
105	Heat flux vector in highly inhomogeneous nonequilibrium fluids. Physical Review E, 1995, 51, 4362-4368.	2.1	83
106	The heat flux vector for highly inhomogeneous nonequilibrium fluids in very narrow pores. Journal of Chemical Physics, 1995, 103, 9804-9809.	3.0	62
107	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
108	Non-equilibrium molecular dynamics calculation of thermal conductivity of flexible molecules: butane. Molecular Physics, 1994, 81, 1289-1295.	1.7	36

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109	A Parallel Algorithm for Nonequilibrium Molecular Dynamics Simulation of Shear Flow on Distributed Memory Machines. Molecular Simulation, 1994, 13, 375-393.	2.0	25
110	A generalized heat flow algorithm. Molecular Physics, 1994, 81, 767-779.	1.7	24
111	Comparison of constant pressure and constant volume nonequilibrium simulations of sheared model decane. Journal of Chemical Physics, 1994, 100, 541-547.	3.0	213
112	Response theory analysis of a thermodynamic temperature quench. Molecular Physics, 1994, 83, 9-17.	1.7	2
113	Extremum properties of the Gaussian thermostat. Physica A: Statistical Mechanics and Its Applications, 1994, 208, 191-204.	2.6	15
114	Equilibrium microstates which generate second law violating steady states. Physical Review E, 1994, 50, 1645-1648.	2.1	620
115	Field-dependent conductivity and diffusion in a two-dimensional Lorentz gas. Journal of Statistical Physics, 1993, 70, 1085-1098.	1.2	43
116	Probability of second law violations in shearing steady states. Physical Review Letters, 1993, 71, 2401-2404.	7.8	1,414
117	Heat-induced polarization of molecular fluids: addendum. Molecular Physics, 1993, 80, 219-220.	1.7	1
118	The equivalence of Norton and ThÃ©venin ensembles. Molecular Physics, 1993, 80, 221-224.	1.7	29
119	Equivalence of thermostatted nonlinear responses. Physical Review E, 1993, 48, 65-70.	2.1	43
120	Self-diffusion of rodlike molecules in strong shear fields. Physical Review E, 1993, 47, 1784-1793.	2.1	11
121	Selfâ€diffusion and heat flow in isotropic and liquid crystal phases of the Gayâ€“Berne fluid. Journal of Chemical Physics, 1993, 99, 620-627.	3.0	40
122	Statistical mechanics of viscous flow in nematic fluids. Journal of Chemical Physics, 1993, 99, 9021-9036.	3.0	83
123	Isothermal shear-induced heat flow. Physical Review A, 1992, 46, 7593-7600.	2.5	61
124	Conjugate-pairing rule and thermal-transport coefficients. Physical Review A, 1992, 45, 2233-2242.	2.5	59
125	Response theory of symmetry restricted interactions. Molecular Physics, 1992, 76, 661-667.	1.7	11
126	Molecular Dynamics Simulation of Two Dimensional Flow Past a Plate. Molecular Simulation, 1992, 9, 179-192.	2.0	21

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127	The Gaussian thermostat, phase space compression and the conjugate pairing rule. Molecular Physics, 1992, 77, 1209-1216.	1.7	11
128	Number Dependence of Viscosity in Two Dimensional Fluids. Molecular Simulation, 1992, 9, 307-310.	2.0	5
129	Computer simulation study of the comparative rheology of branched and linear alkanes. Journal of Chemical Physics, 1992, 97, 616-627.	3.0	92
130	Calculation of equilibrium entropy differences from non-equilibrium molecular dynamics simulations. Molecular Physics, 1991, 72, 229-233.	1.7	6
131	The rheology of n alkanes: Decane and eicosane. Journal of Chemical Physics, 1991, 94, 7420-7433.	3.0	79
132	Comments on thermodynamic integration methods for the determination of nonequilibrium entropy. Molecular Physics, 1991, 74, 353-365.	1.7	23
133	On the Entropy of the Hard Sphere Fluid. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1991, 46, 27-31.	1.5	29
134	A constraint algorithm for the computer simulation of complex molecular liquids. Computer Physics Communications, 1991, 62, 267-278.	7.5	32
135	Heat induced polarization in molecular fluids. Molecular Physics, 1990, 69, 697-702.	1.7	4
136	Nonlinear Response Theory and Rheology. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1990, 94, 246-249.	0.9	0
137	Three-particle contribution to the configurational entropy of simple fluids. Physical Review A, 1990, 42, 849-857.	2.5	118
138	NEMD investigation of the rheology of oblate molecules: shear flow in liquid benzene. Molecular Physics, 1990, 71, 835-841.	1.7	4
139	Numerical test of the Kawasaki distribution function. Molecular Physics, 1990, 70, 347-351.	1.7	1
140	Viscosity of a simple fluid from its maximal Lyapunov exponents. Physical Review A, 1990, 42, 5990-5997.	2.5	193
141	New algorithm for constrained molecular-dynamics simulation of liquid benzene and naphthalene. Molecular Physics, 1990, 70, 53-63.	1.7	70
142	The Microscopic Connection. , 1990, , 33-76.		1
143	Towards a Thermodynamics of Steady States. , 1990, , 251-296.		1
144	Linear Response Theory. , 1990, , 95-119.		0

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145	Computer Simulation Algorithms. , 1990, , 121-168.		2
146	Non-Equilibrium Statistical Mechanics and Molecular Dynamics Computations. , 1990, , 125-154.		0
147	On the number dependence of viscosity in three dimensional fluids. Molecular Physics, 1989, 68, 637-646.	1.7	47
148	Nonlinear shear viscosity in two dimensions. Physical Review A, 1989, 39, 6335-6345.	2.5	15
149	Thermal conductivity in molecular fluids. Molecular Physics, 1989, 68, 1219-1223.	1.7	46
150	On the entropy of nonequilibrium states. Journal of Statistical Physics, 1989, 57, 745-758.	1.2	43
151	Direct entropy calculation from computer simulation of liquids. Physical Review A, 1989, 40, 3817-3822.	2.5	381
152	Time-dependent response theory. Molecular Physics, 1988, 64, 521-534.	1.7	19
153	Yamada-Kawasaki distribution function. Physical Review A, 1988, 37, 3605-3608.	2.5	17
154	Nonlinear Burnett coefficients. Physical Review A, 1988, 38, 5249-5252.	2.5	11
155	Transient-time-correlation functions and the rheology of fluids. Physical Review A, 1988, 38, 4142-4148.	2.5	45
156	Addendum to â€˜â€˜Heat and matter transport in binary liquid mixturesâ€™â€™. Physical Review A, 1987, 36, 948-950.	2.5	29
157	Asymptotic nonlinear stress tensor in small periodic systems undergoing Couette flow. Physical Review A, 1987, 36, 4119-4122.	2.5	10
158	Rheology of nâ€alkanes by nonequilibrium molecular dynamics. Journal of Chemical Physics, 1987, 86, 4555-4570.	3.0	151
159	Application of transient correlation functions to shear flow far from equilibrium. Physical Review A, 1987, 35, 792-797.	2.5	83
160	The specific heat of non-equilibrium steady states. Molecular Physics, 1987, 61, 1151-1159.	1.7	23
161	Conformational kinetics in liquid butane by nonequilibrium molecular dynamics. Journal of Chemical Physics, 1987, 87, 5700-5708.	3.0	28
162	Time correlation functions in the stress ensemble. Molecular Physics, 1987, 62, 419-428.	1.7	15

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163	On the nonlinear Born effect. Molecular Physics, 1987, 62, 1357-1369.	1.7	37
164	Shear Thickening and Turbulence in Simple Fluids. Physical Review Letters, 1986, 56, 2172-2175.	7.8	212
165	Heat and matter transport in binary liquid mixtures. Physical Review A, 1986, 34, 2133-2142.	2.5	110
166	Thermal conductivity of the Lennard-Jones fluid. Physical Review A, 1986, 34, 1449-1453.	2.5	50
167	A comparison of NEMD algorithms for thermal conductivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 117, 414-416.	2.1	29
168	Rheology and thermodynamics from nonequilibrium molecular dynamics. International Journal of Thermophysics, 1986, 7, 573-584.	2.1	6
169	Constrained molecular dynamics: Simulations of liquid alkanes with a new algorithm. Journal of Chemical Physics, 1986, 84, 6933-6939.	3.0	256
170	Computation of dielectric constants for condensed phases. Physical Review A, 1986, 33, 1408-1410.	2.5	2
171	Viscous flow in the stress ensemble. Molecular Physics, 1986, 59, 1043-1048.	1.7	8
172	Isothermal response theory. Molecular Physics, 1985, 54, 629-636.	1.7	99
173	Equilibrium-fluctuation expression for the resistance of a Norton circuit. Physical Review A, 1985, 31, 3817-3819.	2.5	16
174	Viscoelasticity in two dimensions. Physical Review A, 1985, 32, 2425-2430.	2.5	25
175	Test of thermodynamic fluctuation theory for shear flow far from equilibrium. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 101, 100-102.	2.1	7
176	Equilibrium time correlation functions under gaussian isothermal dynamics. Chemical Physics, 1984, 87, 451-454.	1.9	42
177	Non-Newtonian molecular dynamics. Computer Physics Reports, 1984, 1, 297-343.	2.2	553
178	Nonlinear-response theory for steady planar Couette flow. Physical Review A, 1984, 30, 1528-1530.	2.5	321
179	Comment on â€˜â€˜Extensions of the molecular dynamics simulation method. II. Isothermal systemsâ€™â€™. Journal of Chemical Physics, 1984, 81, 3749-3750.	3.0	6
180	Isothermal-isobaric molecular dynamics. Chemical Physics, 1983, 77, 63-66.	1.9	140

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181	Molecular dynamics simulations of the rheological properties of simple fluids. Physica A: Statistical Mechanics and Its Applications, 1983, 118, 51-68.	2.6	54
182	The isothermal/isobaric molecular dynamics ensemble. Physics Letters, Section A: General, Atomic and Solid State Physics, 1983, 98, 433-436.	2.1	166
183	Nonequilibrium Molecular-Dynamics Simulation of Couette Flow in Two-Dimensional Fluids. Physical Review Letters, 1983, 51, 1776-1779.	7.8	42
184	Nonequilibrium molecular dynamics via Gauss's principle of least constraint. Physical Review A, 1983, 28, 1016-1021.	2.5	400
185	NEMD algorithm for calculating the Raman spectra of dense fluids. Molecular Physics, 1983, 49, 963-972.	1.7	7
186	Shear-induced melting of soft-sphere crystals. Physical Review A, 1982, 25, 2788-2792.	2.5	34
187	A thermodynamics for a system under shear. Journal of Chemical Physics, 1982, 76, 3225-3232.	3.0	78
188	Fluctuation expressions for fast thermal transport processes: Vortex viscosity. Physical Review A, 1982, 25, 1771-1774.	2.5	28
189	Computer simulation of Burnett hydrodynamics. Molecular Physics, 1982, 47, 1165-1170.	1.7	18
190	Molecular dynamic simulations of systems undergoing shear. Advances in Colloid and Interface Science, 1982, 17, 51-60.	14.7	0
191	Homogeneous NEMD algorithm for thermal conductivityâ€"Application of non-canonical linear response theory. Physics Letters, Section A: General, Atomic and Solid State Physics, 1982, 91, 457-460.	2.1	293
192	Non-equilibrium molecular dynamics study of the rheological properties of diatomic liquids. Molecular Physics, 1981, 42, 1355-1365.	1.7	39
193	On the coupling of kinetic and potential contributions to transverse collective modes in fluids. Molecular Physics, 1981, 42, 231-234.	1.7	2
194	Equilibrium fluctuation expressions for the wave-vector- and frequency-dependent shear viscosity. Physical Review A, 1981, 23, 2622-2626.	2.5	39
195	Rheological properties of simple fluids by computer simulation. Physical Review A, 1981, 23, 1988-1997.	2.5	138
196	Equilibrium and non-equilibrium radial distribution functions in mixtures. Molecular Physics, 1980, 39, 1039-1042.	1.7	19
197	Enhancedt ?3/2 long-time tail for the stress-stress time correlation function. Journal of Statistical Physics, 1980, 22, 81-90.	1.2	79
198	Lennard-Jones triple-point bulk and shear viscosities. Green-Kubo theory, Hamiltonian mechanics, and nonequilibrium molecular dynamics. Physical Review A, 1980, 22, 1690-1697.	2.5	290

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199	Nonlinear viscous flow in the Lennard-Jones fluid. Physics Letters, Section A: General, Atomic and Solid State Physics, 1979, 74, 229-232.	2.1	39
200	The nonsymmetric pressure tensor in polyatomic fluids. Journal of Statistical Physics, 1979, 20, 547-555.	1.2	41
201	The frequency dependent shear viscosity of methane. Molecular Physics, 1979, 37, 1745-1754.	1.7	113
202	Transport properties of homonuclear diatomics. Molecular Physics, 1978, 36, 161-176.	1.7	83
203	On the nitrogen pair potential. Molecular Physics, 1977, 33, 979-986.	1.7	19
204	Singularity free algorithm for molecular dynamics simulation of rigid polyatomics. Molecular Physics, 1977, 34, 327-331.	1.7	428
205	On the representatation of orientation space. Molecular Physics, 1977, 34, 317-325.	1.7	406
206	Transport properties of homonuclear diatomics. Molecular Physics, 1977, 34, 103-112.	1.7	21
207	On the generalized hydrodynamics of polyatomic fluids. Molecular Physics, 1976, 32, 1171-1176.	1.7	31