

# Robert Evans

## List of Publications by Year in descending order

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181  
papers

14,743  
citations

20797

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19169

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182  
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182  
docs citations

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times ranked

4380  
citing authors

#	ARTICLE	IF	CITATIONS
1	Density Depletion and Enhanced Fluctuations in Water near Hydrophobic Solutes: Identifying the Underlying Physics. <i>Physical Review Letters</i> , 2022, 128, 045501.	2.9	15
2	Measures of fluctuations for a liquid near critical drying. <i>Physical Review E</i> , 2022, 105, 044801.	0.8	2
3	The coexistence curve and surface tension of a monatomic water model. <i>Journal of Chemical Physics</i> , 2022, 156, 154505.	1.2	7
4	Primitive model electrolytes in the near and far field: Decay lengths from DFT and simulations. <i>Journal of Chemical Physics</i> , 2021, 154, 124504.	1.2	42
5	Gerhard Findenegg (1938–2019). <i>Molecular Physics</i> , 2021, 119, .	0.8	0
6	Special issue in honour of Michael L. Klein FRS. <i>Molecular Physics</i> , 2021, 119, .	0.8	0
7	Remnants of the disappearing critical point in chain-forming patchy fluids. <i>Journal of Chemical Physics</i> , 2020, 152, 111101.	1.2	6
8	Bypassing the Energy Functional in Density Functional Theory: Direct Calculation of Electronic Energies from Conditional Probability Densities. <i>Physical Review Letters</i> , 2020, 125, 266401.	2.9	8
9	On the decay of the pair correlation function and the line of vanishing excess isothermal compressibility in simple fluids. <i>Journal of Chemical Physics</i> , 2019, 151, 014501.	1.2	14
10	A unified description of hydrophilic and superhydrophobic surfaces in terms of the wetting and drying transitions of liquids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23901-23908.	3.3	38
11	Daan Frenkel – An entropic career. <i>Molecular Physics</i> , 2018, 116, 2737-2741.	0.8	0
12	Composition inversion in mixtures of binary colloids and polymer. <i>Journal of Chemical Physics</i> , 2018, 148, 184902.	1.2	9
13	Structural crossover in a model fluid exhibiting two length scales: Repercussions for quasicrystal formation. <i>Physical Review E</i> , 2018, 98, 012606.	0.8	17
14	Solvent fluctuations around solvophobic, solvophilic, and patchy nanostructures and the accompanying solvent mediated interactions. <i>Journal of Chemical Physics</i> , 2017, 146, 124703.	1.2	21
15	Drying and wetting transitions of a Lennard-Jones fluid: Simulations and density functional theory. <i>Journal of Chemical Physics</i> , 2017, 147, 044701.	1.2	29
16	The standard mean-field treatment of inter-particle attraction in classical DFT is better than one might expect. <i>Journal of Chemical Physics</i> , 2017, 147, 034501.	1.2	42
17	The local structure factor near an interface; beyond extended capillary-wave models. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 244013.	0.7	21
18	Critical Casimir interactions and colloidal self-assembly in near-critical solvents. <i>Journal of Chemical Physics</i> , 2016, 145, 084902.	1.2	10

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19	Direct observation in 3d of structural crossover in binary hard sphere mixtures. Journal of Chemical Physics, 2016, 144, 144506.	1.2	22
20	New developments in classical density functional theory. Journal of Physics Condensed Matter, 2016, 28, 240401.	0.7	71
21	Critical Drying of Liquids. Physical Review Letters, 2016, 117, 176102.	2.9	24
22	Quantifying Density Fluctuations in Water at a Hydrophobic Surface: Evidence for Critical Drying. Physical Review Letters, 2015, 115, 016103.	2.9	49
23	Critical Casimir Forces and Colloidal Phase Transitions in a Near-Critical Solvent: A Simple Model Reveals a Rich Phase Diagram. Physical Review Letters, 2015, 114, 038301.	2.9	33
24	Liquid-gas asymmetry and the wave-vector-dependent surface tension. Physical Review E, 2015, 91, 030401.	0.8	9
25	Phase behaviour of colloids suspended in a near-critical solvent: a mean-field approach. Molecular Physics, 2015, 113, 2546-2555.	0.8	6
26	The local compressibility of liquids near non-adsorbing substrates: a useful measure of solvophobicity and hydrophobicity?. Journal of Physics Condensed Matter, 2015, 27, 194111.	0.7	44
27	Layering transitions and solvation forces in an asymmetrically confined fluid. Journal of Chemical Physics, 2014, 140, 134704.	1.2	13
28	Pair correlation functions and the wavevector-dependent surface tension in a simple density functional treatment of the liquid-vapour interface. Journal of Physics Condensed Matter, 2014, 26, 355008.	0.7	24
29	Relationship between local molecular field theory and density functional theory for non-uniform liquids. Journal of Chemical Physics, 2013, 138, 014502.	1.2	19
30	Temperature as an external field for colloid-polymer mixtures: "quenching" by heating and "melting" by cooling. Journal of Physics Condensed Matter, 2012, 24, 464128.	0.7	21
31	Phase behavior and structure of a fluid confined between competing (solvophobic and solvophilic) walls. Physical Review E, 2012, 86, 031601.	0.8	14
32	Nucleation of liquid droplets in a fluid with competing interactions. Molecular Physics, 2011, 109, 2711-2722.	0.8	16
33	Depletion potentials in highly size-asymmetric binary hard-sphere mixtures: Comparison of simulation results with theory. Physical Review E, 2011, 84, 061136.	0.8	44
34	Pair correlation function decay in models of simple fluids that contain dispersion interactions. Journal of Physics Condensed Matter, 2009, 21, 474220.	0.7	18
35	Solvent mediated interactions between model colloids and interfaces: A microscopic approach. Journal of Chemical Physics, 2009, 131, 124704.	1.2	35
36	Interfacial and wetting properties of a binary point Yukawa fluid. Journal of Chemical Physics, 2008, 129, 214709.	1.2	8

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37	Condensation in a Capped Capillary is a Continuous Critical Phenomenon. <i>Physical Review Letters</i> , 2007, 98, 226101.	2.9	67
38	Model colloidal fluid with competing interactions: Bulk and interfacial properties. <i>Journal of Chemical Physics</i> , 2007, 126, 014104.	1.2	79
39	Pair-correlation functions and phase separation in a two-component point Yukawa fluid. <i>Journal of Chemical Physics</i> , 2006, 124, 054503.	1.2	23
40	Soft core fluid in a quenched matrix of soft core particles: A mobile mixture in a model gel. <i>Physical Review E</i> , 2006, 73, 011506.	0.8	12
41	Critical drying at a spherical substrate. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S3499-S3505.	0.7	11
42	Solvent mediated interactions close to fluid-fluid phase separation: Microscopic treatment of bridging in a soft-core fluid. <i>Journal of Chemical Physics</i> , 2005, 122, 084513.	1.2	24
43	Wetting and drying at a curved substrate: Long-ranged forces. <i>Physical Review E</i> , 2005, 71, 011602.	0.8	62
44	Homogeneous and inhomogeneous hard-sphere mixtures: manifestations of structural crossover. <i>Molecular Physics</i> , 2005, 103, 3009-3023.	0.8	52
45	Soft-core binary fluid exhibiting a $\lambda$ -line and freezing to a highly delocalized crystal. <i>Journal of Physics Condensed Matter</i> , 2004, 16, L297-L303.	0.7	37
46	Decay of correlation functions in hard-sphere mixtures: Structural crossover. <i>Journal of Chemical Physics</i> , 2004, 121, 7869.	1.2	41
47	Nonanalytic curvature contributions to solvation free energies: Influence of drying. <i>Journal of Chemical Physics</i> , 2004, 121, 12074-12084.	1.2	49
48	Comment on "Dynamic wetting by liquids of different viscosity," by T.D. Blake and Y.D. Shikhmurzaev. <i>Journal of Colloid and Interface Science</i> , 2004, 280, 537-538.	5.0	33
49	Effect of a nearby charge-ordered phase on correlation functions in ionic systems. <i>Journal of Chemical Physics</i> , 2003, 118, 3702-3710.	1.2	27
50	Effects of weak surface fields on the density profiles and adsorption of a confined fluid near bulk criticality. <i>Journal of Chemical Physics</i> , 2003, 119, 8663-8675.	1.2	29
51	Solvent-mediated interactions and solvation close to fluid-fluid phase separation: A density functional treatment. <i>Journal of Chemical Physics</i> , 2003, 118, 9726-9746.	1.2	37
52	Statistical mechanics of inhomogeneous model colloid-polymer mixtures. <i>Molecular Physics</i> , 2003, 101, 3349-3384.	0.8	80
53	Wetting at curved substrates: Non-analytic behavior of interfacial properties. <i>Europhysics Letters</i> , 2003, 62, 815-821.	0.7	36
54	Entropic wetting and the fluid-fluid interface of a model colloid-polymer mixture. <i>Journal of Physics Condensed Matter</i> , 2002, 14, L1-L8.	0.7	90

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55	Density functional theory for a model colloid-polymer mixture: bulk fluid phases. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 9353-9382.	0.7	68
56	Wetting in the binary Gaussian core model. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 1131-1141.	0.7	43
57	Binary star-polymer solutions: bulk and interfacial properties. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 12031-12050.	0.7	33
58	Microscopic theory of solvent-mediated long-range forces: Influence of wetting. <i>Europhysics Letters</i> , 2002, 59, 526-532.	0.7	21
59	Fundamental measure theory for hard-sphere mixtures revisited: the White Bear version. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 12063-12078.	0.7	509
60	An exactly solvable model for a colloid-polymer mixture in one-dimension. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 306, 287-300.	1.2	24
61	Inhomogeneous model colloid-polymer mixtures: Adsorption at a hard wall. <i>Physical Review E</i> , 2001, 63, 041405.	0.8	51
62	Interfacial properties of model colloid-polymer mixtures. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2001, 359, 961-975.	1.6	22
63	Wetting and capillary nematization of a hard-rod fluid: A simulation study. <i>Physical Review E</i> , 2001, 63, 051703.	0.8	132
64	Binary Gaussian core model: Fluid-fluid phase separation and interfacial properties. <i>Physical Review E</i> , 2001, 64, 041501.	0.8	104
65	Depletion potential in hard-sphere mixtures: Theory and applications. <i>Physical Review E</i> , 2000, 62, 5360-5377.	0.8	283
66	Oriental wetting and capillary nematization of hard-rod fluids. <i>Europhysics Letters</i> , 2000, 49, 350-356.	0.7	110
67	A simulation study of the decay of the pair correlation function in simple fluids. <i>Journal of Chemical Physics</i> , 2000, 112, 1449-1456.	1.2	57
68	Interfaces, wetting, and capillary nematization of a hard-rod fluid: Theory for the Zwanzig model. <i>Journal of Chemical Physics</i> , 2000, 113, 7689-7701.	1.2	93
69	Density Functional for a Model Colloid-Polymer Mixture. <i>Physical Review Letters</i> , 2000, 85, 1934-1937.	2.9	147
70	Influence of Capillary Condensation on the Near-Critical Solvation Force. <i>Physical Review Letters</i> , 2000, 85, 3079-3082.	2.9	25
71	Effective interactions, structure, and isothermal compressibility of colloidal suspensions. <i>Journal of Chemical Physics</i> , 2000, 113, 4799-4807.	1.2	60
72	The fluid-fluid interface of a model colloid-polymer mixture. <i>Europhysics Letters</i> , 2000, 49, 678-684.	0.7	69

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73	Phase equilibria in a model of low-salt suspensions of charged colloids. Journal of Physics Condensed Matter, 1999, 11, 10047-10060.	0.7	29
74	Depletion potential in hard-sphere fluids. Europhysics Letters, 1999, 47, 398-404.	0.7	88
75	Fluids in Model Pores or Cavities: The Influence of Confinement on Structure and Phase Behaviour. , 1999, , 153-172.		3
76	Effects of confinement on critical adsorption: Absence of critical depletion for fluids in slit pores. Physical Review E, 1999, 60, 7105-7119.	0.8	13
77	Decay of correlations in fluids: The one-component plasma from Debye-Hückel to the asymptotic-high-density limit. Physical Review E, 1999, 59, 1435-1451.	0.8	38
78	Phase behaviour and structure of model colloid-polymer mixtures. Journal of Physics Condensed Matter, 1999, 11, 10079-10106.	0.7	243
79	Monte Carlo studies of the freezing and condensation transitions of confined fluids. Molecular Physics, 1999, 96, 209-229.	0.8	74
80	Monte Carlo studies of the freezing and condensation transitions of confined fluids. Molecular Physics, 1999, 96, 209-229.	0.8	13
81	Depletion forces in fluids. Physical Review E, 1998, 57, 6785-6800.	0.8	238
82	How the structure of a confined fluid depends on the ensemble: Hard spheres in a spherical cavity. Journal of Chemical Physics, 1998, 109, 3637-3650.	1.2	78
83	Liquid-vapor interface of an ionic fluid. Physical Review E, 1998, 57, 6944-6954.	0.8	51
84	Critical depletion of fluids in pores: Competing bulk and surface fields. Journal of Chemical Physics, 1998, 108, 9765-9774.	1.2	28
85	Density Functional Theory for Small Systems: Hard Spheres in a Closed Spherical Cavity. Physical Review Letters, 1997, 79, 2466-2469.	2.9	88
86	The screened Coulomb (Yukawa) charged hard sphere binary fluid. Molecular Physics, 1997, 92, 211-228.	0.8	18
87	Density functional theory for hard-sphere fluids: a generating function approach. Journal of Physics Condensed Matter, 1997, 9, 2375-2398.	0.7	30
88	Positron and positronium annihilation studies of the phase behaviour of fluids in Vycor. Journal of Physics Condensed Matter, 1996, 8, 9613-9619.	0.7	17
89	Decay of Correlations in Bulk Fluids and at Interfaces: A Density-Functional Perspective. ACS Symposium Series, 1996, , 166-184.	0.5	5
90	Anomalous freezing and melting behaviour of capillary confined CO <sub>2</sub> . Journal of Radioanalytical and Nuclear Chemistry, 1996, 210, 575-582.	0.7	3

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91	Interface localization transition in Ising films with competing walls: Ginzburg criterion and crossover scaling. <i>Physical Review E</i> , 1996, 53, 5023-5034.	0.8	101
92	Phase transitions of CO <sub>2</sub> confined in nanometer pores as revealed by positronium annihilation. <i>Journal of Physics Condensed Matter</i> , 1995, 7, L713-L717.	0.7	50
93	Criticality of ionic fields: The Ginzburg criterion for the restricted primitive model. <i>Journal of Physics Condensed Matter</i> , 1995, 7, L575-L583.	0.7	45
94	Solvation force in two-dimensional Ising strips. <i>Physical Review B</i> , 1994, 49, 8842-8851.	1.1	74
95	The decay of correlations in ionic fluids. <i>Molecular Physics</i> , 1994, 83, 619-654.	0.8	134
96	Asymptotic decay of correlations in liquids and their mixtures. <i>Journal of Chemical Physics</i> , 1994, 100, 591-603.	1.2	195
97	The decay of the pair correlation function in simple fluids: long- versus short-ranged potentials. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 9275-9294.	0.7	56
98	Oscillatory behaviour of density profiles: Relevance for fluid interfacial phenomena. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1994, 98, 345-352.	0.9	14
99	Fluctuations, correlation functions and interfacial Hamiltonians for the complete wetting phase transition. <i>Molecular Physics</i> , 1993, 78, 1527-1559.	0.8	29
100	Asymptotic decay of liquid structure: oscillatory liquid-vapour density profiles and the Fisher-Widom line. <i>Molecular Physics</i> , 1993, 80, 755-775.	0.8	194
101	Finite-size-scaling derivation of the Widom critical-exponent relation for surface tension. <i>Physical Review A</i> , 1992, 46, 5282-5283.	1.0	4
102	Positron annihilation study of capillary condensation of nitrogen gas in a mesoporous solid. <i>Physical Review Letters</i> , 1992, 69, 3535-3538.	2.9	46
103	Length scales for wetting transitions: Beyond the continuum Landau approximation for the interfacial binding potential. <i>Physical Review A</i> , 1992, 45, 3823-3830.	1.0	51
104	Universal fluctuation-induced corrections to the Kelvin equation for capillary condensation. <i>Journal of Physics A</i> , 1992, 25, 275-284.	1.6	31
105	Novel phase behaviour of a confined fluid or Ising magnet. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992, 181, 250-296.	1.2	164
106	Critical amplitude ratios for critical wetting in three dimensions: Observation of nonclassical behavior in the Ising model. <i>Physical Review B</i> , 1991, 43, 11535-11538.	1.1	40
107	Long-ranged surface perturbations for confined fluids. <i>Physical Review Letters</i> , 1991, 67, 2978-2981.	2.9	22
108	Free energy functionals and the structure of the uniform hard-sphere fluid. <i>Molecular Physics</i> , 1991, 73, 789-803.	0.8	15

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109	For fluids adsorbed at walls the MWDA density functional theory is equivalent to an HNC approach. Journal of Physics Condensed Matter, 1990, 2, 2435-2442.	0.7	11
110	Critical amplitudes for critical wetting with short-ranged forces: the approach to $d=3$ -. Journal of Physics Condensed Matter, 1990, 2, 7687-7698.	0.7	4
111	Influence of wetting on phase equilibria: A novel mechanism for critical-point shifts in films. Physical Review Letters, 1990, 64, 439-442.	2.9	197
112	Liquids at interfaces: what can a theorist contribute?. Journal of Physics Condensed Matter, 1990, 2, SA15-SA32.	0.7	58
113	The effect of confinement on the isotropic-nematic transition. Molecular Physics, 1990, 71, 801-821.	0.8	40
114	Comment on Reverse Monte Carlo Simulation. Molecular Simulation, 1990, 4, 409-411.	0.9	83
115	Fluids adsorbed in narrow pores: phase equilibria and structure. Journal of Physics Condensed Matter, 1990, 2, 8989-9007.	0.7	558
116	Comment on simple scaling theory for three-dimensional critical wetting with short-ranged forces. Physical Review B, 1989, 39, 12336-12338.	1.1	13
117	Monte Carlo study of phase transitions in a confined lattice gas. Physical Review B, 1989, 39, 9336-9342.	1.1	78
118	Nature of the prewetting critical point. Physical Review Letters, 1989, 63, 778-781.	2.9	35
119	Wetting transitions in fluids with short-ranged forces: correlation functions and criticality. Journal of Physics Condensed Matter, 1989, 1, 7207-7238.	0.7	18
120	Temperature dependence of gas adsorption on a mesoporous solid: capillary criticality and hysteresis. Langmuir, 1989, 5, 714-723.	1.6	235
121	The density profile of a confined fluid. Molecular Physics, 1988, 63, 159-163.	0.8	56
122	Nonclassical nucleation theory for the gas-liquid transition. Journal of Chemical Physics, 1988, 89, 7521-7530.	1.2	357
123	Structure and adsorption at gas-solid interfaces: Layering transitions from a continuum theory. Journal of Chemical Physics, 1988, 89, 4412-4423.	1.2	102
124	Correlation functions in the approach to complete drying at a wall-liquid interface. Molecular Physics, 1988, 65, 455-473.	0.8	23
125	Phase equilibria of fluid interfaces and confined fluids. Molecular Physics, 1987, 60, 573-595.	0.8	597
126	Phase equilibria and solvation forces for fluids confined between parallel walls. Journal of Chemical Physics, 1987, 86, 7138-7148.	1.2	286



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127	Phase transitions in a confined lattice gas: Prewetting and capillary condensation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1987, 141, 187-210.	1.2	77
128	Fluids in narrow pores: Adsorption, capillary condensation, and critical points. <i>Journal of Chemical Physics</i> , 1986, 84, 2376-2399.	1.2	489
129	Capillary condensation and adsorption in cylindrical and slit-like pores. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1986, 82, 1763.	1.1	364
130	Comment on "Simple theory for the critical adsorption of a fluid". <i>Physical Review A</i> , 1986, 34, 3504-3507.	1.0	5
131	The role of wetting films in capillary condensation and rise: Influence of long-range forces. <i>Chemical Physics Letters</i> , 1985, 114, 415-422.	1.2	82
132	Adsorption from a binary fluid mixture. <i>Molecular Physics</i> , 1985, 54, 383-406.	0.8	33
133	Pairwise correlations at a fluid-fluid interface. <i>Molecular Physics</i> , 1985, 54, 1357-1392.	0.8	20
134	Capillary condensation versus prewetting. <i>Physical Review A</i> , 1985, 32, 3817-3820.	1.0	50
135	The form of the density profile at a liquid-gas interface. <i>Molecular Physics</i> , 1985, 55, 1319-1338.	0.8	116
136	The surface tension of non-critical interfaces near critical end points. <i>Molecular Physics</i> , 1984, 52, 573-583.	0.8	7
137	A simple density functional theory for inhomogeneous liquids. <i>Molecular Physics</i> , 1984, 52, 847-857.	0.8	241
138	A comment on the order of the wetting transition at a solid-fluid interface. <i>Journal of Chemical Physics</i> , 1984, 80, 587-589.	1.2	14
139	The structure and surface tension of the liquid-vapour interface near the upper critical end point of a binary mixture of Lennard-Jones fluids. <i>Molecular Physics</i> , 1983, 48, 251-266.	0.8	41
140	Wetting transitions at models of a solid-gas interface. <i>Molecular Physics</i> , 1983, 48, 799-831.	0.8	167
141	Adsorption and wetting transitions at a model of the interface between a solid and a binary fluid mixture. <i>Molecular Physics</i> , 1983, 48, 687-714.	0.8	53
142	A model for the structure of liquid Li <sub>4</sub> Pb. <i>Journal of Physics F: Metal Physics</i> , 1983, 13, 1993-2010.	1.6	77
143	Wetting transitions at fluid-fluid interfaces. <i>Molecular Physics</i> , 1983, 49, 283-300.	0.8	66
144	On the failure of certain integral equation theories to account for complete wetting at solid-fluid interfaces. <i>Molecular Physics</i> , 1983, 50, 993-1011.	0.8	71

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145	The structure and surface tension of the liquid-vapour interface near the upper critical end point of a binary mixture of Lennard-Jones fluids. <i>Molecular Physics</i> , 1983, 48, 229-250.	0.8	111
146	Wetting transitions at fluid-fluid interfaces. <i>Molecular Physics</i> , 1983, 49, 301-314.	0.8	36
147	Charge ordering and the structure of ionic liquids: screened Coulomb versus Coulomb interionic potentials. <i>Journal of Physics C: Solid State Physics</i> , 1982, 15, 4961-4974.	1.5	30
148	Long ranged correlations at a solid-fluid interface A signature of the approach to complete wetting. <i>Molecular Physics</i> , 1982, 47, 1033-1063.	0.8	66
149	The surface properties of molten salts. , 1982, , 84-85.		0
150	The role of capillary wave fluctuations in determining the liquid-vapour interface. <i>Molecular Physics</i> , 1981, 42, 1169-1196.	0.8	97
151	The long-wavelength behaviour of the structure factor of liquid alkali metals. <i>Journal of Physics C: Solid State Physics</i> , 1981, 14, 3137-3153.	1.5	76
152	A self-consistent theory of inhomogeneous liquid metals: Calculations of the electron and ion density profiles and the liquid-vapour surface tension of the alkali metals. <i>Journal of Physics C: Solid State Physics</i> , 1981, 14, 5225-5246.	1.5	57
153	The role of attractive forces in the structure of simple liquids: a theory for small-angle scattering. <i>Journal of Physics C: Solid State Physics</i> , 1981, 14, 2569-2579.	1.5	53
154	Structural evidence that molten CsAu is ionic. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1980, 41, 351-356.	0.6	28
155	A MODEL FOR THE STRUCTURE OF SOME SEMICONDUCTING LIQUID ALLOYS : EVIDENCE FOR IONIC BONDING. <i>Journal De Physique Colloque</i> , 1980, 41, C8-321-C8-321.	0.2	10
156	Theory of the liquid-vapour interface of a binary mixture of Lennard-Jones fluids. <i>Molecular Physics</i> , 1980, 41, 1091-1112.	0.8	64
157	The structure and surface tension of the liquid-vapour interface of a model of a molten salt. <i>Molecular Physics</i> , 1980, 41, 1355-1372.	0.8	46
158	A density functional theory for inhomogeneous charged fluids. <i>Molecular Physics</i> , 1980, 40, 413-435.	0.8	80
159	Theory of the density profiles and surface tension of charged fluids. <i>Journal of Physics C: Solid State Physics</i> , 1980, 13, L77-L81.	1.5	7
160	SURFACES.THE SURFACE PROPERTIES OF LIQUID METALS. <i>Journal De Physique Colloque</i> , 1980, 41, C8-775-C8-782.	0.2	5
161	Spinodal decomposition in a Lennard-Jones fluid. <i>Molecular Physics</i> , 1979, 38, 687-698.	0.8	22
162	The nature of the liquid-vapour interface and other topics in the statistical mechanics of non-uniform, classical fluids. <i>Advances in Physics</i> , 1979, 28, 143-200.	35.9	2,374

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163	The density profile and surface tension of a Lennard-Jones fluid from a generalized van der Waals theory. <i>Molecular Physics</i> , 1979, 38, 367-375.	0.8	49
164	The Electronic and Cohesive Properties of Disordered Simple Metals. , 1979, , 417-472.		2
165	The long wavelength limit of the liquid structure factor-a theory for the compressibility of liquid rare gases and metals. <i>Journal of Physics C: Solid State Physics</i> , 1978, 11, 2437-2451.	1.5	63
166	Electronic Theory of the Thermodynamics and Structure of Liquid Metals. , 1978, , 153-219.		6
167	The entropies and structure factors of liquid simple metals. <i>Journal of Physics C: Solid State Physics</i> , 1976, 9, 3877-3903.	1.5	95
168	A thermodynamic perturbation theory for the surface tension and ion density profile of a liquid metal. <i>Journal of Physics C: Solid State Physics</i> , 1976, 9, 1891-1906.	1.5	56
169	Vacancy formation energies and linear screening theory. <i>Journal of Physics F: Metal Physics</i> , 1976, 6, 483-498.	1.6	75
170	Negative temperature coefficients of electrical resistivity: the divalent liquid metals Eu, Yb and Ba. <i>Journal of Physics F: Metal Physics</i> , 1976, 6, 1513-1522.	1.6	24
171	Calculations of the surface energy of simple liquid metals. <i>Journal of Physics C: Solid State Physics</i> , 1975, 8, 793-808.	1.5	28
172	The Born-Green equation for liquid metals. <i>Journal of Physics F: Metal Physics</i> , 1974, 4, 1839-1848.	1.6	21
173	A pseudo-atom theory for the surface tension of liquid metals. <i>Journal of Physics C: Solid State Physics</i> , 1974, 7, 2808-2830.	1.5	67
174	The resistivity and thermoelectric power of the liquid alkaline earth metals. <i>Journal of Physics F: Metal Physics</i> , 1973, 3, L238-L243.	1.6	26
175	Calculation of the Electrical Resistivity of Liquid Iron in the Earth's Core. <i>Nature: Physical Science</i> , 1972, 235, 165-167.	0.8	14
176	Calculations of electrical transport properties of liquid metals at high pressures. <i>Physics of the Earth and Planetary Interiors</i> , 1972, 6, 141-145.	0.7	7
177	An extension of the Faber-Ziman formula to liquid alloys of transition metals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1972, 38, 151-152.	0.9	27
178	A simple muffin tin model for the electrical resistivity of liquid noble and transition metals and their alloys. <i>Journal of Physics F: Metal Physics</i> , 1972, 2, 709-725.	1.6	232
179	Calculations of the transport properties of liquid transition metals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1971, 35, 57-58.	0.9	263
180	The Temperature Dependence of the Resistivity and Thermopower in Some Polyvalent Liquid Metals. <i>Physics and Chemistry of Liquids</i> , 1971, 2, 249-262.	0.4	13

#	ARTICLE	IF	CITATIONS
181	The resistivity and thermopower of liquid mercury and its alloys. Journal of Physics C: Solid State Physics, 1970, 3, S137-S152.	1.5	76