

Peter A Monson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

149
papers

6,599
citations

46
h-index

76
g-index

159
ext. papers

6,899
ext. citations

3.8
avg. IF

5.91
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 149 | Connecting dynamic pore filling mechanisms with equilibrium and out of equilibrium configurations of fluids in nanopores.. <i>Journal of Chemical Physics</i> , 2022 , 156, 134702 | 3.9 | |
| 148 | Modeling fluids confined in three-dimensionally ordered mesoporous carbons. <i>Adsorption</i> , 2021 , 27, 253-264 | 2.6 | 3 |
| 147 | Modeling the Impact of Mesoporous Silica Microstructures on the Adsorption Hysteresis Loop. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 21646-21655 | 3.8 | 11 |
| 146 | Sorption Isotherm Reconstruction and Extraction of Pore Size Distributions for Serially Connected Pore Model (SCPM) Structures Employing Algorithmic and Statistical Models. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 21591-21607 | 3.8 | 6 |
| 145 | Density-functional theory study of the body-centered-cubic and c16 hard-sphere crystals. <i>Journal of Chemical Physics</i> , 2019 , 150, 134506 | 3.9 | 2 |
| 144 | Nonequilibrium Steady States in Fluid Transport through Mesopores: Dynamic Mean Field Theory and Nonequilibrium Molecular Dynamics. <i>Langmuir</i> , 2019 , 35, 5702-5710 | 4 | 3 |
| 143 | On the mechanical stability of the body-centered cubic phase and the emergence of a metastable c16 phase in classical hard sphere solids. <i>Journal of Chemical Physics</i> , 2018 , 148, 024502 | 3.9 | 5 |
| 142 | Morphology of Fluids Confined in Physically Reconstructed Mesoporous Silica: Experiment and Mean Field Density Functional Theory. <i>Langmuir</i> , 2018 , 34, 9936-9945 | 4 | 12 |
| 141 | A comparison of dynamic mean field theory and grand canonical molecular dynamics for the dynamics of pore filling and capillary condensation of fluids in mesopores. <i>Journal of Chemical Physics</i> , 2018 , 149, 014703 | 3.9 | 1 |
| 140 | Modeling the Role of Excluded Volume in Zeolite Structure Direction. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 3703-3707 | 6.4 | 6 |
| 139 | Enhanced replica exchange reactive Monte Carlo simulations for constructing zeolite frameworks. <i>Molecular Simulation</i> , 2018 , 44, 453-462 | 2 | 3 |
| 138 | Molecular Simulations of the Synthesis of Periodic Mesoporous Silica Phases at High Surfactant Concentrations. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 4564-4575 | 3.8 | 17 |
| 137 | Multiscale Model for the Templated Synthesis of Mesoporous Silica: The Essential Role of Silica Oligomers. <i>Chemistry of Materials</i> , 2016 , 28, 2715-2727 | 9.6 | 22 |
| 136 | Modelling the assembly of nanoporous silica materials. <i>International Reviews in Physical Chemistry</i> , 2015 , 34, 35-70 | 7 | 24 |
| 135 | Modelling the dynamics of condensation and evaporation of fluids in three-dimensional slit pores. <i>Molecular Physics</i> , 2015 , 113, 1250-1260 | 1.7 | 5 |
| 134 | Modeling the self-assembly of silica-templated nanoparticles in the initial stages of zeolite formation. <i>Langmuir</i> , 2015 , 31, 4940-9 | 4 | 15 |
| 133 | Reactive Ensemble Monte Carlo Simulations of Silica Polymerization That Yield Zeolites and Related Crystalline Microporous Structures. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 26628-26635 | 3.8 | 9 |

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| 132 | Dynamic density functional theory with hydrodynamic interactions: theoretical development and application in the study of phase separation in gas-liquid systems. <i>Journal of Chemical Physics</i> , 2015 , 142, 094706 | 3.9 | 10 |
| 131 | Modeling the influence of side stream and ink bottle structures on adsorption/desorption dynamics of fluids in long pores. <i>Langmuir</i> , 2015 , 31, 188-98 | 4 | 3 |
| 130 | Modeling permporometry of mesoporous membranes using dynamic mean field theory. <i>AICHE Journal</i> , 2015 , 61, 2958-2967 | 3.6 | 2 |
| 129 | Lattice Monte Carlo Simulations in Search of Zeolite Analogues: Effects of Structure Directing Agents. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 28046-28054 | 3.8 | 8 |
| 128 | Physical adsorption of gases: the case for absolute adsorption as the basis for thermodynamic analysis. <i>Adsorption</i> , 2014 , 20, 591-622 | 2.6 | 101 |
| 127 | Filling dynamics of closed end nanocapillaries. <i>Langmuir</i> , 2014 , 30, 1290-4 | 4 | 22 |
| 126 | Lattice model for silica polymerization: Monte Carlo simulations of the transition between gel and nanoparticle phases. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 10989-99 | 3.4 | 9 |
| 125 | Dynamic mean field theory for lattice gas models of fluids confined in porous materials: higher order theory based on the Bethe-Peierls and path probability method approximations. <i>Journal of Chemical Physics</i> , 2014 , 141, 024706 | 3.9 | 7 |
| 124 | Dynamic mean field theory for lattice gas models of fluid mixtures confined in mesoporous materials. <i>Langmuir</i> , 2013 , 29, 13808-20 | 4 | 6 |
| 123 | Simulating the formation of surfactant-templated mesoporous silica materials: a model with both surfactant self-assembly and silica polymerization. <i>Langmuir</i> , 2013 , 29, 766-80 | 4 | 18 |
| 122 | Dynamics of capillary condensation in lattice gas models of confined fluids: a comparison of dynamic mean field theory with dynamic Monte Carlo simulations. <i>Journal of Chemical Physics</i> , 2013 , 138, 234709 | 3.9 | 16 |
| 121 | Emergence of Zeolite Analogs and other Microporous Crystals in an Atomic Lattice Model of Silica and Related Materials. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 761-5 | 6.4 | 13 |
| 120 | Modeling three-dimensional network formation with an atomic lattice model: application to silicic acid polymerization. <i>Journal of Chemical Physics</i> , 2011 , 134, 134703 | 3.9 | 14 |
| 119 | Modelling relaxation processes for fluids in porous materials using dynamic mean field theory: application to pore networks. <i>Adsorption</i> , 2011 , 17, 769-776 | 2.6 | 7 |
| 118 | Monte Carlo Simulations of Silica Polymerization and Network Formation. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 15988-16000 | 3.8 | 34 |
| 117 | Dynamic mean field theory of condensation and evaporation processes for fluids in porous materials: application to partial drying and drying. <i>Faraday Discussions</i> , 2010 , 146, 167-84; discussion 195-215, 395-403 | 3.6 | 19 |
| 116 | Comment on "Computer Simulation of Static and Dynamic Properties During Transient Sorption of Fluids in Mesoporous Materials" <i>Journal of Physical Chemistry C</i> , 2010 , 114, 9187-9188 | 3.8 | |
| 115 | Modeling Nanoparticle Formation during Early Stages of Zeolite Growth: A Low-Coordination Lattice Model of Template Penetration. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 14393-14401 | 3.8 | 21 |

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| 114 | Probing the Mechanism of Silica Polymerization at Ambient Temperatures using Monte Carlo Simulations. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 3219-3224 | 6.4 | 32 |
| 113 | Modeling Mesoscale Structure in Comb Polymer Materials for Anhydrous Proton Transport Applications. <i>Macromolecules</i> , 2010 , 43, 9549-9554 | 5.5 | 1 |
| 112 | Understanding adsorption and desorption processes in mesoporous materials with independent disordered channels. <i>Physical Review E</i> , 2009 , 80, 031607 | 2.4 | 63 |
| 111 | Modeling Relaxation Processes for Fluids in Porous Materials Using Dynamic Mean Field Theory: An Application to Partial Wetting. <i>Journal of Low Temperature Physics</i> , 2009 , 157, 395-409 | 1.3 | 31 |
| 110 | Solid-fluid and solid-solid equilibrium in hard sphere united atom models of n-alkanes: rotator phase stability. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 13866-73 | 3.4 | 13 |
| 109 | Contact angles, pore condensation, and hysteresis: insights from a simple molecular model. <i>Langmuir</i> , 2008 , 24, 12295-302 | 4 | 59 |
| 108 | Probing memory effects in confined fluids via diffusion measurements. <i>Langmuir</i> , 2008 , 24, 6429-32 | 4 | 50 |
| 107 | Understanding capillary condensation and hysteresis in porous silicon: network effects within independent pores. <i>Physical Review E</i> , 2008 , 78, 060601 | 2.4 | 72 |
| 106 | Mean field kinetic theory for a lattice gas model of fluids confined in porous materials. <i>Journal of Chemical Physics</i> , 2008 , 128, 084701 | 3.9 | 75 |
| 105 | Molecular thermodynamics of solid-fluid and solid-solid equilibria. <i>AIChE Journal</i> , 2008 , 54, 1122-1128 | 3.6 | 13 |
| 104 | Studies of a Lattice Model of Water Confined in a Slit Pore. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 15976-15981 | 3.8 | 13 |
| 103 | Dynamical aspects of the adsorption hysteresis phenomenon. <i>Magnetic Resonance Imaging</i> , 2007 , 25, 481-4 | 3.3 | 10 |
| 102 | Diffusion hysteresis in mesoporous materials. <i>European Physical Journal: Special Topics</i> , 2007 , 141, 107-113 | | 16 |
| 101 | Recent Progress in the Statistical Mechanical Mechanics of Interaction Site Fluids. <i>Advances in Chemical Physics</i> , 2007 , 451-550 | | 51 |
| 100 | Further studies of a simple atomistic model of silica: thermodynamic stability of zeolite frameworks as silica polymorphs. <i>Journal of Chemical Physics</i> , 2007 , 126, 144701 | 3.9 | 12 |
| 99 | Solid-Fluid Equilibrium: Insights from Simple Molecular Models. <i>Advances in Chemical Physics</i> , 2007 , 113-179 | | 66 |
| 98 | Calculation of free energies and chemical potentials for gas hydrates using Monte Carlo simulations. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 7274-82 | 3.4 | 57 |
| 97 | Mercury porosimetry in mesoporous glasses: a comparison of experiments with results from a molecular model. <i>Langmuir</i> , 2007 , 23, 3372-80 | 4 | 52 |

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| 96 | Wetting of rings on a nanopatterned surface: a lattice model study. <i>Physical Review E</i> , 2006 , 73, 041603 | 2.4 | 18 |
| 95 | Monte Carlo Simulation Study of Water Adsorption in Activated Carbon. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 5649-5656 | 3.9 | 69 |
| 94 | Crystal nucleation in binary hard sphere mixtures: a Monte Carlo simulation study. <i>Journal of Chemical Physics</i> , 2006 , 125, 24508 | 3.9 | 81 |
| 93 | Calculating the Phase Behavior of Gas-Hydrate-Forming Systems from Molecular Models. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 424-431 | 3.9 | 28 |
| 92 | Mean-field theory of liquid droplets on roughened solid surfaces: application to superhydrophobicity. <i>Langmuir</i> , 2006 , 22, 1595-601 | 4 | 54 |
| 91 | Modelling the thermal stability of precursor nanoparticles in zeolite synthesis. <i>Molecular Physics</i> , 2006 , 104, 3513-3522 | 1.7 | 19 |
| 90 | Exploration of molecular dynamics during transient sorption of fluids in mesoporous materials. <i>Nature</i> , 2006 , 443, 965-8 | 50.4 | 201 |
| 89 | A study of the phase behavior of a simple model of chiral molecules and enantiomeric mixtures. <i>Journal of Chemical Physics</i> , 2005 , 122, 54505 | 3.9 | 12 |
| 88 | Modeling spontaneous formation of precursor nanoparticles in clear-solution zeolite synthesis. <i>Journal of the American Chemical Society</i> , 2005 , 127, 14388-400 | 16.4 | 73 |
| 87 | Does water condense in carbon pores?. <i>Langmuir</i> , 2005 , 21, 10219-25 | 4 | 101 |
| 86 | Dynamic aspects of mercury porosimetry: a lattice model study. <i>Langmuir</i> , 2005 , 21, 3179-86 | 4 | 35 |
| 85 | Molecular Modeling of Adsorption in Activated Carbon: Comparison of Monte Carlo Simulations with Experiment. <i>Adsorption</i> , 2005 , 11, 5-13 | 2.6 | 38 |
| 84 | Recent Progress in Molecular Modeling of Adsorption and Hysteresis in Mesoporous Materials. <i>Adsorption</i> , 2005 , 11, 29-35 | 2.6 | 19 |
| 83 | Molecular Modeling of Mercury Porosimetry. <i>Adsorption</i> , 2005 , 11, 325-329 | 2.6 | 28 |
| 82 | Normal mode approach for predicting the mechanical properties of solids from first principles: Application to compressibility and thermal expansion of zeolites. <i>Physical Review B</i> , 2005 , 71, | 3.3 | 19 |
| 81 | On the mechanical properties and phase behavior of silica: a simple model based on low coordination and strong association. <i>Journal of Chemical Physics</i> , 2004 , 121, 8415-22 | 3.9 | 36 |
| 80 | Solid-fluid and solid-solid phase equilibrium in a model of n-alkane mixtures. <i>Journal of Chemical Physics</i> , 2004 , 120, 2980-8 | 3.9 | 16 |
| 79 | Density Functional Theory Study of Silica Zeolite Structures: Stabilities and Mechanical Properties of SOD, LTA, CHA, MOR, and MFI. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 9208-9215 | 3.4 | 79 |

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| 78 | Modeling mercury porosimetry using statistical mechanics. <i>Langmuir</i> , 2004 , 20, 6482-9 | 4 | 68 |
| 77 | Studies of a primitive model of mixtures of nonpolar molecules with water. <i>Molecular Physics</i> , 2004 , 102, 2071-2079 | 1.7 | 2 |
| 76 | Adsorption/desorption hysteresis in inkbottle pores: a density functional theory and Monte Carlo simulation study. <i>Langmuir</i> , 2004 , 20, 4289-94 | 4 | 91 |
| 75 | Modeling desorption of fluids from disordered mesoporous materials. <i>Langmuir</i> , 2004 , 20, 4743-7 | 4 | 50 |
| 74 | Phase behavior and dynamics of fluids in mesoporous glasses. <i>Physical Review E</i> , 2003 , 67, 041207 | 2.4 | 114 |
| 73 | Mean-field theory of ice phase stability. <i>Journal of Chemical Physics</i> , 2003 , 118, 7005-7011 | 3.9 | 6 |
| 72 | Understanding congruent melting in binary solids: Molecular models of benzene-hexafluorobenzene mixtures. <i>Journal of Chemical Physics</i> , 2003 , 118, 2815 | 3.9 | 19 |
| 71 | Lattice model of adsorption in disordered porous materials: mean-field density functional theory and Monte Carlo simulations. <i>Physical Review E</i> , 2002 , 65, 011202 | 2.4 | 72 |
| 70 | Adsorption hysteresis and capillary condensation in disordered porous solids: a density functional study. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 9295-9315 | 1.8 | 79 |
| 69 | Adsorption in Porous Materials at High Pressure: Theory and Experiment. <i>Langmuir</i> , 2002 , 18, 10261-10273 | 4.7 | 315 |
| 68 | A molecular model of adsorption in a dilute semiflexible porous network. <i>Molecular Physics</i> , 2002 , 100, 2031-2039 | 1.7 | 24 |
| 67 | Phase equilibrium in a quadrupolar hard sphere interaction site model of benzene. <i>Journal of Chemical Physics</i> , 2001 , 114, 4124-4130 | 3.9 | 22 |
| 66 | Capillary condensation in disordered porous materials: hysteresis versus equilibrium behavior. <i>Physical Review Letters</i> , 2001 , 87, 055701 | 7.4 | 240 |
| 65 | Modeling of Adsorption and Desorption in Pores of Simple Geometry Using Molecular Dynamics. <i>Langmuir</i> , 2001 , 17, 7600-7604 | 4 | 232 |
| 64 | Isobaric molecular dynamics simulations of hard sphere systems. <i>Physical Review E</i> , 2001 , 63, 061106 | 2.4 | 6 |
| 63 | Molecular dynamics simulations of hard sphere solidification at constant pressure. <i>Physical Review E</i> , 2001 , 64, 061703 | 2.4 | 22 |
| 62 | Mean-Field Theory of Fluid Adsorption in a Porous Glass. <i>Langmuir</i> , 2001 , 17, 7472-7475 | 4 | 74 |
| 61 | Computer simulations of phase equilibrium for a fluid confined in a disordered porous structure. <i>Physical Review E</i> , 2000 , 61, 7231-4 | 2.4 | 57 |

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| 60 | The phase behavior of a hard sphere chain model of a binary n-alkane mixture. <i>Journal of Chemical Physics</i> , 2000 , 112, 2870-2877 | 3.9 | 9 |
| 59 | Phase behavior of a hard sphere interaction site model of benzene. <i>Journal of Chemical Physics</i> , 2000 , 112, 8950-8957 | 3.9 | 27 |
| 58 | Hysteresis in Monte Carlo and Molecular Dynamics Simulations of Adsorption in Porous Materials. <i>Langmuir</i> , 2000 , 16, 9857-9860 | 4 | 75 |
| 57 | An application of cell theory to molecular models of n-alkane solids. <i>Molecular Physics</i> , 2000 , 98, 363-370 | 3.7 | 8 |
| 56 | Solid-fluid equilibrium in molecular models of n-alkanes. <i>Journal of Chemical Physics</i> , 1999 , 110, 664-675 | 3.9 | 47 |
| 55 | Tailored Porous Materials. <i>Chemistry of Materials</i> , 1999 , 11, 2633-2656 | 9.6 | 623 |
| 54 | Surface Roughness Effects in Molecular Models of Adsorption in Heterogeneous Porous Solids. <i>Langmuir</i> , 1998 , 14, 4880-4886 | 4 | 13 |
| 53 | Solid-fluid equilibrium for a molecular model with short ranged directional forces. <i>Journal of Chemical Physics</i> , 1998 , 109, 9938-9949 | 3.9 | 67 |
| 52 | The high density equation of state and solid-fluid equilibrium in systems of freely jointed chains of tangent hard spheres. <i>Journal of Chemical Physics</i> , 1997 , 107, 6899-6907 | 3.9 | 56 |
| 51 | Phase diagrams of single-component fluids in disordered porous materials: Predictions from integral-equation theory. <i>Journal of Chemical Physics</i> , 1997 , 106, 264-279 | 3.9 | 102 |
| 50 | An application of classical thermodynamics to solid-fluid equilibrium in hard sphere mixtures. <i>Journal of Chemical Physics</i> , 1997 , 107, 6855-6858 | 3.9 | 12 |
| 49 | Plastic crystal phases of hard dumbbells and hard spherocylinders. <i>Journal of Chemical Physics</i> , 1997 , 107, 2696-2697 | 3.9 | 53 |
| 48 | Monte Carlo Simulation Studies of Heats of Adsorption in Heterogeneous Solids. <i>Langmuir</i> , 1996 , 12, 5425-5432 | 4 | 105 |
| 47 | Solid-fluid phase equilibrium for single component and binary Lennard-Jones systems: A cell theory approach. <i>Journal of Chemical Physics</i> , 1996 , 105, 10022-10029 | 3.9 | 23 |
| 46 | Monte Carlo calculations of phase diagrams for a fluid confined in a disordered porous material. <i>Physical Review E</i> , 1996 , 54, 6557-6564 | 2.4 | 83 |
| 45 | Phase equilibrium in a molecular model of a fluid confined in a disordered porous material. <i>Physical Review E</i> , 1996 , 54, R29-R32 | 2.4 | 94 |
| 44 | Phase diagrams of a fluid confined in a disordered porous material. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 9621-9625 | 1.8 | 16 |
| 43 | Heats of Adsorption from Molecular Models of Adsorption in Heterogeneous Solids. <i>Kluwer International Series in Engineering and Computer Science</i> , 1996 , 1009-1018 | | 1 |

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| 42 | Solid-fluid equilibrium in a nonlinear hard sphere triatomic model of propane. <i>Journal of Chemical Physics</i> , 1995 , 103, 9756-9762 | 3.9 | 23 |
| 41 | Liquid-liquid equilibrium in a slit pore: Monte Carlo simulation and mean field density functional theory. <i>Journal of Chemical Physics</i> , 1995 , 102, 3712-3719 | 3.9 | 41 |
| 40 | Substitutionally ordered solid solutions of hard spheres. <i>Journal of Chemical Physics</i> , 1995 , 102, 3354-3360 | 3.9 | 122 |
| 39 | Solid-fluid equilibria for quadrupolar hard dumbbells via Monte Carlo simulation. <i>Journal of Chemical Physics</i> , 1995 , 102, 1361-1372 | 3.9 | 32 |
| 38 | Prewetting at a liquid mixture-solid interface: A comparison of Monte Carlo simulations with mean field density functional theory. <i>Journal of Chemical Physics</i> , 1994 , 101, 10947-10952 | 3.9 | 17 |
| 37 | Modeling the Influence of Heterogeneous Adsorbent Microstructure upon Adsorption Equilibria for Binary Mixtures. <i>Langmuir</i> , 1994 , 10, 530-537 | 4 | 23 |
| 36 | Vapour-liquid equilibria for two centre Lennard-Jones diatomics and dipolar diatomics. <i>Molecular Physics</i> , 1993 , 80, 997-1007 | 1.7 | 44 |
| 35 | Monte Carlo simulation study of adsorption from a liquid mixture at states near liquid-liquid coexistence. <i>Journal of Chemical Physics</i> , 1993 , 99, 8238-8243 | 3.9 | 21 |
| 34 | Physical adsorption in heterogeneous porous materials: an analytical study of a one-dimensional model. <i>Langmuir</i> , 1993 , 9, 561-567 | 4 | 15 |
| 33 | Further studies of prewetting transitions via Monte Carlo simulation. <i>Journal of Chemical Physics</i> , 1993 , 99, 6897-6906 | 3.9 | 48 |
| 32 | A cell theory for solid solutions: Application to hard sphere mixtures. <i>Journal of Chemical Physics</i> , 1993 , 99, 8914-8921 | 3.9 | 44 |
| 31 | Adsorption of fluids in disordered porous media from integral equation theory. <i>Journal of Chemical Physics</i> , 1993 , 99, 3003-3013 | 3.9 | 93 |
| 30 | On the stability of the plastic crystal phase of hard dumbbell solids. <i>Journal of Chemical Physics</i> , 1992 , 97, 8543-8548 | 3.9 | 70 |
| 29 | An analysis of the statistical model adsorption isotherm. <i>AIChE Journal</i> , 1992 , 38, 1979-1989 | 3.6 | 15 |
| 28 | Solid-fluid equilibria for hard dumbbells via Monte Carlo simulation. <i>Journal of Chemical Physics</i> , 1992 , 96, 9060-9072 | 3.9 | 121 |
| 27 | The influence of adsorbent microstructure upon adsorption equilibria: Investigations of a model system. <i>Journal of Chemical Physics</i> , 1991 , 95, 2936-2948 | 3.9 | 88 |
| 26 | Cluster integrals for square well particles: Application to percolation. <i>Journal of Chemical Physics</i> , 1991 , 94, 3070-3082 | 3.9 | 10 |
| 25 | A new method for the numerical solution of integral equation approximations. <i>International Journal of Thermophysics</i> , 1990 , 11, 97-107 | 2.1 | 6 |

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| 24 | Reply to "Comment on 'Prewetting at a solid-fluid interface via Monte Carlo simulation' ". <i>Physical Review A</i> , 1990 , 42, 2458-2459 | 2.6 | 19 |
| 23 | Prewetting at a fluid-solid interface via Monte Carlo simulation. <i>Physical Review A</i> , 1989 , 39, 6402-6408 | 2.6 | 129 |
| 22 | Isobaric ensemble Monte Carlo simulation of adsorption at fluid-solid interfaces. <i>Langmuir</i> , 1989 , 5, 639-644 | 9 | |
| 21 | An interaction site approach to clustering and percolation phenomena in systems of nonspherical particles. <i>Journal of Chemical Physics</i> , 1988 , 89, 3300-3307 | 3.9 | 15 |
| 20 | Monte Carlo calculations of cluster statistics in continuum models of composite morphology. <i>Journal of Chemical Physics</i> , 1988 , 88, 1198-1206 | 3.9 | 167 |
| 19 | Clustering and percolation in assemblies of anisotropic particles: Perturbation theory and Monte Carlo simulation. <i>Physical Review A</i> , 1988 , 38, 5376-5383 | 2.6 | 16 |
| 18 | Cluster perturbation theory for interaction site fluids. <i>Journal of Chemical Physics</i> , 1987 , 87, 3618-3629 | 3.9 | 32 |
| 17 | Local compositions and the square-well fluid. <i>International Journal of Thermophysics</i> , 1986 , 7, 367-379 | 2.1 | 9 |
| 16 | Computer simulation of adsorption equilibrium for a gas on a solid surface using the potential distribution theory. <i>Journal of Chemical Physics</i> , 1986 , 84, 1909-1915 | 3.9 | 19 |
| 15 | Solution of the Percus-Yevick equation in the coexistence region of a simple fluid. <i>International Journal of Thermophysics</i> , 1985 , 6, 573-584 | 2.1 | 9 |
| 14 | Solution of the Ornstein-Zernike equation in the vicinity of the critical point of a simple fluid. <i>Journal of Chemical Physics</i> , 1985 , 82, 4303-4311 | 3.9 | 46 |
| 13 | Thermodynamic properties of molecular fluids from the site-site Ornstein-Zernike equation. <i>Molecular Physics</i> , 1984 , 53, 1209-1223 | 1.7 | 23 |
| 12 | Additions and corrections. Equilibrium Properties of the Gaussian Overlap Fluid. <i>The Journal of Physical Chemistry</i> , 1984 , 88, 2678-2678 | | 4 |
| 11 | On series expansions of orientation-dependent properties of pairs of non-spherical molecules. <i>Molecular Physics</i> , 1983 , 49, 251-274 | 1.7 | 7 |
| 10 | Equilibrium properties of molecular fluids with charge distributions of quadrupolar symmetry. <i>Journal of Chemical Physics</i> , 1983 , 78, 4126-4132 | 3.9 | 14 |
| 9 | Integral equations for polar molecular fluids. <i>Molecular Physics</i> , 1983 , 48, 181-191 | 1.7 | 22 |
| 8 | Equilibrium properties of the Gaussian overlap fluid. Monte Carlo simulation and thermodynamic perturbation theory. <i>The Journal of Physical Chemistry</i> , 1983 , 87, 2852-2858 | | 25 |
| 7 | Deviations from two-dimensionality in classical adsorbed films. <i>Surface Science</i> , 1982 , 122, 401-407 | 1.8 | 12 |

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| 6 | Numerical solution of the RISM equations for the site-site 12-6 potential. <i>Molecular Physics</i> , 1982 , 47, 435-442 | 1.7 | 40 |
| 5 | Theory of monolayer physical adsorption. II. Fluid phases on a periodic surface. <i>Journal of Chemical Physics</i> , 1981 , 74, 6431-6439 | 3.9 | 41 |
| 4 | Mixtures of hard spherocylinders and hard spheres. <i>Molecular Physics</i> , 1980 , 39, 977-988 | 1.7 | 32 |
| 3 | Non-additive three body contributions to the lattice energies of nitrogen and carbon dioxide. <i>Molecular Physics</i> , 1980 , 39, 1163-1168 | 1.7 | 15 |
| 2 | On the pair distribution function in fluids of hard non-spherical molecules. <i>Molecular Physics</i> , 1979 , 38, 1699-1702 | 1.7 | 13 |
| 1 | Virial equation of state for rigid spherocylinders. <i>Molecular Physics</i> , 1978 , 35, 1337-1342 | 1.7 | 38 |