

Charles L Brooks Iii

List of Publications by Year in descending order

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124
papers

15,957
citations

41258

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21474

114
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130
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130
docs citations

130
times ranked

14751
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Optimizing Multisite $\hat{\nu}$ -Dynamics Throughput with Charge Renormalization. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 1479-1488. | 2.5 | 8 |
| 2 | Alchemical Free Energy Methods Applied to Complexes of the First Bromodomain of BRD4. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 1458-1470. | 2.5 | 8 |
| 3 | Allostery in the dynamic coactivator domain KIX occurs through minor conformational micro-states. <i>PLoS Computational Biology</i> , 2022, 18, e1009977. | 1.5 | 3 |
| 4 | A strategy for proline and glycine mutations to proteins with alchemical free energy calculations. <i>Journal of Computational Chemistry</i> , 2021, 42, 1088-1094. | 1.5 | 12 |
| 5 | Flexible CDOCKER: Hybrid Searching Algorithm and Scoring Function with Side Chain Conformational Entropy. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 5535-5549. | 2.5 | 13 |
| 6 | BLaDE: A Basic Lambda Dynamics Engine for GPU-Accelerated Molecular Dynamics Free Energy Calculations. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 6799-6807. | 2.3 | 23 |
| 7 | Accelerating the Generalized Born with Molecular Volume and Solvent Accessible Surface Area Implicit Solvent Model Using Graphics Processing Units. <i>Journal of Computational Chemistry</i> , 2020, 41, 830-838. | 1.5 | 9 |
| 8 | Automated, Accurate, and Scalable Relative Protein-Ligand Binding Free-Energy Calculations Using Lambda Dynamics. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 7895-7914. | 2.3 | 43 |
| 9 | Exploring pH Dependent Host/Guest Binding Affinities. <i>Journal of Physical Chemistry B</i> , 2020, 124, 6520-6528. | 1.2 | 6 |
| 10 | Electrostatic Forces Control the Negative Allosteric Regulation in a Disordered Protein Switch. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 864-868. | 2.1 | 13 |
| 11 | Overcoming Challenging Substituent Perturbations with Multisite $\hat{\nu}$ -Dynamics: A Case Study Targeting $\hat{\nu}$ -Secretase 1. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4875-4880. | 2.1 | 17 |
| 12 | Computational Studies of Catalytic Loop Dynamics in <i>Yersinia</i> Protein Tyrosine Phosphatase Using Pathway Optimization Methods. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7840-7851. | 1.2 | 4 |
| 13 | Hydroxyl Radical-Coupled Electron-Transfer Mechanism of Flavin-Dependent Hydroxylases. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8065-8073. | 1.2 | 12 |
| 14 | Enhanced Sampling Applied to Modeling Allosteric Regulation in Transcription. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5963-5968. | 2.1 | 9 |
| 15 | Molecular Mechanisms of Interactions between Monolayered Transition Metal Dichalcogenides and Biological Molecules. <i>Journal of the American Chemical Society</i> , 2019, 141, 9980-9988. | 6.6 | 28 |
| 16 | Structural Basis for Selectivity in Flavin-Dependent Monooxygenase-Catalyzed Oxidative Dearomatization. <i>ACS Catalysis</i> , 2019, 9, 3633-3640. | 5.5 | 28 |
| 17 | Deciphering protein evolution and fitness landscapes with latent space models. <i>Nature Communications</i> , 2019, 10, 5644. | 5.8 | 64 |
| 18 | Investigating the Effect of Two-Point Surface Attachment on Enzyme Stability and Activity. <i>Journal of the American Chemical Society</i> , 2018, 140, 16560-16569. | 6.6 | 51 |

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|----|---|-----|-----------|
| 19 | Approaching protein design with multisite $\hat{\nu}$ dynamics: Accurate and scalable mutational folding free energies in T4 lysozyme. <i>Protein Science</i> , 2018, 27, 1910-1922. | 3.1 | 26 |
| 20 | Predicting Binding Free Energies in a Large Combinatorial Chemical Space Using Multisite $\hat{\nu}$ Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3328-3332. | 2.1 | 28 |
| 21 | Molecular Interactions between Graphene and Biological Molecules. <i>Journal of the American Chemical Society</i> , 2017, 139, 1928-1936. | 6.6 | 96 |
| 22 | Exploring Protein-Nanoparticle Interactions with Coarse-Grained Protein Folding Models. <i>Small</i> , 2017, 13, 1603-1607. | 5.2 | 29 |
| 23 | CHARMM-GUI ligand reader and modeler for CHARMM force field generation of small molecules. <i>Journal of Computational Chemistry</i> , 2017, 38, 1879-1886. | 1.5 | 311 |
| 24 | Orientation Determination of a Hybrid Peptide Immobilized on CVD-Based Reactive Polymer Surfaces. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19078-19086. | 1.5 | 12 |
| 25 | Efficient implementation of constant pH molecular dynamics on modern graphics processors. <i>Journal of Computational Chemistry</i> , 2016, 37, 2171-2180. | 1.5 | 22 |
| 26 | Parallelization and improvements of the generalized born model with a simple screening function for modern graphics processors. <i>Journal of Computational Chemistry</i> , 2016, 37, 927-939. | 1.5 | 23 |
| 27 | Flexible CDocker: Development and application of a pseudo-explicit structure-based docking method within CHARMM. <i>Journal of Computational Chemistry</i> , 2016, 37, 753-762. | 1.5 | 88 |
| 28 | Frequent side chain methyl carbon-oxygen hydrogen bonding in proteins revealed by computational and stereochemical analysis of neutron structures. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 403-410. | 1.5 | 42 |
| 29 | Constant pH molecular dynamics of proteins in explicit solvent with proton tautomerism. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014, 82, 1319-1331. | 1.5 | 99 |
| 30 | PCASSO: A fast and efficient $\hat{\nu}$ -based method for accurately assigning protein secondary structure elements. <i>Journal of Computational Chemistry</i> , 2014, 35, 1757-1761. | 1.5 | 28 |
| 31 | Assessing the quality of absolute hydration free energies among CHARMM-compatible ligand parameterization schemes. <i>Journal of Computational Chemistry</i> , 2013, 34, 893-903. | 1.5 | 32 |
| 32 | pH-sensitive residues in the p19 RNA silencing suppressor protein from carnation Italian ringspot virus affect siRNA binding stability. <i>Protein Science</i> , 2013, 22, 595-604. | 3.1 | 18 |
| 33 | MATCH: An atom-typing toolset for molecular mechanics force fields. <i>Journal of Computational Chemistry</i> , 2012, 33, 189-202. | 1.5 | 140 |
| 34 | Predicting extreme pK_a shifts in staphylococcal nuclease mutants with constant pH molecular dynamics. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 3276-3286. | 1.5 | 43 |
| 35 | A Mechanism for Evolving Novel Plant Sesquiterpene Synthase Function. <i>Molecular Informatics</i> , 2011, 30, 896-906. | 1.4 | 19 |
| 36 | Surveying implicit solvent models for estimating small molecule absolute hydration free energies. <i>Journal of Computational Chemistry</i> , 2011, 32, 2909-2923. | 1.5 | 63 |

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|----|---|-----|-----------|
| 37 | Applying efficient implicit nongeometric constraints in alchemical free energy simulations. <i>Journal of Computational Chemistry</i> , 2011, 32, 3423-3432. | 1.5 | 39 |
| 38 | Steric and thermodynamic limits of design for the incorporation of large unnatural amino acids in aminoacyl-tRNA synthetase enzymes. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 1926-1938. | 1.5 | 4 |
| 39 | FoldGPCR: Structure prediction protocol for the transmembrane domain of G protein-coupled receptors from class A. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 2189-2201. | 1.5 | 33 |
| 40 | The flexible C-terminal arm of the Lassa arenavirus Z protein mediates interactions with multiple binding partners. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 2251-2264. | 1.5 | 11 |
| 41 | Free energy simulation methods. <i>Journal of Computational Chemistry</i> , 2009, 30, 1692-1700. | 1.5 | 164 |
| 42 | Predicting structurally conserved contacts for homologous proteins using sequence conservation filters. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 77, 448-453. | 1.5 | 11 |
| 43 | Functionally Important Conformations of the Met20 Loop in Dihydrofolate Reductase are Populated by Rapid Thermal Fluctuations. <i>Journal of the American Chemical Society</i> , 2009, 131, 5642-5647. | 6.6 | 56 |
| 44 | Insights from Coarse-Grained Models for Protein Folding and Dynamics. <i>International Journal of Molecular Sciences</i> , 2009, 10, 889-905. | 1.8 | 228 |
| 45 | The origins of asymmetry in the folding transition states of protein L and protein G. <i>Protein Science</i> , 2009, 11, 2351-2361. | 3.1 | 352 |
| 46 | Improved model building and assessment of the Calcium-sensing receptor transmembrane domain. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 71, 215-226. | 1.5 | 28 |
| 47 | Prediction of protein loop conformations using multiscale modeling methods with physical energy scoring functions. <i>Journal of Computational Chemistry</i> , 2008, 29, 820-831. | 1.5 | 40 |
| 48 | Implicit modeling of nonpolar solvation for simulating protein folding and conformational transitions. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 471-481. | 1.3 | 130 |
| 49 | Thermodynamic Aspects. <i>Advances in Chemical Physics</i> , 2007, , 175-190. | 0.3 | 0 |
| 50 | Experimental Comparisons and Analysis. <i>Advances in Chemical Physics</i> , 2007, , 191-224. | 0.3 | 0 |
| 51 | Protein Structure and Dynamics-An Overview. <i>Advances in Chemical Physics</i> , 2007, , 7-21. | 0.3 | 9 |
| 52 | Potential Functions. <i>Advances in Chemical Physics</i> , 2007, , 23-31. | 0.3 | 1 |
| 53 | Dynamical Simulation Methods. <i>Advances in Chemical Physics</i> , 2007, , 33-58. | 0.3 | 4 |
| 54 | Thermodynamic Methods. <i>Advances in Chemical Physics</i> , 2007, , 59-74. | 0.3 | 0 |

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|----|---|-----|-----------|
| 55 | Atom and Sidechain Motions. <i>Advances in Chemical Physics</i> , 2007, , 75-116. | 0.3 | 0 |
| 56 | Rigid-Body Motions. <i>Advances in Chemical Physics</i> , 2007, , 117-126. | 0.3 | 2 |
| 57 | Larger-Scale Motions. <i>Advances in Chemical Physics</i> , 2007, , 127-136. | 0.3 | 0 |
| 58 | Solvent Influence on Protein Dynamics. <i>Advances in Chemical Physics</i> , 2007, , 137-174. | 0.3 | 2 |
| 59 | Can molecular dynamics simulations provide high-resolution refinement of protein structure?. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 67, 922-930. | 1.5 | 124 |
| 60 | Conformational change of the methionine 20 loop of <i>Escherichia coli</i> dihydrofolate reductase modulates pKa of the bound dihydrofolate. <i>Protein Science</i> , 2007, 16, 1087-1100. | 3.1 | 34 |
| 61 | Fluctuating charge force fields: recent developments and applications from small molecules to macromolecular biological systems. <i>Molecular Simulation</i> , 2006, 32, 231-249. | 0.9 | 116 |
| 62 | Revisiting the hexane-water interface via molecular dynamics simulations using nonadditive alkane-water potentials. <i>Journal of Chemical Physics</i> , 2006, 124, 204706. | 1.2 | 58 |
| 63 | Model of the toxic complex of anthrax: Responsive conformational changes in both the lethal factor and the protective antigen heptamer. <i>Protein Science</i> , 2006, 15, 2190-2200. | 3.1 | 22 |
| 64 | Harmonic Fourier beads method for studying rare events on rugged energy surfaces. <i>Journal of Chemical Physics</i> , 2006, 125, 174108. | 1.2 | 42 |
| 65 | A line integral reaction path approximation for large systems via nonlinear constrained optimization: Application to alanine dipeptide and the I ² hairpin of protein G. <i>Journal of Chemical Physics</i> , 2006, 124, 194903. | 1.2 | 8 |
| 66 | A nonadditive methanol force field: Bulk liquid and liquid-vapor interfacial properties via molecular dynamics simulations using a fluctuating charge model. <i>Journal of Chemical Physics</i> , 2005, 122, 024508. | 1.2 | 66 |
| 67 | Detailed considerations for a balanced and broadly applicable force field: A study of substituted benzenes modeled with OPLS-AA. <i>Journal of Computational Chemistry</i> , 2005, 26, 1529-1541. | 1.5 | 30 |
| 68 | Application of torsion angle molecular dynamics for efficient sampling of protein conformations. <i>Journal of Computational Chemistry</i> , 2005, 26, 1565-1578. | 1.5 | 67 |
| 69 | Exploring Assembly Energetics of the 30S Ribosomal Subunit Using an Implicit Solvent Approach. <i>Journal of the American Chemical Society</i> , 2005, 127, 11125-11133. | 6.6 | 25 |
| 70 | Structure, thermodynamics, and liquid-vapor equilibrium of ethanol from molecular-dynamics simulations using nonadditive interactions. <i>Journal of Chemical Physics</i> , 2005, 123, 164502. | 1.2 | 63 |
| 71 | A modified TIP3P water potential for simulation with Ewald summation. <i>Journal of Chemical Physics</i> , 2004, 121, 10096-10103. | 1.2 | 1,063 |
| 72 | Constant-pH molecular dynamics using continuous titration coordinates. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 56, 738-752. | 1.5 | 316 |

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|----|--|-----|-----------|
| 73 | An electrostatic basis for the stability of thermophilic proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 57, 128-141. | 1.5 | 122 |
| 74 | The coupling of structural fluctuations to hydride transfer in dihydrofolate reductase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 57, 444-457. | 1.5 | 50 |
| 75 | Receptor rigidity and ligand mobility in trypsin-ligand complexes. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 58, 407-417. | 1.5 | 22 |
| 76 | CHARMM fluctuating charge force field for proteins: I parameterization and application to bulk organic liquid simulations. <i>Journal of Computational Chemistry</i> , 2004, 25, 1-16. | 1.5 | 457 |
| 77 | Performance comparison of generalized born and Poisson methods in the calculation of electrostatic solvation energies for protein structures. <i>Journal of Computational Chemistry</i> , 2004, 25, 265-284. | 1.5 | 523 |
| 78 | Efficient approximate all-atom solvent accessible surface area method parameterized for folded and denatured protein conformations. <i>Journal of Computational Chemistry</i> , 2004, 25, 1005-1014. | 1.5 | 23 |
| 79 | Extending the treatment of backbone energetics in protein force fields: Limitations of gas-phase quantum mechanics in reproducing protein conformational distributions in molecular dynamics simulations. <i>Journal of Computational Chemistry</i> , 2004, 25, 1400-1415. | 1.5 | 3,145 |
| 80 | CHARMM fluctuating charge force field for proteins: II Protein/solvent properties from molecular dynamics simulations using a nonadditive electrostatic model. <i>Journal of Computational Chemistry</i> , 2004, 25, 1504-1514. | 1.5 | 410 |
| 81 | Implicit solvation based on generalized Born theory in different dielectric environments. <i>Journal of Chemical Physics</i> , 2004, 120, 903-911. | 1.2 | 136 |
| 82 | Normal mode based flexible fitting of high-resolution structure into low-resolution experimental data from cryo-EM. <i>Journal of Structural Biology</i> , 2004, 147, 315-326. | 1.3 | 230 |
| 83 | Comparative study of several algorithms for flexible ligand docking. <i>Journal of Computer-Aided Molecular Design</i> , 2003, 17, 755-763. | 1.3 | 297 |
| 84 | Temperature-Dependent Behavior of Protein-Chromophore Interactions: A Theoretical Study of a Blue Fluorescent Antibody. <i>ChemPhysChem</i> , 2003, 4, 848-855. | 1.0 | 5 |
| 85 | New analytic approximation to the standard molecular volume definition and its application to generalized Born calculations. <i>Journal of Computational Chemistry</i> , 2003, 24, 1348-1356. | 1.5 | 474 |
| 86 | Detailed analysis of grid-based molecular docking: A case study of CDOCKER?A CHARMM-based MD docking algorithm. <i>Journal of Computational Chemistry</i> , 2003, 24, 1549-1562. | 1.5 | 1,299 |
| 87 | Generalized born model with a simple smoothing function. <i>Journal of Computational Chemistry</i> , 2003, 24, 1691-1702. | 1.5 | 642 |
| 88 | The importance of explicit chain representation in protein folding models: An examination of ising-like models. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 53, 740-747. | 1.5 | 33 |
| 89 | Effect of gatekeepers on the early folding kinetics of a model β^2 -barrel protein. <i>Journal of Chemical Physics</i> , 2003, 119, 5722-5729. | 1.2 | 21 |
| 90 | Novel generalized Born methods. <i>Journal of Chemical Physics</i> , 2002, 116, 10606-10614. | 1.2 | 416 |

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| 91 | Modern protein force fields behave comparably in molecular dynamics simulations. <i>Journal of Computational Chemistry</i> , 2002, 23, 1045-1057. | 1.5 | 99 |
| 92 | Evaluating CASP4 predictions with physical energy functions. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002, 49, 232-245. | 1.5 | 78 |
| 93 | FROM FOLDING THEORIES TO FOLDING PROTEINS: A Review and Assessment of Simulation Studies of Protein Folding and Unfolding. <i>Annual Review of Physical Chemistry</i> , 2001, 52, 499-535. | 4.8 | 483 |
| 94 | Accurate reconstruction of all-atom protein representations from side-chain-based low-resolution models. <i>Proteins: Structure, Function and Bioinformatics</i> , 2000, 41, 86-97. | 1.5 | 85 |
| 95 | Energetic frustration and the nature of the transition state in protein folding. <i>Journal of Chemical Physics</i> , 2000, 113, 7663-7671. | 1.2 | 84 |
| 96 | Free energy screening of small ligands binding to an artificial protein cavity. <i>Journal of Chemical Physics</i> , 2000, 113, 3423-3433. | 1.2 | 22 |
| 97 | Correlation between knowledge-based and detailed atomic potentials: Application to the unfolding of the GCN4 leucine zipper. <i>Proteins: Structure, Function and Bioinformatics</i> , 1999, 35, 447-452. | 1.5 | 30 |
| 98 | Assessing energy functions for flexible docking. <i>Journal of Computational Chemistry</i> , 1998, 19, 1612-1622. | 1.5 | 144 |
| 99 | Assessing search strategies for flexible docking. <i>Journal of Computational Chemistry</i> , 1998, 19, 1623-1631. | 1.5 | 112 |
| 100 | Exploring the space of protein folding Hamiltonians: The balance of forces in a minimalist β^2 -barrel model. <i>Journal of Chemical Physics</i> , 1998, 109, 2895-2903. | 1.2 | 92 |
| 101 | A reexamination of the hydrophobic effect: Exploring the role of the solvent model in computing the methane-methane potential of mean force. <i>Journal of Chemical Physics</i> , 1997, 106, 9265-9269. | 1.2 | 65 |
| 102 | Curious structure in α -canonical-alanine-based peptides. , 1997, 28, 59-71. | | 58 |
| 103 | A molecular dynamics simulation study of segment B1 of protein G. , 1997, 29, 193-202. | | 40 |
| 104 | Thermodynamics of protein folding: A statistical mechanical study of a small all- β^2 protein. , 1997, 42, 745-757. | | 106 |
| 105 | β^2 -dynamics: A new approach to free energy calculations. <i>Journal of Chemical Physics</i> , 1996, 105, 2414-2423. | 1.2 | 324 |
| 106 | A Microscopic View of Helix Propagation: N and C-terminal Helix Growth in Alanine Helices. <i>Journal of Molecular Biology</i> , 1996, 259, 560-572. | 2.0 | 117 |
| 107 | Dynamic load balancing algorithms for replicated data molecular dynamics. <i>Journal of Computational Chemistry</i> , 1995, 16, 715-722. | 1.5 | 7 |
| 108 | Prediction of Quaternary Structure of Coiled Coils. Application to Mutants of the GCN4 Leucine Zipper. <i>Journal of Molecular Biology</i> , 1995, 251, 448-467. | 2.0 | 45 |

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| 109 | Implementation of a data parallel, logical domain decomposition method for interparticle interactions in molecular dynamics of structured molecular fluids. <i>Journal of Computational Chemistry</i> , 1994, 15, 44-53. | 1.5 | 5 |
| 110 | Cluster structure determination using Gaussian density distribution global minimization methods. <i>Journal of Chemical Physics</i> , 1994, 101, 6405-6411. | 1.2 | 32 |
| 111 | The Stability of Protein Secondary Structures in Aqueous Solution. <i>AIP Conference Proceedings</i> , 1991, , . | 0.3 | 4 |
| 112 | Vector and parallel algorithms for the molecular dynamics simulation of macromolecules on shared-memory computers. <i>Journal of Computational Chemistry</i> , 1991, 12, 1270-1277. | 1.5 | 40 |
| 113 | Virtual rigid body dynamics. <i>Biopolymers</i> , 1991, 31, 77-100. | 1.2 | 28 |
| 114 | Reaction paths and free energy profiles for conformational transitions: An internal coordinate approach. <i>Journal of Chemical Physics</i> , 1991, 95, 7612-7625. | 1.2 | 63 |
| 115 | Protein-drug interactions: Characterization of inhibitor binding in complexes of DHFR with trimethoprim and related derivatives. <i>Proteins: Structure, Function and Bioinformatics</i> , 1990, 7, 52-61. | 1.5 | 40 |
| 116 | The thermodynamics of solvophobic effects: A molecular dynamics study of n-butane in carbon tetrachloride and water. <i>Journal of Chemical Physics</i> , 1990, 92, 2582-2592. | 1.2 | 62 |
| 117 | Thermodynamic calculations on biological molecules. <i>International Journal of Quantum Chemistry</i> , 1988, 34, 221-234. | 1.0 | 16 |
| 118 | Molecular dynamics with internal coordinate constraints. <i>Journal of Chemical Physics</i> , 1988, 89, 5115-5127. | 1.2 | 90 |
| 119 | An ab initio study of hydrated chloride ion complexes: Evidence of polarization effects and nonadditivity. <i>Journal of Chemical Physics</i> , 1987, 87, 5892-5894. | 1.2 | 35 |
| 120 | Thermodynamics of aqueous solvation: Solution properties of alcohols and alkanes. <i>Journal of Chemical Physics</i> , 1987, 87, 3029-3037. | 1.2 | 127 |
| 121 | The influence of long-range force truncation on the thermodynamics of aqueous ionic solutions. <i>Journal of Chemical Physics</i> , 1987, 86, 5156-5162. | 1.2 | 78 |
| 122 | Structural and energetic effects of truncating long ranged interactions in ionic and polar fluids. <i>Journal of Chemical Physics</i> , 1985, 83, 5897-5908. | 1.2 | 290 |
| 123 | Implicit Solvent Force-Field Optimization. , 0, , 167-190. | | 1 |
| 124 | Exploring the Functional Landscape of Biomolecular Machines via Elastic Network Normal Mode Analysis. , 0, , 59-77. | | 3 |