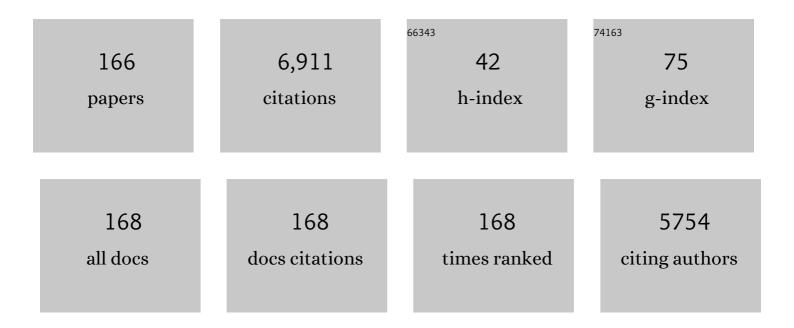
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Discovery of novel inhibitors of SARS-CoV-2 main protease. Journal of Biomolecular Structure and Dynamics, 2022, 40, 12526-12534.	3.5	2
2	Insights into small molecule inhibitor bindings to PD-L1 with residue-specific binding free energy calculation. Journal of Biomolecular Structure and Dynamics, 2022, 40, 12277-12285.	3.5	1
3	HobPre: accurate prediction of human oral bioavailability for small molecules. Journal of Cheminformatics, 2022, 14, 1.	6.1	32
4	Discovery of novel inhibitors of CDK2 using docking and physicsâ€based binding free energy calculation. Chemical Biology and Drug Design, 2022, 99, 662-673.	3.2	4
5	Computational Alanine Scanning Reveals Common Features of TCR/pMHC Recognition in HLA-DQ8-Associated Celiac Disease. Methods in Molecular Biology, 2022, 2385, 293-312.	0.9	0
6	<i>Ab initio</i> neural network MD simulation of thermal decomposition of a high energy material CL-20/TNT. Physical Chemistry Chemical Physics, 2022, 24, 11801-11811.	2.8	13
7	Mutational Effect of Some Major COVID-19 Variants on Binding of the S Protein to ACE2. Biomolecules, 2022, 12, 572.	4.0	8
8	HergSPred: Accurate Classification of hERG Blockers/Nonblockers with Machine-Learning Models. Journal of Chemical Information and Modeling, 2022, 62, 1830-1839.	5.4	26
9	AA-Score: a New Scoring Function Based on Amino Acid-Specific Interaction for Molecular Docking. Journal of Chemical Information and Modeling, 2022, 62, 2499-2509.	5.4	11
10	SeBPPI: A Sequence-Based Protein–Protein Binding Predictor. Journal of Computational Biophysics and Chemistry, 2022, 21, 729-737.	1.7	2
11	Immune Escape Mechanisms of SARS-CoV-2 Delta and Omicron Variants against Two Monoclonal Antibodies That Received Emergency Use Authorization. Journal of Physical Chemistry Letters, 2022, 13, 6064-6073.	4.6	14
12	Toxic Effect of Fullerene and Its Derivatives upon the Transmembrane β2-Adrenergic Receptors. Molecules, 2022, 27, 4562.	3.8	6
13	Molecular basis of SMAC-XIAP binding and the effect of electrostatic polarization. Journal of Biomolecular Structure and Dynamics, 2021, 39, 743-752.	3.5	7
14	Alanine scanning combined with interaction entropy studying the differences of binding mechanism on HIV-1 and HIV-2 proteases with inhibitor. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1588-1599.	3.5	5
15	Identification of three new compounds that directly target human serine hydroxymethyltransferase 2. Chemical Biology and Drug Design, 2021, 97, 221-230.	3.2	6
16	Exploring the Chemical Space of Linear Alkane Pyrolysis via Deep Potential GENerator. Energy & Fuels, 2021, 35, 762-769.	5.1	22
17	Inhibition mechanism and hot-spot prediction of nine potential drugs for SARS-CoV-2 M ^{pro} by large-scale molecular dynamic simulations combined with accurate binding free energy calculations. Nanoscale, 2021, 13, 8313-8332.	5.6	8
18	A fixed multi-site interaction charge model for an accurate prediction of the QM/MM interactions. Physical Chemistry Chemical Physics, 2021, 23, 21001-21012.	2.8	1

#	Article	IF	CITATIONS
19	Molecular mechanism related to the binding of fluorophores to Mango-II revealed by multiple-replica molecular dynamics simulations. Physical Chemistry Chemical Physics, 2021, 23, 10636-10649.	2.8	6
20	Cyclopentadienyl radical formation from the reaction of excited nitrogen atoms with benzene: a theoretical study. Physical Chemistry Chemical Physics, 2021, 23, 12408-12420.	2.8	9
21	Residue-specific binding mechanisms of PD-L1 to its monoclonal antibodies by computational alanine scanning. Physical Chemistry Chemical Physics, 2021, 23, 15591-15600.	2.8	Ο
22	Engineering the biomimetic cofactors of NMNH for cytochrome P450 BM3 based on binding conformation refinement. RSC Advances, 2021, 11, 12036-12042.	3.6	4
23	Quantitative analysis of ACE2 binding to coronavirus spike proteins: SARS-CoV-2 <i>vs.</i> SARS-CoV and RaTG13. Physical Chemistry Chemical Physics, 2021, 23, 13926-13933.	2.8	11
24	Computational Analysis of Residue-Specific Binding Free Energies of Androgen Receptor to Ligands. Frontiers in Molecular Biosciences, 2021, 8, 646524.	3.5	5
25	An electrostatic energy-based charge model for molecular dynamics simulation. Journal of Chemical Physics, 2021, 154, 134107.	3.0	5
26	Fragment-Based Ab Initio Molecular Dynamics Simulation for Combustion. Molecules, 2021, 26, 3120.	3.8	1
27	Analysis of the binding modes of the first―and secondâ€generation antiandrogens with respect to F876L mutation. Chemical Biology and Drug Design, 2021, 98, 60-72.	3.2	1
28	DeepBSP—a Machine Learning Method for Accurate Prediction of Protein–Ligand Docking Structures. Journal of Chemical Information and Modeling, 2021, 61, 2231-2240.	5.4	44
29	Automatically Constructed Neural Network Potentials for Molecular Dynamics Simulation of Zinc Proteins. Frontiers in Chemistry, 2021, 9, 692200.	3.6	10
30	Ultra-coarse-graining modeling of liquid water. Journal of Chemical Physics, 2021, 154, 224506.	3.0	3
31	Anchor-Locker Binding Mechanism of the Coronavirus Spike Protein to Human ACE2: Insights from Computational Analysis. Journal of Chemical Information and Modeling, 2021, 61, 3529-3542.	5.4	26
32	MolGpka: A Web Server for Small Molecule p <i>K</i> _a Prediction Using a Graph-Convolutional Neural Network. Journal of Chemical Information and Modeling, 2021, 61, 3159-3165.	5.4	79
33	Investigating effects of bridging water on the binding of neuraminidaseâ^'ligands using computational alanine scanning combined with interaction entropy method. Journal of Molecular Liquids, 2021, 336, 116214.	4.9	1
34	Benchmark Force Fields for the Molecular Dynamic Simulation of G-Quadruplexes. Molecules, 2021, 26, 5379.	3.8	12
35	Rational Design of Pepsin for Enhanced Thermostability via Exploiting the Guide of Structural Weakness on Stability. Frontiers in Physics, 2021, 9, .	2.1	5
36	Computational analysis of binding free energies, hotspots and the binding mechanism of Bcl-xL/Bcl-2 binding to Bad/Bax. Physical Chemistry Chemical Physics, 2021, 23, 2025-2037.	2.8	6

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37	Introducing the effective polarizable bond (EPB) model in DNA simulations. Chemical Physics Letters, 2021, 785, 139160.	2.6	0
38	Computational Insights into the Binding Mechanism of OxyS sRNA with Chaperone Protein Hfq. Biomolecules, 2021, 11, 1653.	4.0	1
39	Automated Construction of Neural Network Potential Energy Surface: The Enhanced Self-Organizing Incremental Neural Network Deep Potential Method. Journal of Chemical Information and Modeling, 2021, 61, 5425-5437.	5.4	6
40	Targeting mechanism for SARS-CoV-2 <i>in silico</i> : interaction and key groups of TMPRSS2 toward four potential drugs. Nanoscale, 2021, 13, 19218-19237.	5.6	2
41	Binding modes and conformational changes of FK506-binding protein 51 induced by inhibitor bindings: insight into molecular mechanisms based on multiple simulation technologies. Journal of Biomolecular Structure and Dynamics, 2020, 38, 2141-2155.	3.5	16
42	Decoding molecular mechanism of inhibitor bindings to CDK2 using molecular dynamics simulations and binding free energy calculations. Journal of Biomolecular Structure and Dynamics, 2020, 38, 985-996.	3.5	29
43	Determining Optimal Coarseâ€Grained Representation for Biomolecules Using Internal Cluster Validation Indexes. Journal of Computational Chemistry, 2020, 41, 14-20.	3.3	9
44	ReacNetGenerator: an automatic reaction network generator for reactive molecular dynamics simulations. Physical Chemistry Chemical Physics, 2020, 22, 683-691.	2.8	54
45	Theoretical understanding of the thermodynamics and interactions in transcriptional regulator TtgR–ligand binding. Physical Chemistry Chemical Physics, 2020, 22, 1511-1524.	2.8	13
46	Binding Modes of Smallâ€Molecule Inhibitors to the EED Pocket of PRC2. ChemPhysChem, 2020, 21, 263-271.	2.1	11
47	Development of a New Scoring Function for Virtual Screening: APBScore. Journal of Chemical Information and Modeling, 2020, 60, 6355-6365.	5.4	11
48	Reaction mechanism and product branching ratios of OH+C2H3F reaction: A theoretical study. Chinese Journal of Chemical Physics, 2020, 33, 203-209.	1.3	1
49	Complex reaction processes in combustion unraveled by neural network-based molecular dynamics simulation. Nature Communications, 2020, 11, 5713.	12.8	111
50	Double-Well Ultra-Coarse-Grained Model to Describe Protein Conformational Transitions. Journal of Chemical Theory and Computation, 2020, 16, 6678-6689.	5.3	20
51	An Approach to Computing Solvent Reorganization Energy. Journal of Chemical Theory and Computation, 2020, 16, 6513-6519.	5.3	3
52	An ab initio/RRKM study of the reaction mechanism and product branching ratios of CH3OH+ and CH3OH++ dissociation. Journal of Molecular Structure, 2020, 1217, 128410.	3.6	4
53	DenseCPD: Improving the Accuracy of Neural-Network-Based Computational Protein Sequence Design with DenseNet. Journal of Chemical Information and Modeling, 2020, 60, 1245-1252.	5.4	47
54	Efficient calculation of excess free energy of pure and mixed alcohol solutions. Chemical Physics Letters, 2020, 749, 137397.	2.6	1

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55	Computational approaches to studying methylated H4K20 recognition by DNA repair factor 53BP1. Physical Chemistry Chemical Physics, 2020, 22, 6136-6144.	2.8	11
56	Entropic effect and residue specific entropic contribution to the cooperativity in streptavidin–biotin binding. Nanoscale, 2020, 12, 7134-7145.	5.6	21
57	How CuCl and CuCl ₂ Insert into C–N Bonds of Diazo Compounds: An Electronic Structure and Mechanistic Study. Journal of Physical Chemistry A, 2020, 124, 2029-2035.	2.5	5
58	Molecular Mechanism of Selective Binding of NMS-P118 to PARP-1 and PARP-2: A Computational Perspective. Frontiers in Molecular Biosciences, 2020, 7, 50.	3.5	13
59	Developing an effective polarizable bond method for small molecules with application to optimized molecular docking. RSC Advances, 2020, 10, 15530-15540.	3.6	14
60	An Energy Optimization Strategy Based on the Perfect Conformation of Prolyl Endopeptidase for Improving Catalytic Efficiency. Journal of Agricultural and Food Chemistry, 2020, 68, 5129-5137.	5.2	8
61	An accurate free energy estimator: based on MM/PBSA combined with interaction entropy for protein–ligand binding affinity. Nanoscale, 2020, 12, 10737-10750.	5.6	88
62	A method for efficient calculation of thermal stability of proteins upon point mutations. Physical Chemistry Chemical Physics, 2020, 22, 8461-8466.	2.8	12
63	Molecular Dynamics Simulation of Zinc Ion in Water with an ab Initio Based Neural Network Potential. Journal of Physical Chemistry A, 2019, 123, 6587-6595.	2.5	24
64	Molecular mechanism of ligand bindings to Zika virus at SAM site. Chemical Physics Letters, 2019, 735, 136771.	2.6	0
65	A Fragment Quantum Mechanical Method for Metalloproteins. Journal of Chemical Theory and Computation, 2019, 15, 1430-1439.	5.3	17
66	Study of SHMT2 Inhibitors and Their Binding Mechanism by Computational Alanine Scanning. Journal of Chemical Information and Modeling, 2019, 59, 3871-3878.	5.4	21
67	Computational analysis for residue-specific CDK2-inhibitor bindings. Chinese Journal of Chemical Physics, 2019, 32, 134-142.	1.3	10
68	Mechanistic Studies of CO2 Cycloaddition Reaction Catalyzed by Amine-Functionalized Ionic Liquids. Frontiers in Chemistry, 2019, 7, 615.	3.6	20
69	Drug-resistance mechanisms of three mutations in anaplastic lymphoma kinase against two inhibitors based on MM/PBSA combined with interaction entropy. Physical Chemistry Chemical Physics, 2019, 21, 20951-20964.	2.8	9
70	A force consistent method for electrostatic energy calculation in fluctuating charge model. Journal of Chemical Physics, 2019, 151, 094105.	3.0	3
71	End-Point Binding Free Energy Calculation with MM/PBSA and MM/GBSA: Strategies and Applications in Drug Design. Chemical Reviews, 2019, 119, 9478-9508.	47.7	1,064
72	Sulfur-substitution-induced base flipping in the DNA duplex. Physical Chemistry Chemical Physics, 2019, 21, 14923-14940.	2.8	21

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73	Effect of mutations on binding of ligands to guanine riboswitch probed by free energy perturbation and molecular dynamics simulations. Nucleic Acids Research, 2019, 47, 6618-6631.	14.5	130
74	Understanding Aldose Reductase-Inhibitors interactions with free energy simulation. Journal of Molecular Graphics and Modelling, 2019, 91, 10-21.	2.4	10
75	Computational analysis of hot spots and binding mechanism in the PD-1/PD-L1 interaction. RSC Advances, 2019, 9, 14944-14956.	3.6	23
76	BARâ€based optimum adaptive steered MD for configurational sampling. Journal of Computational Chemistry, 2019, 40, 1270-1289.	3.3	22
77	Determination of binding affinities of 3-Hydroxy-3-Methylglutaryl Coenzyme A reductase inhibitors from free energy calculation. Chemical Physics Letters, 2019, 723, 1-10.	2.6	11
78	DeepDDG: Predicting the Stability Change of Protein Point Mutations Using Neural Networks. Journal of Chemical Information and Modeling, 2019, 59, 1508-1514.	5.4	146
79	Formation mechanism and spectroscopy of C ₆ H radicals in extreme environments: a theoretical study. Physical Chemistry Chemical Physics, 2019, 21, 23044-23055.	2.8	5
80	Accurate and Efficient Calculation of Protein–Protein Binding Free Energy-Interaction Entropy with Residue Type-Specific Dielectric Constants. Journal of Chemical Information and Modeling, 2019, 59, 272-281.	5.4	37
81	Calculation of hot spots for protein–protein interaction in p53/PMIâ€MDM2/MDMX complexes. Journal of Computational Chemistry, 2019, 40, 1045-1056.	3.3	22
82	An efficient method for computing excess free energy of liquid. Science China Chemistry, 2018, 61, 135-140.	8.2	20
83	Computational Protein Design with Deep Learning Neural Networks. Scientific Reports, 2018, 8, 6349.	3.3	112
84	A quantum mechanical computational method for modeling electrostatic and solvation effects of protein. Scientific Reports, 2018, 8, 5475.	3.3	10
85	Computational Alanine Scanning with Interaction Entropy for Protein–Ligand Binding Free Energies. Journal of Chemical Theory and Computation, 2018, 14, 1772-1780.	5.3	78
86	A Coupled Ionization-Conformational Equilibrium Is Required To Understand the Properties of Ionizable Residues in the Hydrophobic Interior of Staphylococcal Nuclease. Journal of the American Chemical Society, 2018, 140, 1639-1648.	13.7	22
87	BAR-based optimum adaptive sampling regime for variance minimization in alchemical transformation: the nonequilibrium stratification. Physical Chemistry Chemical Physics, 2018, 20, 2009-2021.	2.8	31
88	Assessing the performance of MM/PBSA and MM/GBSA methods. 7. Entropy effects on the performance of end-point binding free energy calculation approaches. Physical Chemistry Chemical Physics, 2018, 20, 14450-14460.	2.8	243
89	Interaction entropy for computational alanine scanning in protein-protein binding. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2018, 8, e1342.	14.6	51
90	Hydrogen-bond structure dynamics in bulk water: insights from <i>ab initio</i> simulations with coupled cluster theory. Chemical Science, 2018, 9, 2065-2073.	7.4	98

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91	ES2 enhances the efficacy of chemotherapeutic agents in ABCB1-overexpressing cancer cells in vitro and in vivo. Pharmacological Research, 2018, 129, 388-399.	7.1	10
92	The impact of interior dielectric constant and entropic change on HIV-1 complex binding free energy prediction. Structural Dynamics, 2018, 5, 064101.	2.3	44
93	Effect of Substituents in Different Positions of Aminothiazole Hinge-Binding Scaffolds on Inhibitor–CDK2 Association Probed by Interaction Entropy Method. ACS Omega, 2018, 3, 18052-18064.	3.5	18
94	Probing the Ion-Specific Effects at the Water/Air Interface and Water-Mediated Ion Pairing in Sodium Halide Solution with <i>Ab Initio</i> Molecular Dynamics. Journal of Physical Chemistry B, 2018, 122, 10202-10209.	2.6	19
95	Exploring the Reasons for Decrease in Binding Affinity of HIV-2 Against HIV-1 Protease Complex Using Interaction Entropy Under Polarized Force Field. Frontiers in Chemistry, 2018, 6, 380.	3.6	14
96	Comparison of the unfolding and oligomerization of human prion protein under acidic and neutral environments by molecular dynamics simulations. Chemical Physics Letters, 2018, 706, 594-600.	2.6	5
97	Residue-specific free energy analysis in ligand bindings to JAK2. Molecular Physics, 2018, 116, 2633-2641.	1.7	16
98	Performance Comparison of Systematic Methods for Rigorous Definition of Coarse-Grained Sites of Large Biomolecules. Journal of Chemical Information and Modeling, 2017, 57, 214-222.	5.4	6
99	Protein simulation using coarse-grained two-bead multipole force field with polarizable water models. Journal of Chemical Physics, 2017, 146, 065101.	3.0	3
100	Effect of polarization on HIV-1protease and fluoro-substituted inhibitors binding energies by large scale molecular dynamics simulations. Scientific Reports, 2017, 7, 42223.	3.3	20
101	Two-bead polarizable water models combined with a two-bead multipole force field (TMFF) for coarse-grained simulation of proteins. Physical Chemistry Chemical Physics, 2017, 19, 7410-7419.	2.8	9
102	Structure of liquid water – a dynamical mixture of tetrahedral and â€~ring-and-chain' like structures. Physical Chemistry Chemical Physics, 2017, 19, 11931-11936.	2.8	50
103	Interaction Entropy for Computational Alanine Scanning. Journal of Chemical Information and Modeling, 2017, 57, 1112-1122.	5.4	80
104	Fragment Quantum Mechanical Method for Large-Sized Ion–Water Clusters. Journal of Chemical Theory and Computation, 2017, 13, 2021-2034.	5.3	54
105	Direct folding simulation of helical proteins using an effective polarizable bond force field. Physical Chemistry Chemical Physics, 2017, 19, 15273-15284.	2.8	13
106	Interaction entropy for protein-protein binding. Journal of Chemical Physics, 2017, 146, 124124.	3.0	92
107	Full QM Calculation of RNA Energy Using Electrostatically Embedded Generalized Molecular Fractionation with Conjugate Caps Method. Journal of Physical Chemistry A, 2017, 121, 2503-2514.	2.5	21
108	Optimization of convergence criteria for fragmentation methods. Chemical Physics Letters, 2017, 687, 163-170.	2.6	18

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109	Computational search for aflatoxin binding proteins. Chemical Physics Letters, 2017, 685, 1-8.	2.6	16
110	Origins of Protons in C–H Bond Insertion Products of Phenols: Proton-Self-Sufficient Function via Water Molecules. Journal of Physical Chemistry A, 2017, 121, 6523-6529.	2.5	8
111	A theoretical study of the substituent effect on reactions of amines, carbon dioxide and ethylene oxide catalyzed by binary ionic liquids. RSC Advances, 2017, 7, 51521-51527.	3.6	11
112	Activatable Nearâ€Infrared Probe for Fluorescence Imaging of γâ€Glutamyl Transpeptidase in Tumor Cells and In Vivo. Chemistry - A European Journal, 2017, 23, 14778-14785.	3.3	69
113	Protonation-dependent base flipping in the catalytic triad of a small RNA. Chemical Physics Letters, 2017, 684, 239-244.	2.6	28
114	Protein–Ligand Empirical Interaction Components for Virtual Screening. Journal of Chemical Information and Modeling, 2017, 57, 1793-1806.	5.4	51
115	<i>Ab initio</i> Quantum Mechanics/Molecular Mechanics Molecular Dynamics Simulation of CO in the Heme Distal Pocket of Myoglobin. Chinese Journal of Chemical Physics, 2017, 30, 705-716.	1.3	5
116	Computational Study of PCSK9-EGFA Complex with Effective Polarizable Bond Force Field. Frontiers in Molecular Biosciences, 2017, 4, 101.	3.5	3
117	BAR-based optimum adaptive sampling regime for variance minimization in alchemical transformation. Physical Chemistry Chemical Physics, 2017, 19, 15005-15020.	2.8	41
118	A new algorithm for construction of coarse-grained sites of large biomolecules. Journal of Computational Chemistry, 2016, 37, 795-804.	3.3	18
119	Constructing Optimal Coarse-Grained Sites of Huge Biomolecules by Fluctuation Maximization. Journal of Chemical Theory and Computation, 2016, 12, 2091-2100.	5.3	19
120	Interaction Entropy: A New Paradigm for Highly Efficient and Reliable Computation of Protein–Ligand Binding Free Energy. Journal of the American Chemical Society, 2016, 138, 5722-5728.	13.7	297
121	PBSA_E: A PBSA-Based Free Energy Estimator for Protein–Ligand Binding Affinity. Journal of Chemical Information and Modeling, 2016, 56, 854-861.	5.4	12
122	DFT Calculations on the Mechanism of Transition-Metal-Catalyzed Reaction of Diazo Compounds with Phenols: O–H Insertion versus C–H Insertion. Journal of Physical Chemistry A, 2016, 120, 6485-6492.	2.5	45
123	The origin of the cooperativity in the streptavidin-biotin system: A computational investigation through molecular dynamics simulations. Scientific Reports, 2016, 6, 27190.	3.3	28
124	TMFF—A Two-Bead Multipole Force Field for Coarse-Grained Molecular Dynamics Simulation of Protein. Journal of Chemical Theory and Computation, 2016, 12, 6147-6156.	5.3	12
125	Calculations of Solvation Free Energy through Energy Reweighting from Molecular Mechanics to Quantum Mechanics. Journal of Chemical Theory and Computation, 2016, 12, 499-511.	5.3	78
126	Fragment quantum chemical approach to geometry optimization and vibrational spectrum calculation of proteins. Physical Chemistry Chemical Physics, 2016, 18, 1864-1875.	2.8	60

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127	Mechanistic Investigation of Aromatic C(sp ²)–H and Alkyl C(sp ³)–H Bond Insertion by Gold Carbenes. Journal of Physical Chemistry A, 2016, 120, 1925-1932.	2.5	29
128	Origins of unique gold-catalysed chemo- and site-selective C–H functionalization of phenols with diazo compounds. Chemical Science, 2016, 7, 1988-1995.	7.4	118
129	Quantum mechanical calculation of electric fields and vibrational Stark shifts at active site of human aldose reductase. Journal of Chemical Physics, 2015, 143, 184111.	3.0	11
130	Calculation of protein–ligand binding affinities based on a fragment quantum mechanical method. RSC Advances, 2015, 5, 107020-107030.	3.6	47
131	Glycosylation Modulates Human CD2-CD58 Adhesion via Conformational Adjustment. Journal of Physical Chemistry B, 2015, 119, 6493-6501.	2.6	13
132	Quantum Fragment Based <i>ab Initio</i> Molecular Dynamics for Proteins. Journal of Chemical Theory and Computation, 2015, 11, 5897-5905.	5.3	59
133	A Comparative Insight into Amprenavir Resistance of Mutations V32I, G48V, I50V, I54V, and I84V in HIV-1 Protease Based on Thermodynamic Integration and MM-PBSA Methods. Journal of Chemical Information and Modeling, 2015, 55, 1903-1913.	5.4	118
134	Combined effect of confinement and affinity of crowded environment on conformation switching of adenylate kinase. Journal of Molecular Modeling, 2014, 20, 2530.	1.8	7
135	Structure, mechanism, and enantioselectivity shifting of lipase LipK107 with a simple way. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1183-1192.	2.3	6
136	Fragment Quantum Mechanical Calculation of Proteins and Its Applications. Accounts of Chemical Research, 2014, 47, 2748-2757.	15.6	173
137	Electronic polarization stabilizes tertiary structure prediction of HP-36. Journal of Molecular Modeling, 2014, 20, 2195.	1.8	9
138	Interaction specific binding hotspots in Endonuclease colicin-immunity protein complex from MD simulations. Science China Chemistry, 2013, 56, 1143-1151.	8.2	7
139	The intrinsic helical propensities of the helical fragments in prion protein under neutral and low pH conditions: a replica exchange molecular dynamics study. Journal of Molecular Modeling, 2013, 19, 4897-4908.	1.8	8
140	A New Quantum Calibrated Force Field for Zinc–Protein Complex. Journal of Chemical Theory and Computation, 2013, 9, 1788-1798.	5.3	44
141	Predicting Mutation-Induced Stark Shifts in the Active Site of a Protein with a Polarized Force Field. Journal of Physical Chemistry A, 2013, 117, 6015-6023.	2.5	23
142	Automated Fragmentation QM/MM Calculation of Amide Proton Chemical Shifts in Proteins with Explicit Solvent Model. Journal of Chemical Theory and Computation, 2013, 9, 2104-2114.	5.3	73
143	Electrostatically Embedded Generalized Molecular Fractionation with Conjugate Caps Method for Full Quantum Mechanical Calculation of Protein Energy. Journal of Physical Chemistry A, 2013, 117, 7149-7161.	2.5	93
144	Development of an Effective Polarizable Bond Method for Biomolecular Simulation. Journal of Physical Chemistry B, 2013, 117, 14885-14893.	2.6	19

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145	Direct folding simulation of a long helix in explicit water. Applied Physics Letters, 2013, 102, .	3.3	11
146	An improved fragment-based quantum mechanical method for calculation of electrostatic solvation energy of proteins. Journal of Chemical Physics, 2013, 139, 214104.	3.0	34
147	The F130L mutation in streptavidin reduces its binding affinity to biotin through electronic polarization effect. Journal of Computational Chemistry, 2013, 34, 2677-2686.	3.3	16
148	Fragment density functional theory calculation of NMR chemical shifts for proteins with implicit solvation. Physical Chemistry Chemical Physics, 2012, 14, 7837-7845.	2.8	74
149	Polarization of Intraprotein Hydrogen Bond Is Critical to Thermal Stability of Short Helix. Journal of Physical Chemistry B, 2012, 116, 549-554.	2.6	39
150	Studying the Effect of Site-Specific Hydrophobicity and Polarization on Hydrogen Bond Energy of Protein Using a Polarizable Method. Journal of Chemical Theory and Computation, 2012, 8, 2157-2164.	5.3	21
151	Folding of a Helix Is Critically Stabilized by Polarization of Backbone Hydrogen Bonds: Study in Explicit Water. Journal of Physical Chemistry B, 2012, 116, 3430-3435.	2.6	27
152	Effect of interprotein polarization on protein–protein binding energy. Journal of Computational Chemistry, 2012, 33, 1416-1420.	3.3	19
153	Structure and Dynamics of a Dizinc Metalloprotein: Effect of Charge Transfer and Polarization. Journal of Physical Chemistry B, 2011, 115, 10154-10162.	2.6	24
154	Folding of a Helix at Room Temperature Is Critically Aided by Electrostatic Polarization of Intraprotein Hydrogen Bonds. Journal of the American Chemical Society, 2010, 132, 11159-11164.	13.7	88
155	Electrostatic Polarization Makes a Substantial Contribution to the Free Energy of Avidinâ^'Biotin Binding. Journal of the American Chemical Society, 2010, 132, 5137-5142.	13.7	105
156	Intra-protein hydrogen bonding is dynamically stabilized by electronic polarization. Journal of Chemical Physics, 2009, 130, 115102.	3.0	58
157	Simulation of NMR Data Reveals That Proteins' Local Structures Are Stabilized by Electronic Polarization. Journal of the American Chemical Society, 2009, 131, 8636-8641.	13.7	57
158	Selectivity of Neutral/Weakly Basic P1 Group Inhibitors of Thrombin and Trypsin by a Molecular Dynamics Study. Chemistry - A European Journal, 2008, 14, 8704-8714.	3.3	69
159	Developing Polarized Protein-Specific Charges for Protein Dynamics: MD Free Energy Calculation of pKa Shifts for Asp26/Asp20 in Thioredoxin. Biophysical Journal, 2008, 95, 1080-1088.	O.5	151
160	A Non-derivative MFCC Optimization Study of Cyclohexapeptide Monohydrate. Chinese Journal of Chemical Physics, 2007, 20, 431-437.	1.3	2
161	Quantum and Molecular Dynamics Study for Binding of Macrocyclic Inhibitors to Human α-Thrombin. Biophysical Journal, 2007, 92, 4244-4253.	O.5	43
162	The generalized molecular fractionation with conjugate caps/molecular mechanics method for direct calculation of protein energy. Journal of Chemical Physics, 2006, 124, 184703.	3.0	90

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#	ARTICLE	IF	CITATIONS
163	A new method for direct calculation of total energy of protein. Journal of Chemical Physics, 2005, 122, 031103.	3.0	119
164	Discovery of a Potent and Selective Inhibitor of Cyclin-Dependent Kinase 4/6. Journal of Medicinal Chemistry, 2005, 48, 2388-2406.	6.4	438
165	An efficient approach for ab initio energy calculation of biopolymers. Journal of Chemical Physics, 2005, 122, 184105.	3.0	96
166	Brownian Dynamics Simulations of Polyalanine in Salt Solutions. The Journal of Physical Chemistry, 1996, 100, 15280-15289.	2.9	10