

Adam Liwo

List of Publications by Year in descending order

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242
papers

7,973
citations

53794

45
h-index

74163

75
g-index

248
all docs

248
docs citations

248
times ranked

4921
citing authors

#	ARTICLE	IF	CITATIONS
1	Principal Component Analysis for Protein Folding Dynamics. <i>Journal of Molecular Biology</i> , 2009, 385, 312-329.	4.2	331
2	Protein-Folding Dynamics: Overview of Molecular Simulation Techniques. <i>Annual Review of Physical Chemistry</i> , 2007, 58, 57-83.	10.8	329
3	Ab initio simulations of protein-folding pathways by molecular dynamics with the united-residue model of polypeptide chains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 2362-2367.	7.1	256
4	Cumulant-based expressions for the multibody terms for the correlation between local and electrostatic interactions in the united-residue force field. <i>Journal of Chemical Physics</i> , 2001, 115, 2323-2347.	3.0	236
5	Modification and Optimization of the United-Residue (UNRES) Potential Energy Function for Canonical Simulations. I. Temperature Dependence of the Effective Energy Function and Tests of the Optimization Method with Single Training Proteins. <i>Journal of Physical Chemistry B</i> , 2007, 111, 260-285.	2.6	184
6	Computational techniques for efficient conformational sampling of proteins. <i>Current Opinion in Structural Biology</i> , 2008, 18, 134-139.	5.7	170
7	Polyproline II conformation is one of many local conformational states and is not an overall conformation of unfolded peptides and proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1744-1749.	7.1	156
8	Molecular Dynamics with the United-Residue Model of Polypeptide Chains. II. Langevin and Berendsen-Bath Dynamics and Tests on Model α -Helical Systems. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13798-13810.	2.6	144
9	Relation between Free Energy Landscapes of Proteins and Dynamics. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 583-595.	5.3	132
10	A unified coarse-grained model of biological macromolecules based on mean-field multipole-multipole interactions. <i>Journal of Molecular Modeling</i> , 2014, 20, 2306.	1.8	123
11	A method for optimizing potential-energy functions by a hierarchical design of the potential-energy landscape: Application to the UNRES force field. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1937-1942.	7.1	122
12	Molecular Dynamics with the United-Residue Model of Polypeptide Chains. I. Lagrange Equations of Motion and Tests of Numerical Stability in the Microcanonical Mode. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13785-13797.	2.6	114
13	Parametrization of Backbone Electrostatic and Multibody Contributions to the UNRES Force Field for Protein-Structure Prediction from Ab Initio Energy Surfaces of Model Systems. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9421-9438.	2.6	113
14	A general method for the determination of the stoichiometry of unknown species in multicomponent systems from physicochemical measurements. <i>Computers & Chemistry</i> , 1987, 11, 195-210.	1.2	105
15	Blind prediction of homo- and hetero-protein complexes: The CASP13-CAPRI experiment. <i>Proteins: Structure, Function and Bioinformatics</i> , 2019, 87, 1200-1221.	2.6	99
16	Calculation of protein conformation by global optimization of a potential energy function. <i>Proteins: Structure, Function and Bioinformatics</i> , 1999, 37, 204-208.	2.6	96
17	CAS MCSCF/CAS MCQDPT2 Study of the Mechanism of Singlet Oxygen Addition to 1,3-Butadiene and Benzene. <i>Journal of the American Chemical Society</i> , 2000, 122, 8112-8119.	13.7	95
18	Application of Multiplexed Replica Exchange Molecular Dynamics to the UNRES Force Field: Tests with α and β Proteins. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 627-640.	5.3	93

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19	Investigation of Protein Folding by Coarse-Grained Molecular Dynamics with the UNRES Force Field. <i>Journal of Physical Chemistry A</i> , 2010, 114, 4471-4485.	2.5	91
20	Molecular simulation study of cooperativity in hydrophobic association. <i>Protein Science</i> , 2000, 9, 1235-1245.	7.6	90
21	Mechanism of Fiber Assembly: Treatment of $\hat{\alpha}^2$ Peptide Aggregation with a Coarse-Grained United-Residue Force Field. <i>Journal of Molecular Biology</i> , 2010, 404, 537-552.	4.2	87
22	Coupling Between Folding and Ionization Equilibria: Effects of pH on the Conformational Preferences of Polypeptides. <i>Journal of Molecular Biology</i> , 1996, 264, 770-783.	4.2	85
23	Potential of Mean Force of Association of Large Hydrophobic Particles: Toward the Nanoscale Limit. <i>Journal of Physical Chemistry B</i> , 2010, 114, 993-1003.	2.6	79
24	Mean-Field Interactions between Nucleic-Acid-Base Dipoles can Drive the Formation of a Double Helix. <i>Physical Review Letters</i> , 2013, 110, 098101.	7.8	74
25	Optimization of the UNRES Force Field by Hierarchical Design of the Potential-Energy Landscape. 3. Use of Many Proteins in Optimization. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16950-16959.	2.6	73
26	Coarse-grained force field: general folding theory. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16890.	2.8	73
27	Prediction of protein assemblies, the next frontier: The $\langle \text{scp} \rangle$ CASP14 $\hat{\alpha}$ -CAPRI experiment. <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 1800-1823.	2.6	73
28	Optimization of the UNRES Force Field by Hierarchical Design of the Potential-Energy Landscape. 2. Off-Lattice Tests of the Method with Single Proteins. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16934-16949.	2.6	68
29	Kinetic Studies of Folding of the B-domain of Staphylococcal Protein A with Molecular Dynamics and a United-residue (UNRES) Model of Polypeptide Chains. <i>Journal of Molecular Biology</i> , 2006, 355, 536-547.	4.2	66
30	$\hat{\alpha}^2$ -hairpin-forming peptides; models of early stages of protein folding. <i>Biophysical Chemistry</i> , 2010, 151, 1-9.	2.8	65
31	Development of Physics-Based Energy Functions that Predict Medium-Resolution Structures for Proteins of the $\hat{\alpha}$, $\hat{\alpha}^2$, and $\hat{\alpha}/\hat{\alpha}^2$ Structural Classes. <i>Journal of Physical Chemistry B</i> , 2001, 105, 7299-7311.	2.6	64
32	Exploring the parameter space of the coarse-grained UNRES force field by random search: Selecting a transferable medium-resolution force field. <i>Journal of Computational Chemistry</i> , 2009, 30, 2127-2135.	3.3	64
33	Potential of Mean Force of Hydrophobic Association: Dependence on Solute Size. <i>Journal of Physical Chemistry B</i> , 2007, 111, 10765-10774.	2.6	63
34	Simulation of the Opening and Closing of Hsp70 Chaperones by Coarse-Grained Molecular Dynamics. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 1750-1764.	5.3	63
35	Lessons from application of the UNRES force field to predictions of structures of CASP10 targets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14936-14941.	7.1	62
36	Exploration of the conformational space of oxytocin and arginine-vasopressin using the electrostatically driven Monte Carlo and molecular dynamics methods. , 1998, 38, 157-175.		61

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37	Determination of the Potentials of Mean Force for Rotation about C α -C β Virtual Bonds in Polypeptides from the ab Initio Energy Surfaces of Terminally Blocked Glycine, Alanine, and Proline. <i>Journal of Physical Chemistry A</i> , 2003, 107, 8035-8046.	2.5	60
38	Electrochemical and UV-spectrophotometric study of oxygen and superoxide anion radical interaction with anthraquinone derivatives and their radical anions. <i>Electrochimica Acta</i> , 2000, 45, 3581-3587.	5.2	56
39	UNRES server for physics-based coarse-grained simulations and prediction of protein structure, dynamics and thermodynamics. <i>Nucleic Acids Research</i> , 2018, 46, W304-W309.	14.5	56
40	A Study of the β -Helical Intermediate Preceding the Aggregation of the Amino-Terminal Fragment of the β^2 Amyloid Peptide (A β ₁₋₂₈). <i>Journal of Physical Chemistry B</i> , 2011, 115, 12978-12983.	2.6	53
41	Further Evidence for the Absence of Polyproline II Stretch in the XAO Peptide. <i>Biophysical Journal</i> , 2007, 92, 2904-2917.	0.5	51
42	New developments of the electrostatically driven monte carlo method: Test on the membrane-bound portion of melittin. , 1998, 46, 117-126.		49
43	Molecular dynamics study of a gelsolin-derived peptide binding to a lipid bilayer containing phosphatidylinositol 4,5-bisphosphate. <i>Biopolymers</i> , 2003, 71, 49-70.	2.4	49
44	Conformational Dynamics of the Trp-Cage Miniprotein at Its Folding Temperature. <i>Journal of Physical Chemistry B</i> , 2012, 116, 6898-6907.	2.6	49
45	How Adequate are One- and Two-Dimensional Free Energy Landscapes for Protein Folding Dynamics?. <i>Physical Review Letters</i> , 2009, 102, 238102.	7.8	48
46	WeFold: A competition for protein structure prediction. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014, 82, 1850-1868.	2.6	48
47	A general method for the derivation of the functional forms of the effective energy terms in coarse-grained energy functions of polymers. I. Backbone potentials of coarse-grained polypeptide chains. <i>Journal of Chemical Physics</i> , 2017, 146, 124106.	3.0	48
48	Diffusion Equation and Distance Scaling Methods of Global Optimization: Applications to Crystal Structure Prediction. <i>Journal of Physical Chemistry A</i> , 1998, 102, 2904-2918.	2.5	46
49	Molecular Dynamics with the United-Residue Force Field: Ab Initio Folding Simulations of Multichain Proteins. <i>Journal of Physical Chemistry B</i> , 2007, 111, 293-309.	2.6	46
50	Implementation of Molecular Dynamics and Its Extensions with the Coarse-Grained UNRES Force Field on Massively Parallel Systems: Toward Millisecond-Scale Simulations of Protein Structure, Dynamics, and Thermodynamics. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 890-909.	5.3	46
51	Energy-based reconstruction of a protein backbone from its γ -carbon trace by a Monte-Carlo method. <i>Journal of Computational Chemistry</i> , 2002, 23, 715-723.	3.3	45
52	Performance of protein-structure predictions with the physics-based UNRES force field in CASP11. <i>Bioinformatics</i> , 2016, 32, 3270-3278.	4.1	44
53	An Improved Functional Form for the Temperature Scaling Factors of the Components of the Mesoscopic UNRES Force Field for Simulations of Protein Structure and Dynamics. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8738-8744.	2.6	42
54	A general method for the derivation of the functional forms of the effective energy terms in coarse-grained energy functions of polymers. III. Determination of scale-consistent backbone-local and correlation potentials in the UNRES force field and force-field calibration and validation. <i>Journal of Chemical Physics</i> , 2019, 150, 155104.	3.0	42

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55	Electrochemical study of oxygen interaction with lapachol and its radical anions. <i>Bioelectrochemistry</i> , 2003, 59, 85-87.	4.6	40
56	Photophysical Properties of Tyrosine and Its Simple Derivatives Studied by Time-Resolved Fluorescence Spectroscopy, Global Analysis, and Theoretical Calculations. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3879-3889.	2.6	40
57	Implementation of a symplectic multiple-time-step molecular dynamics algorithm, based on the united-residue mesoscopic potential energy function. <i>Journal of Chemical Physics</i> , 2006, 125, 204107.	3.0	40
58	PDZ Binding to the BAR Domain of PICK1 is Elucidated by Coarse-grained Molecular Dynamics. <i>Journal of Molecular Biology</i> , 2011, 405, 298-314.	4.2	40
59	DNA Duplex Formation with a Coarse-Grained Model. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 5020-5035.	5.3	39
60	Physics-Based Potentials for the Coupling between Backbone- and Side-Chain-Local Conformational States in the United Residue (UNRES) Force Field for Protein Simulations. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 817-831.	5.3	39
61	Insights into the structure and dynamics of lysyl oxidase propeptide, a flexible protein with numerous partners. <i>Scientific Reports</i> , 2018, 8, 11768.	3.3	39
62	Efficient parallel algorithms in global optimization of potential energy functions for peptides, proteins, and crystals. <i>Computer Physics Communications</i> , 2000, 128, 399-411.	7.5	38
63	Implementations of Nosé-Hoover and Nosé-Poincaré thermostats in mesoscopic dynamic simulations with the united-residue model of a polypeptide chain. <i>Journal of Chemical Physics</i> , 2008, 128, 245103.	3.0	38
64	Maximum Likelihood Calibration of the UNRES Force Field for Simulation of Protein Structure and Dynamics. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 2364-2377.	5.4	38
65	An Efficient Deformation-Based Global Optimization Method (Self-Consistent Basin-to-Deformed-Basin) <i>Tj ETQq1 1 0.784314 rgBT /Over</i> 1999, 103, 9370-9377.	2.5	37
66	Topology of Type II REases revisited; structural classes and the common conserved core. <i>Nucleic Acids Research</i> , 2007, 35, 2227-2237.	14.5	37
67	Hierarchical energy-based approach to protein-structure prediction: Blind-test evaluation with CASP3 targets. <i>International Journal of Quantum Chemistry</i> , 2000, 77, 90-117.	2.0	36
68	Can cooperativity in hydrophobic association be reproduced correctly by implicit solvation models?. <i>International Journal of Quantum Chemistry</i> , 2002, 88, 41-55.	2.0	36
69	Simple Physics-Based Analytical Formulas for the Potentials of Mean Force for the Interaction of Amino Acid Side Chains in Water. IV. Pairs of Different Hydrophobic Side Chains. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11385-11395.	2.6	36
70	Determination of side-chain rotamer and side-chain and backbone virtual bond stretching potentials of mean force from AM1 energy surfaces of terminally blocked amino acid residues, for coarse-grained simulations of protein structure and folding. II. Results, comparison with statistical potentials, and implementation in the UNRES force field. <i>Journal of Computational Chemistry</i> , 2010, 31, 1154-1167.	3.3	36
71	Folding kinetics of WW domains with the united residue force field for bridging microscopic motions and experimental measurements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18243-18248.	7.1	36
72	Comparison of the low energy conformations of an oncogenic and a non-oncogenic p21 protein, neither of which binds GTP or GDP. <i>The Protein Journal</i> , 1994, 13, 237-251.	1.1	35

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73	Improved conformational space annealing method to treat $\hat{\Gamma}^2$ -structure with the UNRES force-field and to enhance scalability of parallel implementation. <i>Polymer</i> , 2004, 45, 677-686.	3.8	34
74	A Maximum-Likelihood Approach to Force-Field Calibration. <i>Journal of Chemical Information and Modeling</i> , 2015, 55, 2050-2070.	5.4	34
75	Addition of side chains to a known backbone with defined side-chain centroids. <i>Biophysical Chemistry</i> , 2002, 100, 261-280.	2.8	33
76	Molecular Simulation Study of the Potentials of Mean Force for the Interactions between Models of Like-Charged and between Charged and Nonpolar Amino Acid Side Chains in Water. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13496-13504.	2.6	33
77	Prediction of the structures of proteins with the UNRES force field, including dynamic formation and breaking of disulfide bonds. <i>Protein Engineering, Design and Selection</i> , 2004, 17, 29-36.	2.1	33
78	Simple Physics-Based Analytical Formulas for the Potentials of Mean Force for the Interaction of Amino Acid Side Chains in Water. 3. Calculation and Parameterization of the Potentials of Mean Force of Pairs of Identical Hydrophobic Side Chains. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2925-2931.	2.6	33
79	Molecular modeling of the binding modes of the iron-sulfur protein to the Jac1 co-chaperone from <i>Saccharomyces cerevisiae</i> by all-atom and coarse-grained approaches. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1414-1426.	2.6	32
80	Evidence, from Simulations, of a Single State with Residual Native Structure at the Thermal Denaturation Midpoint of a Small Globular Protein. <i>Journal of the American Chemical Society</i> , 2010, 132, 9444-9452.	13.7	31
81	Determination of Effective Potentials for the Stretching of C^{\pm} Virtual Bonds in Polypeptide Chains for Coarse-Grained Simulations of Proteins from <i>ab Initio</i> Energy Surfaces of N-Methylacetamide and N-Acetylpyrrolidine. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 1334-1343.	5.3	31
82	Molecular simulation study of cooperativity in hydrophobic association: clusters of four hydrophobic particles. <i>Biophysical Chemistry</i> , 2003, 105, 339-359.	2.8	30
83	Optimization of the UNRES Force Field by Hierarchical Design of the Potential-Energy Landscape. 1. Tests of the Approach Using Simple Lattice Protein Models. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16918-16933.	2.6	30
84	Simple Physics-Based Analytical Formulas for the Potentials of Mean Force of the Interaction of Amino-Acid Side Chains in Water. VI. Oppositely Charged Side Chains. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6130-6137.	2.6	30
85	Improvement of the Treatment of Loop Structures in the UNRES Force Field by Inclusion of Coupling between Backbone- and Side-Chain-Local Conformational States. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 4620-4632.	5.3	30
86	Surmounting the Multiple-Minima Problem in Protein Folding. <i>Journal of Global Optimization</i> , 1999, 15, 235-260.	1.8	29
87	Molecular Origin of Anticooperativity in Hydrophobic Association. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8108-8119.	2.6	29
88	Theory and Practice of Coarse-Grained Molecular Dynamics of Biologically Important Systems. <i>Biomolecules</i> , 2021, 11, 1347.	4.0	29
89	Theoretical and electrochemical study of the mechanism of anthraquinone-mediated one-electron reduction of oxygen: the involvement of adducts of dioxygen species to anthraquinones. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 229-236.	0.9	28
90	Coarse-grained model of nucleic acid bases. <i>Journal of Computational Chemistry</i> , 2010, 31, 1644-1655.	3.3	28

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91	Simple Physics-Based Analytical Formulas for the Potentials of Mean Force of the Interaction of Amino-Acid Side Chains in Water. V. Like-Charged Side Chains. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6119-6129.	2.6	28
92	Simple Physics-Based Analytical Formulas for the Potentials of Mean Force for the Interaction of Amino Acid Side Chains in Water. 2. Tests with Simple Spherical Systems. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2917-2924.	2.6	27
93	Assessment of chemical-assisted protein structure modeling in CASP13. <i>Proteins: Structure, Function and Bioinformatics</i> , 2019, 87, 1283-1297.	2.6	27
94	Ab Initio Study of Energetics of Protonation and Hydrogen Bonding of Pyridine-N-Oxide and Its Derivatives. <i>Journal of Physical Chemistry A</i> , 1999, 103, 11104-11108.	2.5	26
95	Prediction of protein structure with the coarse-grained UNRES force field assisted by small X-ray scattering data and knowledge-based information. <i>Proteins: Structure, Function and Bioinformatics</i> , 2018, 86, 228-239.	2.6	26
96	Prediction of protein structure using a knowledge-based off-lattice united-residue force field and global optimization methods. <i>Theoretical Chemistry Accounts</i> , 1999, 101, 16-20.	1.4	25
97	Optimization of a Nucleic Acids united-RESidue 2-Point model (NARES-2P) with a maximum-likelihood approach. <i>Journal of Chemical Physics</i> , 2015, 143, 243111.	3.0	25
98	The role of the Val57 amino-acid residue in the hinge loop of the human cystatin C. Conformational studies of the beta1-beta3 segments of wild-type human cystatin C and its mutants. <i>Biopolymers</i> , 2009, 91, 373-383.	2.4	24
99	Theoretical Studies on the Structure, Stability, Ability To Undergo Internal Transformations, and Tautomerization, as Well as Reactivity, of H2PPH2 and HPPH3 Molecules. <i>Journal of the American Chemical Society</i> , 1995, 117, 2638-2648.	13.7	23
100	Mechanism of formation of the C-terminal hairpin of the B3 domain of the immunoglobulin binding protein G from <i>Streptococcus</i> . I. Importance of hydrophobic interactions in stabilization of hairpin structure. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 75, 931-953.	2.6	23
101	Folding and Self-Assembly of a Small Protein Complex. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 3416-3422.	5.3	23
102	Calculation of protein conformation by global optimization of a potential energy function. <i>Proteins: Structure, Function and Bioinformatics</i> , 1999, 37, 204-208.	2.6	23
103	Acid-base and cationic homoconjugation equilibria of substituted pyridine N-oxides in acetone. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 3853-3856.	1.7	22
104	Evolution of physics-based methodology for exploring the conformational energy landscape of proteins. <i>Journal of Computational Chemistry</i> , 2002, 23, 28-34.	3.3	22
105	A united residue force-field for calcium-protein interactions. <i>Protein Science</i> , 2009, 13, 2725-2735.	7.6	22
106	Simple Physics-Based Analytical Formulas for the Potentials of Mean Force for the Interaction of Amino Acid Side Chains in Water. 1. Approximate Expression for the Free Energy of Hydrophobic Association Based on a Gaussian-Overlap Model. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2910-2916.	2.6	21
107	Electrochemical studies of isolapachol with emphasis on oxygen interaction with its radical anions. <i>Journal of Electroanalytical Chemistry</i> , 2004, 566, 25-29.	3.8	20
108	Towards temperature-dependent coarse-grained potentials of side-chain interactions for protein folding simulations. I: Molecular dynamics study of a pair of methane molecules in water at various temperatures. <i>Protein Engineering, Design and Selection</i> , 2009, 22, 547-552.	2.1	20

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109	Extension of UNRES Force Field to Treat Polypeptide Chains with α -Amino Acid Residues. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 4746-4757.	5.3	20
110	Coexistence of Phases in a Protein Heterodimer. <i>Journal of Chemical Physics</i> , 2012, 137, 035101.	3.0	20
111	Scale-consistent approach to the derivation of coarse-grained force fields for simulating structure, dynamics, and thermodynamics of biopolymers. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 170, 73-122.	1.7	20
112	An Efficient Deformation-Based Global Optimization Method for Off-Lattice Polymer Chains: Self-Consistent Basin-to-Deformed-Basin Mapping (SCBDBM). Application to United-Residue Polypeptide Chains. <i>Journal of Physical Chemistry B</i> , 1999, 103, 7353-7366.	2.6	19
113	Comment on "Anti-cooperativity in hydrophobic interactions: A simulation study of spatial dependence of three-body effects and beyond". <i>J. Chem. Phys.</i> 115, 1414 (2001)]. <i>Journal of Chemical Physics</i> , 2002, 116, 2665-2667.	3.0	19
114	Determination of virtual-bond-angle potentials of mean force for coarse-grained simulations of protein structure and folding from ab initio energy surfaces of terminally-blocked glycine, alanine, and proline. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 285203.	1.8	19
115	Determination of the pKa values of some biologically active and inactive hydroxyquinones. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 175-183.	0.6	19
116	Accounting for a mirror-image conformation as a subtle effect in protein folding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8458-8463.	7.1	19
117	Simple Physics-Based Analytical Formulas for the Potentials of Mean Force of the Interaction of Amino Acid Side Chains in Water. VII. Charged "Hydrophobic/Polar and Polar "Hydrophobic/Polar Side Chains. <i>Journal of Physical Chemistry B</i> , 2017, 121, 379-390.	2.6	19
118	Use of the UNRES force field in template-assisted prediction of protein structures and the refinement of server models: Test with CASP12 targets. <i>Journal of Molecular Graphics and Modelling</i> , 2018, 83, 92-99.	2.4	19
119	An analysis and evaluation of the WeFold collaborative for protein structure prediction and its pipelines in CASP11 and CASP12. <i>Scientific Reports</i> , 2018, 8, 9939.	3.3	19
120	Evaluation of the scale-consistent UNRES force field in template-free prediction of protein structures in the CASP13 experiment. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 92, 154-166.	2.4	19
121	Introduction of a bounded penalty function in contact-assisted simulations of protein structures to omit false restraints. <i>Journal of Computational Chemistry</i> , 2019, 40, 2164-2178.	3.3	19
122	Comparison of two approaches to potential of mean force calculations of hydrophobic association: particle insertion and weighted histogram analysis methods. <i>Molecular Physics</i> , 2005, 103, 3153-3167.	1.7	18
123	Acidic-basic properties of three alanine-based peptides containing acidic and basic side chains: Comparison between theory and experiment. <i>Biopolymers</i> , 2008, 90, 724-732.	2.4	18
124	Influence of charge and size of terminal amino acid residues on local conformational states and shape of alanine-based peptides. <i>Biopolymers</i> , 2008, 90, 772-782.	2.4	18
125	Mechanism of formation of the C-terminal β -hairpin of the B3 domain of the immunoglobulin binding protein G from <i>Streptococcus</i> . II. Interplay of local backbone conformational dynamics and long-range hydrophobic interactions in hairpin formation. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 76, 637-654.	2.6	18
126	Local vs Global Motions in Protein Folding. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 2907-2921.	5.3	18

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127	Kinks, loops, and protein folding, with protein A as an example. <i>Journal of Chemical Physics</i> , 2014, 140, 025101.	3.0	18
128	Physics-Based Potentials for Coarse-Grained Modeling of Protein-DNA Interactions. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 1792-1808.	5.3	18
129	Relationship between the Electronic Structure and Acidic-Basic Properties of 4-Substituted Pyridine N-Oxides. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1989, 44, 1263-1270.	0.7	17
130	Absolute Stereochemistry of Soulatrolide and Its Analogues. <i>Journal of Organic Chemistry</i> , 1998, 63, 1233-1238.	3.2	17
131	Conformational solution studies of neuropeptide β using CD and NMR spectroscopy. <i>Journal of Peptide Science</i> , 2002, 8, 211-226.	1.4	17
132	Mechanism of formation of the C-terminal β -hairpin of the B3 domain of the immunoglobulin-binding protein G from <i>Streptococcus</i> . IV. Implication for the mechanism of folding of the parent protein. <i>Biopolymers</i> , 2010, 93, 469-480.	2.4	17
133	Effects of Mutation, Truncation, and Temperature on the Folding Kinetics of a WW Domain. <i>Journal of Molecular Biology</i> , 2012, 420, 350-365.	4.2	17
134	Modeling protein structures with the coarse-grained UNRES force field in the CASP14 experiment. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 108, 108008.	2.4	17
135	Assessment of Two Theoretical Methods to Estimate Potentiometric Titration Curves of Peptides: A Comparison with Experiment. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4451-4458.	2.6	16
136	Revised Backbone-Virtual-Bond-Angle Potentials to Treat the α - and β -Amino Acid Residues in the Coarse-Grained United Residue (UNRES) Force Field. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 2194-2203.	5.3	16
137	Prediction of Protein Structure by Template-Based Modeling Combined with the UNRES Force Field. <i>Journal of Chemical Information and Modeling</i> , 2015, 55, 1271-1281.	5.4	16
138	<i>In situ</i> data analytics and indexing of protein trajectories. <i>Journal of Computational Chemistry</i> , 2017, 38, 1419-1430.	3.3	16
139	A new protein nucleic acid coarse-grained force field based on the UNRES and NARES-2P force fields. <i>Journal of Computational Chemistry</i> , 2018, 39, 2360-2370.	3.3	16
140	Theoretical Calculations of Heteroconjugation Equilibrium Constants in Systems Modeling Acid-Base Interactions in Side Chains of Biomolecules Using the Potential of Mean Force. <i>Journal of Physical Chemistry B</i> , 2004, 108, 12222-12230.	2.6	15
141	Determination of side-chain rotamer and side-chain and backbone virtual-bond stretching potentials of mean force from AM1 energy surfaces of terminally blocked amino acid residues, for coarse-grained simulations of protein structure and folding. I. The method. <i>Journal of Computational Chemistry</i> , 2010, 31, 1143-1153.	3.3	15
142	Use of Restraints from Consensus Fragments of Multiple Server Models To Enhance Protein-Structure Prediction Capability of the UNRES Force Field. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 2263-2279.	5.4	15
143	Dynamics of Disulfide-Bond Disruption and Formation in the Thermal Unfolding of Ribonuclease A. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 5721-5730.	5.3	15
144	A study of cationic heteroconjugation equilibria of substituted pyridine N-oxides in acetonitrile. <i>Analytica Chimica Acta</i> , 1997, 338, 261-267.	5.4	14

#	ARTICLE	IF	CITATIONS
145	UNRES-Dockâ€”proteinâ€”protein and peptideâ€”protein docking by coarse-grained replica-exchange MD simulations. <i>Bioinformatics</i> , 2021, 37, 1613-1615.	4.1	14
146	Modeling the Structure, Dynamics, and Transformations of Proteins with the UNRES Force Field. <i>Methods in Molecular Biology</i> , 2022, 2376, 399-416.	0.9	14
147	Conformational studies of the C-terminal 16â€”aminoâ€”acidâ€”residue fragment of the B3 domain of the immunoglobulin binding protein G from <i>Streptococcus</i> . <i>Biopolymers</i> , 2009, 91, 37-51.	2.4	13
148	Hidden Protein Folding Pathways in Free-Energy Landscapes Uncovered by Network Analysis. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 1176-1189.	5.3	13
149	Extension of the UNRES Coarse-Grained Force Field to Membrane Proteins in the Lipid Bilayer. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7829-7839.	2.6	13
150	UV-spectroscopic study of the influence of traces of water on the protolytic equilibria of substituted pyridine N-oxides in aprotic solvents. <i>Journal of Solution Chemistry</i> , 1990, 19, 1113-1124.	1.2	12
151	Acidity constants of 19 protonated N-bases in cyclohexanone, acetone, and butan-2-one. <i>Journal of Chemical Thermodynamics</i> , 1991, 23, 135-140.	2.0	12
152	Determination of conformational equilibrium of peptides in solution by NMR spectroscopy and theoretical conformational analysis: Application to the calibration of mean-field solvation models. <i>Biopolymers</i> , 2001, 60, 79-95.	2.4	12
153	Theoretical Study of the Energetics of the Reactions of Triplet Dioxygen with Hydroquinone, Semiquinone, and Their Protonated Forms: A Relation to the Mechanism of Superoxide Generation in the Respiratory Chain. <i>Journal of Physical Chemistry B</i> , 2007, 111, 3543-3549.	2.6	12
154	Coarse-Grained Models of Proteins: Theory and Applications. , 2011, , 35-83.		12
155	Conformational analysis of [C ¹ , Sar ⁷ , Arg ⁸] vasopressin by NMR spectroscopy and molecular mechanics calculations. <i>International Journal of Peptide and Protein Research</i> , 1991, 38, 528-538.	0.1	11
156	Proteinâ€”Ligand Interaction Energy-Based Entropy Calculations: Fundamental Challenges For Flexible Systems. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7821-7827.	2.6	11
157	Analysis of Procollagen C-Proteinase Enhancer-1/Glycosaminoglycan Binding Sites and of the Potential Role of Calcium Ions in the Interaction. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5021.	4.1	11
158	The molecular mechanism of structural changes in the antimicrobial peptide CM15 upon complex formation with drug molecule suramin: a computational analysis. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10644-10659.	2.8	11
159	Improved Consensus-Fragment Selection in Template-Assisted Prediction of Protein Structures with the UNRES Force Field in CASP13. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 1844-1864.	5.4	11
160	Origin of the ring-ring interaction in cyclic dipeptides incorporating an aromatic amino acid. <i>Tetrahedron Letters</i> , 1985, 26, 1873-1876.	1.4	10
161	Influence of solvents and leucine configuration at position 5 on tryptophan fluorescence in cyclic enkephalin analogues. <i>Biopolymers</i> , 2001, 58, 447-457.	2.4	10
162	Conformational studies of the 28â€”43 fragment of the B3 domain of the immunoglobulin binding protein G from <i>Streptococcus</i> . <i>Biopolymers</i> , 2008, 89, 1032-1044.	2.4	10

#	ARTICLE	IF	CITATIONS
163	Molecular dynamics of protein A and a WW domain with a united-residue model including hydrodynamic interaction. <i>Journal of Chemical Physics</i> , 2016, 144, 184110.	3.0	10
164	A general method for the derivation of the functional forms of the effective energy terms in coarse-grained energy functions of polymers. II. Backbone-local potentials of coarse-grained O1â€²4-bonded polyglucose chains. <i>Journal of Chemical Physics</i> , 2017, 147, 115101.	3.0	10
165	Introduction of Phosphorylated Residues into the UNRES Coarse-Grained Model: Toward Modeling of Signaling Processes. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5721-5729.	2.6	10
166	Fluorescence and Monte Carlo conformational studies of the (1â€²15) galanin amide fragment. <i>Biophysical Chemistry</i> , 1996, 58, 303-312.	2.8	9
167	The photophysics of Î²-homo-tyrosine and its simple derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1996, 101, 171-181.	3.9	9
168	Conformational studies of cyclic enkephalin analogues with L- or D-proline in position 3. <i>Biopolymers</i> , 2002, 63, 217-231.	2.4	9
169	Use of NMR and Fluorescence Spectroscopy as well as Theoretical Conformational Analysis in Conformation-activity Studies of Cyclic Enkephalin Analogues. <i>Current Topics in Medicinal Chemistry</i> , 2004, 4, 123-133.	2.1	9
170	Mechanism of formation of the C-terminal Î²-hairpin of the B3 domain of the immunoglobulin binding protein G from <i>Streptococcus</i> . III. Dynamics of long-range hydrophobic interactions. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 723-737.	2.6	9
171	Studies of conformational changes of an arginine-binding protein from <i>Thermotoga maritima</i> in the presence and absence of ligand via molecular dynamics simulations with the coarse-grained UNRES force field. <i>Journal of Molecular Modeling</i> , 2015, 21, 64.	1.8	9
172	Extension of the force-matching method to coarse-grained models with axially symmetric sites to produce transferable force fields: Application to the UNRES model of proteins. <i>Journal of Chemical Physics</i> , 2020, 152, 054902.	3.0	9
173	A molecular mechanics study of the effect of substitution in position 1 on the conformational space of the oxytocin/vasopressin ring. <i>Journal of Computer-Aided Molecular Design</i> , 1993, 7, 699-719.	2.9	8
174	The Photophysics of Î²-Tyrosine and Its Simple Derivatives. <i>Journal of Fluorescence</i> , 1997, 7, 257-266.	2.5	8
175	MCSCF study of singlet oxygen addition to ethenol? a model of photooxidation reactions of unsaturated and aromatic compounds bearing hydroxy groups. <i>Journal of Computational Chemistry</i> , 1997, 18, 1668-1681.	3.3	8
176	Theoretical calculations of homoconjugation equilibrium constants in systems modeling acid-base interactions in side chains of biomolecules using the potential of mean force. <i>Journal of Computational Chemistry</i> , 2005, 26, 235-242.	3.3	8
177	Interplay of charge distribution and conformation in peptides: Comparison of theory and experiment. <i>Biopolymers</i> , 2005, 80, 214-224.	2.4	8
178	Like-charged residues at the ends of oligoalanine sequences might induce a chain reversal. <i>Biopolymers</i> , 2012, 97, 240-249.	2.4	8
179	Ergodicity and model quality in template-restrained canonical and temperature/Hamiltonian replica exchange coarse-grained molecular dynamics simulations of proteins. <i>Journal of Computational Chemistry</i> , 2017, 38, 2730-2746.	3.3	8
180	Role of the sulfur to Î±-carbon thioether bridges in thurincin H. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 2868-2879.	3.5	8

#	ARTICLE	IF	CITATIONS
181	Prediction of DNA and RNA structure with the NARES-2P force field and conformational space annealing. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19656-19663.	2.8	8
182	Unfolding the prospects of computational (bio)materials modeling. <i>Journal of Chemical Physics</i> , 2020, 153, 100901.	3.0	8
183	Recent Developments in Data-Assisted Modeling of Flexible Proteins. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 765562.	3.5	8
184	Towards gelsolin amyloid formation. <i>Biopolymers</i> , 2004, 76, 543-548.	2.4	7
185	Separation of time scale and coupling in the motion governed by the coarse-grained and fine degrees of freedom in a polypeptide backbone. <i>Journal of Chemical Physics</i> , 2007, 127, 155103.	3.0	7
186	Implementation of a Serial Replica Exchange Method in a Physics-Based United-Residue (UNRES) Force Field. <i>Journal of Chemical Theory and Computation</i> , 2008, 4, 1386-1400.	5.3	7
187	Toward Temperature-Dependent Coarse-Grained Potentials of Side-Chain Interactions for Protein Folding Simulations. II. Molecular Dynamics Study of Pairs of Different Types of Interactions in Water at Various Temperatures. <i>Journal of Physical Chemistry B</i> , 2012, 116, 6844-6853.	2.6	7
188	Coarse graining: a tool for large-scale simulations or more?. <i>Physica Scripta</i> , 2013, 87, 058502.	2.5	7
189	Local and long range potentials for heparin-protein systems for coarse-grained simulations. <i>Biopolymers</i> , 2019, 110, e23269.	2.4	7
190	Extended disorder at the cell surface: The conformational landscape of the ectodomains of syndecans. <i>Matrix Biology Plus</i> , 2021, 12, 100081.	3.5	7
191	POTENTIOMETRIC STUDY OF COMPLEX FORMATION OF SOME DIVALENT METAL IONS WITH 2-AMINOXYACIDS1. <i>Journal of Coordination Chemistry</i> , 1985, 14, 31-38.	2.2	6
192	Theoretical studies of the mechanism of the action of the neurohypophyseal hormones. I. Molecular electrostatic potential (MEP) and molecular electrostatic field (MEF) maps of some vasopressin analogues. <i>Journal of Computer-Aided Molecular Design</i> , 1989, 3, 261-284.	2.9	6
193	MNDO study of the mechanism of the inhibition of cysteine proteinases by diazomethyl ketones. <i>European Biophysics Journal</i> , 1992, 21, 217-22.	2.2	6
194	Conformational Aspects of Differences in Requirements for Oxytocin and Vasopressin Receptors. <i>Journal of Receptor and Signal Transduction Research</i> , 1995, 15, 703-713.	2.5	6
195	A new approach to the resolution of the excitation-emission spectra of multicomponent systems. <i>Computers & Chemistry</i> , 1997, 21, 89-96.	1.2	6
196	Combination of SAXS and NMR Techniques as a Tool for the Determination of Peptide Structure in Solution. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 3128-3131.	4.6	6
197	Simple methods for the estimation of ionization constants of substituted pyridine N-oxides in polar aprotic solvents and water. <i>Journal of Solution Chemistry</i> , 1991, 20, 731-738.	1.2	5
198	Modified Free-Wilson method for the analysis of biological activity data. <i>Computers & Chemistry</i> , 1992, 16, 1-9.	1.2	5

#	ARTICLE	IF	CITATIONS
199	Spatial Structure of Dihydropyridines and Similarity of Dihydropyridines with some Amino Acids. <i>Molecular Engineering</i> , 1997, 7, 401-427.	0.2	5
200	A potentiometric study of the (OHO) ⁺ -type cationic heteroconjugation equilibria in propylene carbonate. <i>Journal of Molecular Structure</i> , 1998, 448, 185-189.	3.6	5
201	Molecular dynamics study of amyloid formation of two Abl-SH3 domain peptides. <i>Journal of Peptide Science</i> , 2006, 12, 780-789.	1.4	5
202	Influence of the Length of the Alanine Spacer on the Acidic/Basic Properties of the Ac-Lys ⁿ -Lys-NH ₂ Peptides (n = 1, 2, 5). <i>Journal of Solution Chemistry</i> , 2012, 41, 1738-1746.	1.2	5
203	Impact of selected amino acids of HP0377 (<i>Helicobacter pylori</i> thiol oxidoreductase) on its functioning as a CcmG (cytochrome c maturation) protein and Dsb (disulfide bond) isomerase. <i>PLoS ONE</i> , 2018, 13, e0195358.	2.5	5
204	Proton transfer and heteroconjugation of ammonium ions with N-bases in cyclohexanone, propanone, and butan-2-one. <i>Journal of Chemical Thermodynamics</i> , 1994, 26, 483-492.	2.0	4
205	Theoretical study of the role of hydrogen bonding and proton transfer in oxygen reduction by semiquinones. <i>Computational and Theoretical Chemistry</i> , 1997, 398-399, 445-449.	1.5	4
206	Title is missing!. <i>Journal of Solution Chemistry</i> , 1998, 27, 463-472.	1.2	4
207	Temperature dependence of the acid/base equilibrium constants of substituted pyridine N-oxides in acetonitrile. <i>Journal of Molecular Structure</i> , 1999, 477, 113-118.	3.6	4
208	Influence of solvent and configuration of residues at positions 2 and 3 on distance and mobility of pharmacophore groups at positions 1 and 4 in cyclic enkephalin analogues. <i>Biopolymers</i> , 2001, 59, 180-190.	2.4	4
209	Theoretical Studies of Interactions between O-Phosphorylated and Standard Amino-Acid Side-Chain Models in Water. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8526-8534.	2.6	4
210	Common functionally important motions of the nucleotide-binding domain of Hsp70. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 282-299.	2.6	4
211	Hydrophobic hydration and pairwise hydrophobic interaction of Lennard-Jones and Mie particles in different water models. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 4758-4771.	2.8	4
212	ESCASA: Analytical estimation of atomic coordinates from coarse-grained geometry for nuclear magnetic resonance-assisted protein structure modeling. I. Backbone and H ¹ protons. <i>Journal of Computational Chemistry</i> , 2021, 42, 1579-1589.	3.3	4
213	Pseudopotentials for coarse-grained cross-link-assisted modeling of protein structures. <i>Journal of Computational Chemistry</i> , 2021, 42, 2054-2067.	3.3	4
214	Simulation of Protein Structure and Dynamics with the Coarse-Grained UNRES Force Field. , 2008, , 107-122.		4
215	A comparative study on some methods for computing equilibrium concentrations. <i>Computers & Chemistry</i> , 1988, 12, 293-299.	1.2	3
216	Notizen: A CNDO/2 Study of the Homoconjugation Energies of 4-Substituted Pyridine N-Oxides. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1990, 45, 717-718.	0.7	3

#	ARTICLE	IF	CITATIONS
217	Reply to "Comment on "Molecular Origin of Anticooperativity in Hydrophobic Association" Journal of Physical Chemistry B, 2005, 109, 21222-21224.	2.6	3
218	Towards Temperature Dependent Coarse-grained Potential of Side-chain Interactions for Protein Folding Simulations. , 2010, , .		3
219	Multiple sheet molecular dynamics of amyloid formation from two Aβ1-42 domain peptides. Biopolymers, 2012, 98, 557-566.	2.4	3
220	Design of a knowledge-based force field for off-lattice simulations of protein structure. Acta Biochimica Polonica, 1997, 44, 527-47.	0.5	3
221	Ab initio study of the mechanism of singlet-dioxygen addition to hydroxyaromatic compounds: Negative evidence for the involvement of peroxa and endoperoxide intermediates. Journal of Computational Chemistry, 2002, 23, 1076-1089.	3.3	2
222	Reoptimized UNRES Potential for Protein Model Quality Assessment. Genes, 2018, 9, 601.	2.4	2
223	Conformation-activity study of the uterotonic antagonists of oxytocin. , 1993, , 535-536.		2
224	Influence of Temperature and Salt Concentration on the Hydrophobic Interactions of Adamantane and Hexane. Journal of Physical Chemistry B, 2022, 126, 634-642.	2.6	2
225	Theoretical Investigation of the Coronavirus SARS-CoV-2 (COVID-19) Infection Mechanism and Selectivity. Molecules, 2022, 27, 2080.	3.8	2
226	Notizen: CNDO/S-CI-nPDQ Studies of the Solvation Effect on the UV Spectra of Pyridine N-Oxide and its Complexes with Proton. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1990, 45, 719-720.	0.7	1
227	Influence of inorganic anions on the tautomeric equilibria of N-substituted aminoazobenzenes ? The evidence for ionic association. Journal of Solution Chemistry, 1991, 20, 431-443.	1.2	1
228	Computer modeling of the solution conformation of cyclic enkephalins. International Journal of Peptide Research and Therapeutics, 1998, 5, 445-447.	0.1	1
229	Molecular dynamics study of the influence of calcium ions on the conformation of gelsolin S2 domain. Computational and Theoretical Chemistry, 2003, 630, 309-313.	1.5	1
230	Hierarchical energy-based approach to protein-structure prediction: Blind-test evaluation with CASP3 targets. International Journal of Quantum Chemistry, 2000, 77, 90.	2.0	1
231	Microscopic Physics-Based Models of Proteins and Nucleic Acids. , 2017, , 67-120.		1
232	Physics-Based Coarse-Grained Modeling in Bio- and Nanochemistry. , 2022, , 31-69.		1
233	Probing Protein Aggregation Using the Coarse-Grained UNRES Force Field. Methods in Molecular Biology, 2022, 2340, 79-104.	0.9	1
234	Computer Modeling of the Solution Conformation of Cyclic Enkephalins. International Journal of Peptide Research and Therapeutics, 1998, 5, 445-447.	0.1	0

#	ARTICLE	IF	CITATIONS
235	Membrane Initiated Gelsolin Amyloid Formation. , 2006, , 698-699.		0
236	Theoretical conformational analysis of three vasopressin antagonists with a modified cyclohexyl ring in the first thioacid residue. International Journal of Peptide and Protein Research, 1995, 45, 451-458.	0.1	0
237	Chemoinformatics Methods for Studying Biomolecules. , 2017, , 2183-2199.		0
238	Dynamics study on single and multiple β^2 -sheets. Advances in Experimental Medicine and Biology, 2009, 611, 293-294.	1.6	0
239	1,4-DHP-lipid parameters and rod like micellae. Journal of Biophysical Chemistry, 2011, 02, 386-394.	0.5	0
240	Chemoinformatics Methods for Studying Biomolecules. , 2016, , 1-17.		0
241	Formation of Secondary and Supersecondary Structure of Proteins as a Result of Coupling Between Local and Backbone-Electrostatic Interactions: A View Through Cluster-Cumulant Scope. Methods in Molecular Biology, 2019, 1958, 133-146.	0.9	0
242	Global Optimization in Protein Folding. , 2008, , 1392-1411.		0