

Jie Liang

List of Publications by Year in descending order

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141
papers

9,273
citations

101543

36
h-index

45317

90
g-index

150
all docs

150
docs citations

150
times ranked

9786
citing authors

#	ARTICLE	IF	CITATIONS
1	CASTp: computed atlas of surface topography of proteins with structural and topographical mapping of functionally annotated residues. <i>Nucleic Acids Research</i> , 2006, 34, W116-W118.	14.5	1,541
2	CASTp 3.0: computed atlas of surface topography of proteins. <i>Nucleic Acids Research</i> , 2018, 46, W363-W367.	14.5	1,341
3	Anatomy of protein pockets and cavities: Measurement of binding site geometry and implications for ligand design. <i>Protein Science</i> , 1998, 7, 1884-1897.	7.6	949
4	CASTp: Computed Atlas of Surface Topography of proteins. <i>Nucleic Acids Research</i> , 2003, 31, 3352-3355.	14.5	936
5	Analytical shape computation of macromolecules: I. molecular area and volume through alpha shape. <i>Proteins: Structure, Function and Bioinformatics</i> , 1998, 33, 1-17.	2.6	258
6	Are Proteins Well-Packed?. <i>Biophysical Journal</i> , 2001, 81, 751-766.	0.5	248
7	On the definition and the construction of pockets in macromolecules. <i>Discrete Applied Mathematics</i> , 1998, 88, 83-102.	0.9	181
8	Helix-helix packing and interfacial pairwise interactions of residues in membrane proteins. <i>Journal of Molecular Biology</i> , 2001, 311, 891-907.	4.2	175
9	Analytical shape computation of macromolecules: II. Inaccessible cavities in proteins. , 1998, 33, 18-29.		157
10	Inferring Functional Relationships of Proteins from Local Sequence and Spatial Surface Patterns. <i>Journal of Molecular Biology</i> , 2003, 332, 505-526.	4.2	151
11	Interhelical hydrogen bonds and spatial motifs in membrane proteins: Polar clamps and serine zippers. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002, 47, 209-218.	2.6	149
12	Unique Toll-Like Receptor 4 Activation by NAMPT/PBEF Induces NF κ B Signaling and Inflammatory Lung Injury. <i>Scientific Reports</i> , 2015, 5, 13135.	3.3	126
13	Predicting protein folding rates from geometric contact and amino acid sequence. <i>Protein Science</i> , 2008, 17, 1256-1263.	7.6	98
14	Interstrand Pairing Patterns in $\hat{\beta}$ -Barrel Membrane Proteins: The Positive-outside Rule, Aromatic Rescue, and Strand Registration Prediction. <i>Journal of Molecular Biology</i> , 2005, 354, 979-993.	4.2	93
15	Empirical lipid propensities of amino acid residues in multispans alpha helical membrane proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 59, 496-509.	2.6	85
16	Prediction of transmembrane helix orientation in polytopic membrane proteins. , 2006, 6, 13.		77
17	Structural Location of Disease-associated Single-nucleotide Polymorphisms. <i>Journal of Molecular Biology</i> , 2003, 327, 1021-1030.	4.2	74
18	Probability landscape of heritable and robust epigenetic state of lysogeny in phage lambda. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18445-18450.	7.1	74

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19	Structure-based Analysis of VDAC1 Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 2179-2190.	3.4	73
20	Position-Dependence of Stabilizing Polar Interactions of Asparagine in Transmembrane Helical Bundles. <i>Biochemistry</i> , 2003, 42, 6400-6407.	2.5	70
21	Protein surface analysis for function annotation in high-throughput structural genomics pipeline. <i>Protein Science</i> , 2005, 14, 2972-2981.	7.6	70
22	Estimation of Amino Acid Residue Substitution Rates at Local Spatial Regions and Application in Protein Function Inference: A Bayesian Monte Carlo Approach. <i>Molecular Biology and Evolution</i> , 2006, 23, 421-436.	8.9	70
23	pvSOAR: detecting similar surface patterns of pocket and void surfaces of amino acid residues on proteins. <i>Nucleic Acids Research</i> , 2004, 32, W555-W558.	14.5	68
24	Lipid-binding surfaces of membrane proteins: Evidence from evolutionary and structural analysis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1092-1102.	2.6	68
25	Predicting Protein Function and Binding Profile via Matching of Local Evolutionary and Geometric Surface Patterns. <i>Journal of Molecular Biology</i> , 2009, 387, 451-464.	4.2	65
26	Predicting weakly stable regions, oligomerization state, and protein-protein interfaces in transmembrane domains of outer membrane proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12735-12740.	7.1	62
27	Optimal enumeration of state space of finitely buffered stochastic molecular networks and exact computation of steady state landscape probability. <i>BMC Systems Biology</i> , 2008, 2, 30.	3.0	60
28	Origin of scaling behavior of protein packing density: A sequential Monte Carlo study of compact long chain polymers. <i>Journal of Chemical Physics</i> , 2003, 118, 6102-6109.	3.0	56
29	Spatial confinement is a major determinant of the folding landscape of human chromosomes. <i>Nucleic Acids Research</i> , 2014, 42, 8223-8230.	14.5	55
30	Novel Approach to Structure-Based Pharmacophore Search Using Computational Geometry and Shape Matching Techniques. <i>Journal of Chemical Information and Modeling</i> , 2008, 48, 889-901.	5.4	54
31	Simplicial edge representation of protein structures and alpha contact potential with confidence measure. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 53, 792-805.	2.6	52
32	Higher-order Interhelical Spatial Interactions in Membrane Proteins. <i>Journal of Molecular Biology</i> , 2003, 327, 251-272.	4.2	51
33	Challenges in structural approaches to cell modeling. <i>Journal of Molecular Biology</i> , 2016, 428, 2943-2964.	4.2	51
34	Structural Signatures of Enzyme Binding Pockets from Order-Independent Surface Alignment: A Study of Metalloendopeptidase and NAD Binding Proteins. <i>Journal of Molecular Biology</i> , 2011, 406, 713-729.	4.2	49
35	Fast Protein Loop Sampling and Structure Prediction Using Distance-Guided Sequential Chain-Growth Monte Carlo Method. <i>PLoS Computational Biology</i> , 2014, 10, e1003539.	3.2	49
36	Discrete state model and accurate estimation of loop entropy of RNA secondary structures. <i>Journal of Chemical Physics</i> , 2008, 128, 125107.	3.0	46

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37	Prediction of geometrically feasible three-dimensional structures of pseudoknotted RNA through free energy estimation. <i>Rna</i> , 2009, 15, 2248-2263.	3.5	46
38	Measuring proteins and voids in proteins. , 0, , .		42
39	Geometric cooperativity and anticooperativity of three-body interactions in native proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 60, 46-65.	2.6	41
40	Predicting Three-Dimensional Structures of Transmembrane Domains of β^2 -Barrel Membrane Proteins. <i>Journal of the American Chemical Society</i> , 2012, 134, 1775-1781.	13.7	41
41	Mechanism of OmpG pH-Dependent Gating from Loop Ensemble and Single Channel Studies. <i>Journal of the American Chemical Society</i> , 2018, 140, 1105-1115.	13.7	37
42	Statistical geometry of packing defects of lattice chain polymer from enumeration and sequential Monte Carlo method. <i>Journal of Chemical Physics</i> , 2002, 117, 3511-3521.	3.0	36
43	Computational studies of membrane proteins: Models and predictions for biological understanding. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 927-941.	2.6	36
44	Computational Cellular Dynamics Based on the Chemical Master Equation: A Challenge for Understanding Complexity. <i>Journal of Computer Science and Technology</i> , 2010, 25, 154-168.	1.5	35
45	Accurate Chemical Master Equation Solution Using Multi-Finite Buffers. <i>Multiscale Modeling and Simulation</i> , 2016, 14, 923-963.	1.6	35
46	Developing optimal non-linear scoring function for protein design. <i>Bioinformatics</i> , 2004, 20, 3080-3098.	4.1	33
47	Are Residues in a Protein Folding Nucleus Evolutionarily Conserved?. <i>Journal of Molecular Biology</i> , 2004, 335, 869-880.	4.2	33
48	Empirical potential function for simplified protein models: Combining contact and local sequence-structure descriptors. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 63, 949-960.	2.6	33
49	High-resolution structure prediction of β -barrel membrane proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1511-1516.	7.1	32
50	Experimental and computational studies of determinants of membrane-protein folding. <i>Current Opinion in Chemical Biology</i> , 2002, 6, 878-884.	6.1	31
51	The membrane-water interface region of membrane proteins: structural bias and the anti-snorkeling effect. <i>Trends in Biochemical Sciences</i> , 2005, 30, 355-357.	7.5	31
52	State Space Truncation with Quantified Errors for Accurate Solutions to Discrete Chemical Master Equation. <i>Bulletin of Mathematical Biology</i> , 2016, 78, 617-661.	1.9	31
53	Engineered Oligomerization State of OmpF Protein through Computational Design Decouples Oligomer Dissociation from Unfolding. <i>Journal of Molecular Biology</i> , 2012, 419, 89-101.	4.2	28
54	Computational construction of 3D chromatin ensembles and prediction of functional interactions of alpha-globin locus from 5C data. <i>Nucleic Acids Research</i> , 2017, 45, 11547-11558.	14.5	28

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55	Mechanisms of Regulating Cell Topology in Proliferating Epithelia: Impact of Division Plane, Mechanical Forces, and Cell Memory. <i>PLoS ONE</i> , 2012, 7, e43108.	2.5	27
56	Sequence Motifs and Antimotifs in β -Barrel Membrane Proteins from a Genome-Wide Analysis: The Ala-Tyr Dichotomy and Chaperone Binding Motifs. <i>Journal of Molecular Biology</i> , 2006, 363, 611-623.	4.2	26
57	Topology independent protein structural alignment. <i>BMC Bioinformatics</i> , 2007, 8, 388.	2.6	25
58	Ionizable side chains at catalytic active sites of enzymes. <i>European Biophysics Journal</i> , 2012, 41, 449-460.	2.2	25
59	Folding-Degradation Relationship of a Membrane Protein Mediated by the Universally Conserved ATP-Dependent Protease FtsH. <i>Journal of the American Chemical Society</i> , 2018, 140, 4656-4665.	13.7	25
60	Lysine carboxylation: unveiling a spontaneous post-translational modification. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 48-57.	2.5	24
61	Mating yeast cells use an intrinsic polarity site to assemble a pheromone-gradient tracking machine. <i>Journal of Cell Biology</i> , 2019, 218, 3730-3752.	5.2	24
62	Outer Membrane Protein Folding and Topology from a Computational Transfer Free Energy Scale. <i>Journal of the American Chemical Society</i> , 2016, 138, 2592-2601.	13.7	23
63	Probabilistic control of HIV latency and transactivation by the Tat gene circuit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12453-12458.	7.1	23
64	G β 2 promotes pheromone receptor polarization and yeast chemotropism by inhibiting receptor phosphorylation. <i>Science Signaling</i> , 2016, 9, ra38.	3.6	22
65	CHROMATIX: computing the functional landscape of many-body chromatin interactions in transcriptionally active loci from deconvolved single cells. <i>Genome Biology</i> , 2020, 21, 13.	8.8	22
66	Spatial organization of the budding yeast genome in the cell nucleus and identification of specific chromatin interactions from multi-chromosome constrained chromatin model. <i>PLoS Computational Biology</i> , 2017, 13, e1005658.	3.2	22
67	Improving the Resistance of a Eukaryotic β -Barrel Protein to Thermal and Chemical Perturbations. <i>Journal of Molecular Biology</i> , 2011, 413, 150-161.	4.2	21
68	Adaptively biased sequential importance sampling for rare events in reaction networks with comparison to exact solutions from finite buffer dCME method. <i>Journal of Chemical Physics</i> , 2013, 139, 025101.	3.0	21
69	Monte Carlo sampling of near-native structures of proteins with applications. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 66, 61-68.	2.6	20
70	Protein Folding Dynamics via Quantification of Kinematic Energy Landscape. <i>Physical Review Letters</i> , 2006, 96, 058106.	7.8	20
71	Importance of chirality and reduced flexibility of protein side chains: A study with square and tetrahedral lattice models. <i>Journal of Chemical Physics</i> , 2004, 121, 592.	3.0	17
72	Structural model of β 1 GABA _C receptor based on evolutionary analysis: Testing of predicted protein-protein interactions involved in receptor assembly and function. <i>Protein Science</i> , 2009, 18, 2371-2383.	7.6	17

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73	Dynamic cellular finite-element method for modelling large-scale cell migration and proliferation under the control of mechanical and biochemical cues: a study of re-epithelialization. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20160959.	3.4	17
74	High-resolution single-cell 3D-models of chromatin ensembles during <i>Drosophila</i> embryogenesis. <i>Nature Communications</i> , 2021, 12, 205.	12.8	17
75	Mechanisms of Regulating Tissue Elongation in <i>Drosophila</i> Wing: Impact of Oriented Cell Divisions, Oriented Mechanical Forces, and Reduced Cell Size. <i>PLoS ONE</i> , 2014, 9, e86725.	2.5	16
76	Conformational sampling and structure prediction of multiple interacting loops in soluble and α -barrel membrane proteins using multi-loop distance-guided chain-growth Monte Carlo method. <i>Bioinformatics</i> , 2015, 31, 2646-2652.	4.1	16
77	Generating properly weighted ensemble of conformations of proteins from sparse or indirect distance constraints. <i>Journal of Chemical Physics</i> , 2008, 129, 094101.	3.0	15
78	Perturbation-based Markovian Transmission Model for Probing Allosteric Dynamics of Large Macromolecular Assembling: A Study of GroEL-GroES. <i>PLoS Computational Biology</i> , 2009, 5, e1000526.	3.2	15
79	Combinatorial Analysis for Sequence and Spatial Motif Discovery in Short Sequence Fragments. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2010, 7, 524-536.	3.0	15
80	The structure of the TOM core complex in the mitochondrial outer membrane. <i>Biological Chemistry</i> , 2020, 401, 687-697.	2.5	15
81	Analytical shape computation of macromolecules: II. Inaccessible cavities in proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 1998, 33, 18-29.	2.6	15
82	Prevalence of Malnutrition, Its Risk Factors, and the Use of Nutrition Support in Patients with Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2022, 28, S59-S66.	1.9	15
83	Prediction of buried helices in multispan alpha helical membrane proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 63, 1-5.	2.6	14
84	A model study of protein nascent chain and cotranslational folding using hydrophobic and polar residues. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 70, 442-449.	2.6	13
85	Predicting Enzyme Functional Surfaces and Locating Key Residues Automatically from Structures. <i>Annals of Biomedical Engineering</i> , 2007, 35, 1037-1042.	2.5	13
86	Constrained proper sampling of conformations of transition state ensemble of protein folding. <i>Journal of Chemical Physics</i> , 2011, 134, 075103.	3.0	13
87	Mechanical Model of Geometric Cell and Topological Algorithm for Cell Dynamics from Single-Cell to Formation of Monolayered Tissues with Pattern. <i>PLoS ONE</i> , 2015, 10, e0126484.	2.5	13
88	Weakly Stable Regions and Protein-Protein Interactions in Beta-Barrel Membrane Proteins. <i>Current Pharmaceutical Design</i> , 2014, 20, 1268-1273.	1.9	13
89	Evolutionary Patterns of Retinal-Binding Pockets of Type I Rhodopsins and Their Functions. <i>Photochemistry and Photobiology</i> , 2006, 82, 1426-1435.	2.5	12
90	Cell-substrate mechanics guide collective cell migration through intercellular adhesion: a dynamic finite element cellular model. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 1781-1796.	2.8	11

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91	Hydration Structure of Antithrombin Conformers and Water Transfer during Reactive Loop Insertion. <i>Biophysical Journal</i> , 1998, 75, 573-582.	0.5	10
92	Accuracy of functional surfaces on comparatively modeled protein structures. <i>Journal of Structural and Functional Genomics</i> , 2011, 12, 97-107.	1.2	10
93	Knowledge-Based Energy Functions for Computational Studies of Proteins. , 2007, , 71-123.		9
94	GPU-accelerated Chemical Similarity Assessment for Large Scale Databases. <i>Procedia Computer Science</i> , 2011, 4, 2007-2016.	2.0	9
95	Exact Topology of the Dynamic Probability Surface of an Activated Process by Persistent Homology. <i>Journal of Physical Chemistry B</i> , 2021, 125, 4667-4680.	2.6	9
96	GPU-Based Steady-State Solution of the Chemical Master Equation. , 2013, , .		7
97	Dynamic mechanical finite element model of biological cells for studying cellular pattern formation. , 2013, 2013, 4517-20.		7
98	Three-dimensional chromosome structures from energy landscape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11991-11993.	7.1	7
99	Engineering a Novel Porin OmpGF Via Strand Replacement from Computational Analysis of Sequence Motif. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1180-1189.	2.6	7
100	A Knot Polynomial Invariant for Analysis of Topology of RNA Stems and Protein Disulfide Bonds. <i>Computational and Mathematical Biophysics</i> , 2017, 5, 21-30.	1.1	7
101	Discrete flux and velocity fields of probability and their global maps in reaction systems. <i>Journal of Chemical Physics</i> , 2018, 149, 185101.	3.0	6
102	Guest Editorial on the Special Issue on Integrating Informatics and Technology for Precision Medicine. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 12-13.	6.3	6
103	Q-Nuc: a bioinformatics pipeline for the quantitative analysis of nucleosomal profiles. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2020, 12, 69-81.	3.6	6
104	Exact Probability Landscapes of Stochastic Phenotype Switching in Feed-Forward Loops: Phase Diagrams of Multimodality. <i>Frontiers in Genetics</i> , 2021, 12, 645640.	2.3	6
105	Interhelical Hydrogen Bonds in Transmembrane Region Are Important for Function and Stability of Ca ²⁺ -Transporting ATPase. <i>Cell Biochemistry and Biophysics</i> , 2003, 39, 1-12.	1.8	5
106	Stochastic probability landscape model for switching efficiency, robustness, and differential threshold for induction of genetic circuit in phage λ . , 2008, 2008, 611-4.		5
107	Alterations in Chromatin Folding Patterns in Cancer Variant-Enriched Loci. , 2019, 2019, .		5
108	Discrete and continuous models of probability flux of switching dynamics: Uncovering stochastic oscillations in a toggle-switch system. <i>Journal of Chemical Physics</i> , 2019, 151, 185104.	3.0	5

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109	GeTFEP: A general transfer free energy profile of transmembrane proteins. <i>Protein Science</i> , 2020, 29, 469-479.	7.6	5
110	Analytical shape computation of macromolecules: I. molecular area and volume through alpha shape. <i>Proteins: Structure, Function and Bioinformatics</i> , 1998, 33, 1-17.	2.6	5
111	Combinatorial model for sequence and spatial motif discovery in short sequence fragments: Examples from ÅY-barrel membrane proteins. , 2006, 2006, 3470-3.		4
112	Predicting and Characterizing Protein Functions Through Matching Geometric and Evolutionary Patterns of Binding Surfaces. <i>Advances in Protein Chemistry and Structural Biology</i> , 2008, 75, 107-141.	2.3	4
113	Computational predictions of structures of multichromosomes of budding yeast. , 2014, 2014, 3945-8.		4
114	Multiscale Modeling of Cellular Epigenetic States: Stochasticity in Molecular Networks, Chromatin Folding in Cell Nuclei, and Tissue Pattern Formation of Cells. <i>Critical Reviews in Biomedical Engineering</i> , 2015, 43, 323-346.	0.9	4
115	Distance-Guided Forward and Backward Chain-Growth Monte Carlo Method for Conformational Sampling and Structural Prediction of Antibody CDR-H3 Loops. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 380-388.	5.3	4
116	PRODIGEN: visualizing the probability landscape of stochastic gene regulatory networks in state and time space. <i>BMC Bioinformatics</i> , 2017, 18, 24.	2.6	4
117	Minimalistic 3D chromatin models: Sparse interactions in single cells drive the chromatin fold and form many-body units. <i>Current Opinion in Structural Biology</i> , 2021, 71, 200-214.	5.7	4
118	Potential function of simplified protein models for discriminating native proteins from decoys: combining contact interaction and local sequence-dependent geometry. , 2004, 2004, 2976-9.		3
119	Efficient computation of transfer free energies of amino acids in beta-barrel membrane proteins. <i>Bioinformatics</i> , 2017, 33, 1664-1671.	4.1	3
120	On quantification of geometry and topology of protein pockets and channels for assessing mutation effects. , 2018, 2018, 263-266.		3
121	Computation of Protein Geometry and Its Applications: Packing and Function Prediction. , 2007, , 181-206.		3
122	COMPUTATIONAL DESIGN OF COMBINATORIAL PEPTIDE LIBRARY FOR MODULATING PROTEIN-PROTEIN INTERACTIONS. , 2004, , .		3
123	Nonlinear Langevin model with product stochasticity for biological networks: The case of the Schnakenberg model. <i>Journal of Systems Science and Complexity</i> , 2010, 23, 896-905.	2.8	2
124	On Simplified Global Nonlinear Function for Fitness Landscape: A Case Study of Inverse Protein Folding. <i>PLoS ONE</i> , 2014, 9, e104403.	2.5	2
125	Roles of regulated internalization in the polarization of cell surface receptors. , 2014, 2014, 1166-9.		2
126	Mechanisms of stochastic focusing and defocusing in biological reaction networks: Insight from accurate Chemical Master Equation (ACME) solutions. , 2016, 2016, 1480-1483.		2

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127	Structure-based Method for Predicting Deleterious Missense SNPs. , 2019, 2019, .		2
128	Modeling and simulation of cell nuclear architecture reorganization process. Journal of Computational Physics, 2022, 449, 110808.	3.8	2
129	Geometry of protein shape and its evolutionary pattern for function prediction and characterization. , 2009, 2009, 2324-7.		1
130	A general method for predicting amino acid residues experiencing hydrogen exchange. , 2018, 2018, 341-344.		1
131	Sensitivities of Regulation Intensities in Feed-Forward Loops with Multistability. , 2019, 2019, 1969-1972.		1
132	Thermodynamics of unfolding mechanisms of mouse mammary tumor virus pseudoknot from a coarse-grained loop-entropy model. Journal of Biological Physics, 2022, 48, 129-150.	1.5	1
133	Optimal nonlinear scoring function for global fitness landscape of protein design. , 2004, 2004, 2828-31.		0
134	Guest Editorial EMBC 2014. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1291-1292.	6.3	0
135	Predicting Oncogenic Missense Mutations. , 2019, 2019, .		0
136	Global Nonlinear Fitness Function for Protein Structures. Health Information Science, 2017, , 1-35.	0.4	0
137	Evolution of coagulation-fragmentation stochastic processes using accurate chemical master equation approach. Communications in Information and Systems, 2019, 19, 37-55.	0.5	0
138	Simulation of pH-Dependent, Loop-Based Membrane Protein Gating Using Pretzel. Methods in Molecular Biology, 2021, 2186, 159-169.	0.9	0
139	Inferring initial state of the ancestral network of cellular fate decision: a case study of phage lambda. , 2021, 2021, 4436-4439.		0
140	Combinatorial model for sequence and spatial motif discovery in short sequence fragments: Examples from Å̃-barrel membrane proteins. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
141	Automated method for predicting enzyme functional surfaces and locating key residues with accuracy and specificity. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0