

Andrea Amadei

List of Publications by Year in descending order

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133
papers

6,121
citations

147566

31
h-index

76769

74
g-index

135
all docs

135
docs citations

135
times ranked

5499
citing authors

#	ARTICLE	IF	CITATIONS
1	A general statistical mechanical model for fluid system thermodynamics: Application to sub- and super-critical water. <i>Journal of Chemical Physics</i> , 2022, 156, 044506.	1.2	3
2	Theoretical-computational modelling of the L-alanine CD spectrum in water. <i>Computational and Theoretical Chemistry</i> , 2022, 1209, 113591.	1.1	3
3	Theoretical-computational modelling of the vibrational relaxation of small inorganic species in condensed phase. <i>Results in Chemistry</i> , 2022, 4, 100305.	0.9	2
4	Theoretical Modeling of Redox Potentials of Biomolecules. <i>Molecules</i> , 2022, 27, 1077.	1.7	9
5	Computational Modeling of the Thermodynamics of the Mesophilic and Thermophilic Mutants of Trp-Cage Mini-protein. <i>ACS Omega</i> , 2022, 7, 13448-13454.	1.6	3
6	IR spectroscopy of condensed phase systems: Can the environment induce vibrational mode coupling?. <i>Chemical Physics Letters</i> , 2021, 763, 138168.	1.2	6
7	Theoretical Characterization of the Reduction Potentials of Nucleic Acids in Solution. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 1301-1307.	2.3	13
8	Segregation on the nanoscale coupled to liquid water polymorphism in supercooled aqueous ionic-liquid solution. <i>Journal of Chemical Physics</i> , 2021, 155, 104502.	1.2	3
9	Stationary and Time-Dependent Carbon Monoxide Stretching Mode Features in Carboxy Myoglobin: A Theoretical-Computational Reappraisal. <i>Journal of Physical Chemistry B</i> , 2021, 125, 13624-13634.	1.2	6
10	Fully Atomistic Multiscale Approach for pK _a Prediction. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4712-4722.	1.2	10
11	Length-scale dependence of protein hydration-shell density. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7340-7347.	1.3	5
12	Modeling amino-acid side chain infrared spectra: the case of carboxylic residues. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3008-3016.	1.3	10
13	Evolutionary Modes in Protein Observable Space: The Case of Thioredoxins. <i>Journal of Molecular Evolution</i> , 2019, 87, 175-183.	0.8	1
14	Modelling vibrational relaxation in complex molecular systems. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 20003-20017.	1.3	6
15	The self-association equilibria of doxorubicin at high concentration and ionic strength characterized by fluorescence spectroscopy and molecular dynamics simulations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 577, 517-522.	2.3	16
16	Interpretation of Experimental Soret Bands of Porphyrins in Flexible Covalent Cages and in Their Related Ag(I) Fixed Complexes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13094-13103.	1.5	17
17	Theoretical-computational modelling of the temperature dependence of the folding-unfolding thermodynamics and kinetics: the case of a Trp-cage. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23162-23168.	1.3	4
18	Density discriminates between thermophilic and mesophilic proteins. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 3265-3273.	2.0	10

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19	On the nature of solvatochromic effect: The riboflavin absorption spectrum as a case study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 192, 451-457.	2.0	8
20	A quantitative connection of experimental and simulated folding landscapes by vibrational spectroscopy. <i>Chemical Science</i> , 2018, 9, 9002-9011.	3.7	20
21	Extending the perturbed matrix method beyond the dipolar approximation: comparison of different levels of theory. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24369-24378.	1.3	49
22	Tyrosine absorption spectroscopy: Backbone protonation effects on the side chain electronic properties. <i>Journal of Computational Chemistry</i> , 2018, 39, 1747-1756.	1.5	17
23	Theoretical-computational modeling of charge transfer and intersystem crossing reactions in complex chemical systems. <i>RSC Advances</i> , 2018, 8, 27900-27918.	1.7	9
24	Theoretical modeling of the absorption spectrum of aqueous riboflavin. <i>Chemical Physics Letters</i> , 2017, 669, 119-124.	1.2	37
25	Flexible and Comprehensive Implementation of MD-PMM Approach in a General and Robust Code. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 5506-5514.	2.3	15
26	Parallel folding pathways of Fip35 WW domain explained by infrared spectra and their computer simulation. <i>FEBS Letters</i> , 2017, 591, 3265-3275.	1.3	12
27	Alternative Electron-Transfer Channels Ensure Ultrafast Deactivation of Light-Induced Excited States in Riboflavin Binding Protein. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3321-3327.	2.1	21
28	Photoinduced electron transfer in a dichromophoric peptide: a numerical experiment. <i>Theoretical Chemistry Accounts</i> , 2016, 135, 1.	0.5	14
29	Photoexcitation and relaxation kinetics of molecular systems in solution: towards a complete in silico model. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28919-28931.	1.3	19
30	In silico characterization of bimolecular electron transfer reactions: The ferrocene-ferrocenium reaction as a test case. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 1723-1730.	1.0	9
31	The unfolding effects on the protein hydration shell and partial molar volume: a computational study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28175-28182.	1.3	15
32	Theoretical-computational characterization of the temperature-dependent folding thermodynamics of a ¹² -hairpin peptide. <i>Chemical Physics Letters</i> , 2016, 659, 247-251.	1.2	1
33	Extending the essential dynamics analysis to investigate molecular properties: application to the redox potential of proteins. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18450-18459.	1.3	18
34	The Perfect Enzyme : Revisiting the Modelling of Initial Proton Transfer in Triosephosphate Isomerase. <i>Theoretical Biology Forum</i> , 2016, 109, 13-36.	0.2	0
35	Essential dynamics for the study of microstructures in liquids. <i>Journal of Computational Chemistry</i> , 2015, 36, 399-407.	1.5	16
36	Monitoring the Folding Kinetics of a ¹² -Hairpin by Time-Resolved IR Spectroscopy in Silico. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4849-4856.	1.2	11

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37	Theoretical calculation of the pyrene emission properties in different solvents. <i>Chemical Physics Letters</i> , 2015, 639, 17-22.	1.2	12
38	A few key residues determine the high redox potential shift in azurin mutants. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 11003-11013.	1.5	35
39	In silico characterization of protein partial molecular volumes and hydration shells. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 31270-31277.	1.3	35
40	Molecular mechanisms of activation in CDK2. <i>Journal of Biomolecular Structure and Dynamics</i> , 2014, 32, 1929-1935.	2.0	13
41	Theoretical modeling of UV-Vis absorption and emission spectra in liquid state systems including vibrational and conformational effects: Explicit treatment of the vibronic transitions. <i>Journal of Chemical Physics</i> , 2014, 140, 164104.	1.2	42
42	Inclusion of cybotactic effect in the theoretical modeling of absorption spectra of liquid-state systems with perturbed matrix method and molecular dynamics simulations: the UV-Vis absorption spectrum of para-nitroaniline as a case study. <i>Theoretical Chemistry Accounts</i> , 2014, 133, 1.	0.5	5
43	How the Reorganization Free Energy Affects the Reduction Potential of Structurally Homologous Cytochromes. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1534-1540.	2.1	19
44	Theoretical-computational modeling of photo-induced charge separation spectra and charge recombination kinetics in solution. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 20624-20638.	1.3	15
45	Unambiguous Assignment of Reduction Potentials in Diheme Cytochromes. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7554-7560.	1.2	20
46	On the Nature of DNA Hyperchromic Effect. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8697-8704.	1.2	44
47	A theoretical study on the spectral and electrochemical properties of Ferrocene in different solvents. <i>Inorganica Chimica Acta</i> , 2013, 407, 82-90.	1.2	4
48	Simulation of the Amide I Infrared Spectrum in Photoinduced Peptide Folding/Unfolding Transitions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12383-12390.	1.2	17
49	Toward a Realistic Modeling of the Photophysics of Molecular Building Blocks for Energy Harvesting: The Charge-Transfer State in 4,7-Dithien-2-yl-2,1,3-benzothiadiazole As a Case Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13785-13797.	1.5	13
50	Modeling triplet flavin-indole electron transfer and interradical dipolar interaction: a perturbative approach. <i>Theoretical Chemistry Accounts</i> , 2013, 132, 1.	0.5	14
51	Theoretical modeling of UV-Vis absorption and emission spectra in liquid state systems including vibrational and conformational effects: The vertical transition approximation. <i>Journal of Chemical Physics</i> , 2013, 139, 114102.	1.2	36
52	A general statistical mechanical approach for modeling redox thermodynamics: the reaction and reorganization free energies. <i>RSC Advances</i> , 2013, 3, 19657.	1.7	16
53	Effect of High Exogenous Electric Pulses on Protein Conformation: Myoglobin as a Case Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2273-2279.	1.2	85
54	Thermal and environmental effects on Oligothiophene low-energy singlet electronic excitations in dilute solution: a theoretical and experimental study. <i>Highlights in Theoretical Chemistry</i> , 2013, , 185-198.	0.0	0

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55	A Theoretical Reappraisal of Polylysine in the Investigation of Secondary Structure Sensitivity of Infrared Spectra. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3353-3360.	1.2	19
56	A general theoretical model for electron transfer reactions in complex systems. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 1360-1370.	1.3	35
57	Essential dynamics: foundation and applications. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2012, 2, 762-770.	6.2	99
58	The Reversible Opening of Water Channels in Cytochrome <i>c</i> Modulates the Heme Iron Reduction Potential. <i>Journal of the American Chemical Society</i> , 2012, 134, 13670-13678.	6.6	71
59	Thermal and environmental effects on Oligothiophene low-energy singlet electronic excitations in dilute solution: a theoretical and experimental study. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	0.5	7
60	Theoretical modeling of the spectroscopic absorption properties of luciferin and oxyluciferin: A critical comparison with recent experimental studies. <i>Chemical Physics</i> , 2012, 392, 205-214.	0.9	18
61	Effects of local electric fields on the redox free energy of single stranded DNA. <i>Chemical Communications</i> , 2011, 47, 2646-2648.	2.2	8
62	The role of water near charged interfaces: Molecular dynamics simulations of biological macromolecules in presence of high intense electric fields. , 2011, , .		0
63	Kinetics of Carbon Monoxide Migration and Binding in Solvated Neuroglobin As Revealed by Molecular Dynamics Simulations and Quantum Mechanical Calculations. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2436-2446.	1.2	17
64	New Insight into the IR-Spectra/Structure Relationship in Amyloid Fibrils: A Theoretical Study on a Prion Peptide. <i>Journal of the American Chemical Society</i> , 2011, 133, 11414-11417.	6.6	28
65	Analysis of Infrared Spectra of β^2 -Hairpin Peptides As Derived from Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11872-11878.	1.2	11
66	Modeling of Chemical Reactions in Micelle: Water-Mediated Keto \rightleftharpoons Enol Interconversion As a Case Study. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8102-8111.	1.2	23
67	Modeling quantum vibrational excitations in condensed-phase molecular systems. <i>Theoretical Chemistry Accounts</i> , 2011, 129, 31-43.	0.5	26
68	The effects of the L29F mutation on the ligand migration kinetics in crystallized myoglobin as revealed by molecular dynamics simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 867-879.	1.5	4
69	Entropy \rightleftharpoons energy balance in base catalyzed keto \rightleftharpoons enol interconversion: A joint theoretical and experimental investigation. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 1293-1305.	1.0	7
70	Modeling electromagnetic field effects in a biochemical reaction: Understanding reactivity inhibition due to the magnetic field. , 2011, , .		0
71	Characterization of Electronic Properties in Complex Molecular Systems: Modeling of a Micropolarity Probe. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1915-1924.	1.2	17
72	Theoretical-computational modelling of infrared spectra in peptides and proteins: a new frontier for combined theoretical-experimental investigations. <i>Current Opinion in Structural Biology</i> , 2010, 20, 155-161.	2.6	35

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73	On the origin of IR spectral changes upon protein folding. <i>Chemical Physics Letters</i> , 2010, 488, 213-218.	1.2	30
74	Free-Energy Profile for CO Binding to Separated Chains of Human and <i>Trematomus newnesi</i> Hemoglobin: Insights from Molecular Dynamics Simulations and Perturbed Matrix Method. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7002-7008.	1.2	7
75	A fast redox-induced switching mechanism in a conformationally controllable molecular thread in solution. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4552.	1.3	8
76	Theoretical characterization of electronic states in interacting chemical systems. <i>Journal of Chemical Physics</i> , 2009, 130, 084109.	1.2	66
77	Structural, thermodynamic, and kinetic properties of Gramicidin analogue GS6 studied by molecular dynamics simulations and statistical mechanics. <i>Biopolymers</i> , 2009, 91, 1154-1160.	1.2	1
78	What can we learn by comparing experimental and theoretical-computational X-ray scattering data?. <i>Journal of Molecular Liquids</i> , 2009, 144, 9-12.	2.3	3
79	Kinetics of Carbon Monoxide Migration and Binding in Solvated Myoglobin as Revealed by Molecular Dynamics Simulations and Quantum Mechanical Calculations. <i>Journal of Physical Chemistry B</i> , 2009, 113, 16346-16353.	1.2	17
80	Charge transfer equilibria of aqueous single stranded DNA. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 10614.	1.3	7
81	Intramolecular charge transfer in π -conjugated oligomers: a theoretical study on the effect of temperature and oxidation state. <i>Theoretical Chemistry Accounts</i> , 2008, 119, 469-476.	0.5	7
82	The Kinetics of Ligand Migration in Crystallized Myoglobin as Revealed by Molecular Dynamics Simulations. <i>Biophysical Journal</i> , 2008, 94, 4277-4281.	0.2	31
83	Solvent Electrostriction-Driven Peptide Folding Revealed by Quasi-Gaussian Entropy Theory and Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11155-11163.	1.2	9
84	Can a synthetic thread act as an electrochemically switchable molecular device?. <i>Chemical Communications</i> , 2008, , 3399.	2.2	14
85	Protein Folding Pathways Revealed by Essential Dynamics Sampling. <i>Journal of Chemical Theory and Computation</i> , 2008, 4, 1940-1948.	2.3	13
86	Theoretical Modeling of Enzyme Reactions: The Thermodynamics of Formation of Compound O in Horseradish Peroxidase. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3184-3192.	1.2	24
87	Theoretical characterization of temperature and density dependence of liquid water electronic excitation energy: Comparison with recent experimental data. <i>Journal of Chemical Physics</i> , 2008, 128, 021103.	1.2	22
88	Mixed Quantum-Classical Methods for Molecular Simulations of Biochemical Reactions With Microwave Fields: The Case Study of Myoglobin. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008, 56, 2511-2519.	2.9	36
89	Statistical Mechanical Modeling of Chemical Reactions in Condensed Phase Systems. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2008, , 191-213.	0.6	9
90	Dehydration-driven solvent exposure of hydrophobic surfaces as a driving force in peptide folding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15230-15235.	3.3	72

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91	Theoretical Characterization of Carbon Monoxide Vibrational Spectrum in Sperm Whale Myoglobin Distal Pocket. <i>Biophysical Journal</i> , 2007, 92, 3442-3447.	0.2	23
92	Theoretical study of intramolecular charge transfer in π -conjugated oligomers. <i>Chemical Physics Letters</i> , 2007, 434, 194-199.	1.2	12
93	Statistical mechanical modelling of chemical reactions in complex systems: the kinetics of the Haem carbon monoxide binding/unbinding reaction in Myoglobin. <i>Theoretical Chemistry Accounts</i> , 2007, 117, 637-647.	0.5	28
94	Myoglobin as a Case Study for Molecular Simulations in the Presence of a Microwave Electromagnetic Field. , 2006, , .		7
95	Theoretical modeling of the valence UV spectra of 1,2,3-triazine and uracil in solution. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 1385.	1.3	39
96	On the Effect of a Point Mutation on the Reactivity of CuZn Superoxide Dismutase: A Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7538-7544.	1.2	16
97	Theoretical modeling of chemical reactions in complex environments: the intramolecular proton transfer in aqueous malonaldehyde. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 518-530.	0.9	28
98	Aggregation of small peptides studied by molecular dynamics simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 65, 914-921.	1.5	19
99	On the importance of configurational sampling in theoretical calculation of electronic properties of complex molecular systems: Acetone in water. <i>Chemical Physics Letters</i> , 2006, 424, 289-294.	1.2	5
100	Theoretical Characterisation of the Electronic Excitation in Liquid Water. <i>ChemPhysChem</i> , 2005, 6, 53-58.	1.0	31
101	Conformational and Electronic Properties of a Microperoxidase in Aqueous Solution: A Computational Study. <i>ChemPhysChem</i> , 2005, 6, 681-689.	1.0	6
102	Molecular dynamics simulation of the aggregation of the core-recognition motif of the islet amyloid polypeptide in explicit water. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 59, 519-527.	1.5	49
103	Thermodynamic and kinetic characterization of a β^2 -hairpin peptide in solution: An extended phase space sampling by molecular dynamics simulations in explicit water. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 59, 510-518.	1.5	49
104	Ground and excited electronic state thermodynamics of aqueous carbon monoxide: A theoretical study. <i>Journal of Chemical Physics</i> , 2005, 122, 124507.	1.2	6
105	A mean field approach for molecular simulations of fluid systems. <i>Journal of Chemical Physics</i> , 2005, 122, 154109.	1.2	46
106	Characterization of liquid behaviour by means of local density fluctuations. <i>Journal of Molecular Liquids</i> , 2005, 117, 17-21.	2.3	2
107	Theoretical Characterization of β^1 -Helix and β^2 -Hairpin Folding Kinetics. <i>Journal of the American Chemical Society</i> , 2005, 127, 14825-14832.	6.6	43
108	Molecular Dynamics Simulation of Sperm Whale Myoglobin: Effects of Mutations and Trapped CO on the Structure and Dynamics of Cavities. <i>Biophysical Journal</i> , 2005, 89, 465-474.	0.2	93

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109	Theoretical modeling of vibroelectronic quantum states in complex molecular systems: Solvated carbon monoxide, a test case. <i>Journal of Chemical Physics</i> , 2005, 122, 124506.	1.2	34
110	On the use of the quasi-Gaussian entropy theory in the study of simulated dilute solutions. <i>Journal of Chemical Physics</i> , 2004, 120, 5226-5234.	1.2	9
111	Conformational fluctuations and electronic properties in myoglobin. <i>Journal of Computational Chemistry</i> , 2004, 25, 974-984.	1.5	35
112	Theoretical Modeling of Enzyme Reaction Chemistry: The Electron Transfer of the Reduction Mechanism in CuZn Superoxide Dismutase. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16255-16260.	1.2	31
113	A Theoretical Model for the Folding/Unfolding Thermodynamics of Single-Domain Proteins, Based on the Quasi-Gaussian Entropy Theory. <i>Journal of Physical Chemistry B</i> , 2004, 108, 5756-5762.	1.2	9
114	A DFT Study of the Low-Lying Singlet Excited States of the All-Trans Peridinin in vacuo. <i>Journal of Physical Chemistry A</i> , 2004, 108, 6763-6770.	1.1	21
115	Extended Molecular Dynamics Simulation of the Carbon Monoxide Migration in Sperm Whale Myoglobin. <i>Biophysical Journal</i> , 2004, 86, 3855-3862.	0.2	129
116	Structural rearrangements of the two domains of <i>Azotobacter vinelandii</i> rhodanese upon sulfane sulfur release: essential molecular dynamics, NMR relaxation and deuterium exchange on the uniformly labeled protein. <i>International Journal of Biological Macromolecules</i> , 2003, 33, 193-201.	3.6	7
117	The Effect of Protein Conformational Flexibility on the Electronic Properties of a Chromophore. <i>Biophysical Journal</i> , 2003, 84, 2805-2813.	0.2	36
118	Molecular Dynamics Simulation of Protein Folding by Essential Dynamics Sampling: Folding Landscape of Horse Heart Cytochrome c. <i>Biophysical Journal</i> , 2003, 85, 2865-2871.	0.2	67
119	Coherent dynamics in a butane molecule. <i>Physical Review E</i> , 2002, 66, 020901.	0.8	2
120	Statistical Mechanics and Thermodynamics of Simulated Ionic Solutions. <i>Journal of Physical Chemistry B</i> , 2002, 106, 11843-11848.	1.2	18
121	Extension of the perturbed matrix method: application to a water molecule. <i>Chemical Physics Letters</i> , 2002, 365, 450-456.	1.2	51
122	On the Use of the Quasi-Gaussian Entropy Theory in Systems of Polyatomic Flexible Molecules. <i>Journal of Physical Chemistry B</i> , 2001, 105, 1834-1844.	1.2	8
123	A molecular dynamics study of the 41â€56 Î²â€hairpin from B1 domain of protein G. <i>Protein Science</i> , 1999, 8, 2130-2143.	3.1	109
124	On the convergence of the conformational coordinates basis set obtained by the essential dynamics analysis of proteins' molecular dynamics simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 1999, 36, 419-424.	1.5	277
125	Mechanics and dynamics of B1 domain of protein G: Role of packing and surface hydrophobic residues. <i>Protein Science</i> , 1999, 8, 147-160.	3.1	46
126	On the convergence of the conformational coordinates basis set obtained by the essential dynamics analysis of proteins' molecular dynamics simulations. , 1999, 36, 419.		1

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127	On the convergence of the conformational coordinates basis set obtained by the essential dynamics analysis of proteins' molecular dynamics simulations. , 1999, 36, 419.		8
128	Identification of functional and unfolding motions of cutinase as obtained from molecular dynamics computer simulations. , 1998, 33, 253-264.		40
129	Essential degrees of freedom of proteins. Molecular Engineering, 1995, 5, 71-79.	0.2	5
130	Essential dynamics of proteins. Proteins: Structure, Function and Bioinformatics, 1993, 17, 412-425.	1.5	2,927
131	The conformation of constitutive DNA interaction sites for eukaryotic DNA topoisomerase I on intrinsically curved DNAs. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1991, 1129, 73-82.	2.4	28
132	In vitropreferential topoisomerization of bent DNA. Nucleic Acids Research, 1989, 17, 8463-8474.	6.5	63
133	On the catalytic role of structural fluctuations in enzyme reactions: computational evidence on the formation of compound O in horseradish peroxidase. Faraday Discussions, 0, 145, 107-119.	1.6	5