

Ulf Ryde

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1270556/publications.pdf>

Version: 2024-02-01

270
papers

18,359
citations

13099

68
h-index

17105

122
g-index

282
all docs

282
docs citations

282
times ranked

15047
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining crystallography with quantum mechanics. <i>Current Opinion in Structural Biology</i> , 2022, 72, 18-26.	5.7	8
2	Thermodynamically Favourable States in the Reaction of Nitrogenase without Dissociation of any Sulfide Ligand. <i>Chemistry - A European Journal</i> , 2022, , .	3.3	12
3	Comparison of Grand Canonical and Conventional Molecular Dynamics Simulation Methods for Protein-Bound Water Networks. <i>ACS Physical Chemistry Au</i> , 2022, 2, 247-259.	4.0	4
4	Can Water Act as a Nucleophile in CO Oxidation Catalysed by Mo/Cu COâ€Dehydrogenase? Answers from Theory. <i>ChemPhysChem</i> , 2022, 23, .	2.1	5
5	Benchmark Study of Redox Potential Calculations for Ironâ€Sulfur Clusters in Proteins. <i>Inorganic Chemistry</i> , 2022, 61, 5991-6007.	4.0	8
6	Computationally enhanced X-ray diffraction analysis of a gold(III) complex interacting with the human telomeric DNA G-quadruplex. Unravelling non-unique ligand positioning. <i>International Journal of Biological Macromolecules</i> , 2022, 211, 506-513.	7.5	1
7	Unraveling the Reaction Mechanism of Mo/Cu CO Dehydrogenase Using QM/MM Calculations. <i>ACS Catalysis</i> , 2022, 12, 7336-7343.	11.2	9
8	Two-Substrate Glyoxalase I Mechanism: A Quantum Mechanics/Molecular Mechanics Study. <i>Inorganic Chemistry</i> , 2021, 60, 303-314.	4.0	3
9	QM/MM study of the binding of H ₂ to MoCu CO dehydrogenase: development and applications of improved H ₂ van der Waals parameters. <i>Journal of Molecular Modeling</i> , 2021, 27, 68.	1.8	4
10	QM/MM Study of the Catalytic Reaction of Myrosinase; Importance of Assigning Proper Protonation States of Active-Site Residues. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 1822-1841.	5.3	11
11	Critical evaluation of a crystal structure of nitrogenase with bound N ₂ ligands. <i>Journal of Biological Inorganic Chemistry</i> , 2021, 26, 341-353.	2.6	24
12	Entropyâ€Entropy Compensation between the Protein, Ligand, and Solvent Degrees of Freedom Fine-Tunes Affinity in Ligand Binding to Galectin-3C. <i>Jacs Au</i> , 2021, 1, 484-500.	7.9	17
13	Neutron structures of <i>Leishmania mexicana</i> triosephosphate isomerase in complex with reaction-intermediate mimics shed light on the proton-shuttling steps. <i>IUCrJ</i> , 2021, 8, 633-643.	2.2	6
14	Quantum-refinement studies of the bidentate ligand of Vâ€nitrogenase and the protonation state of CO-inhibited Moâ€nitrogenase. <i>Journal of Inorganic Biochemistry</i> , 2021, 219, 111426.	3.5	7
15	On the Use of Interaction Entropy and Related Methods to Estimate Binding Entropies. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 5379-5391.	5.3	24
16	Exploring ligand dynamics in protein crystal structures with ensemble refinement. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 1099-1115.	2.3	3
17	Hybrids between <i>Rubus idaeus</i> and <i>Rubus sect. Corylifolii</i> and their relation to <i>R. pruinosus</i> and <i>R. rosanthus</i> . <i>Nordic Journal of Botany</i> , 2021, 39, .	0.5	3
18	Comparison of the accuracy of DFT methods for reactions with relevance to nitrogenase. <i>Electronic Structure</i> , 2021, 3, 034005.	2.8	9

#	ARTICLE	IF	CITATIONS
19	Can the results of quantum refinement be improved with a continuum-solvation model?. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 906-918.	1.1	0
20	Is density functional theory accurate for lytic polysaccharide monooxygenase enzymes?. Dalton Transactions, 2020, 49, 1501-1512.	3.3	18
21	Importance of the iron-sulfur component and of the siroheme modification in the resting state of sulfite reductase. Journal of Inorganic Biochemistry, 2020, 203, 110928.	3.5	4
22	Putative reaction mechanism of nitrogenase after dissociation of a sulfide ligand. Journal of Catalysis, 2020, 391, 247-259.	6.2	19
23	Does the crystal structure of vanadium nitrogenase contain a reaction intermediate? Evidence from quantum refinement. Journal of Biological Inorganic Chemistry, 2020, 25, 847-861.	2.6	18
24	What Is the Structure of the E ₄ Intermediate in Nitrogenase?. Journal of Chemical Theory and Computation, 2020, 16, 1936-1952.	5.3	37
25	Quantum Mechanics/Molecular Mechanics Study of the Reaction Mechanism of Glyoxalase I. Inorganic Chemistry, 2020, 59, 2594-2603.	4.0	6
26	Water structure in solution and crystal molecular dynamics simulations compared to protein crystal structures. RSC Advances, 2020, 10, 8435-8443.	3.6	11
27	N ₂ H ₂ binding to the nitrogenase FeMo cluster studied by QM/MM methods. Journal of Biological Inorganic Chemistry, 2020, 25, 521-540.	2.6	16
28	fragHAR: towards ab initio quantum-crystallographic X-ray structure refinement for polypeptides and proteins. IUCr, 2020, 7, 158-165.	2.2	10
29	Quantum refinement with multiple conformations: application to the P-cluster in nitrogenase. Acta Crystallographica Section D: Structural Biology, 2020, 76, 1145-1156.	2.3	6
30	Automated orientation of water molecules in neutron crystallographic structures of proteins. Acta Crystallographica Section D: Structural Biology, 2020, 76, 1025-1032.	2.3	3
31	Are crystallographic B-factors suitable for calculating protein conformational entropy?. Physical Chemistry Chemical Physics, 2019, 21, 18149-18160.	2.8	16
32	Geometry and Electronic Structure of the P-Cluster in Nitrogenase Studied by Combined Quantum Mechanical and Molecular Mechanical Calculations and Quantum Refinement. Inorganic Chemistry, 2019, 58, 9672-9690.	4.0	20
33	Structure and Energetics of Ligand-Fluorine Interactions with Galectin-3 Backbone and Side-Chain Amides: Insight into Solvation Effects and Multipolar Interactions. ChemMedChem, 2019, 14, 1528-1536.	3.2	24
34	Substituted polyfluoroaryl interactions with an arginine side chain in galectin-3 are governed by steric-, desolvation and electronic conjugation effects. Organic and Biomolecular Chemistry, 2019, 17, 1081-1089.	2.8	14
35	Mechanism of hydrogen peroxide formation by lytic polysaccharide monooxygenase. Chemical Science, 2019, 10, 576-586.	7.4	45
36	Extremely large differences in DFT energies for nitrogenase models. Physical Chemistry Chemical Physics, 2019, 21, 2480-2488.	2.8	56

#	ARTICLE	IF	CITATIONS
37	QM/MM study of the conversion of biliverdin into verdoheme by heme oxygenase. Theoretical Chemistry Accounts, 2019, 138, 1.	1.4	2
38	A thiocarbonate sink on the enzymatic energy landscape of aerobic CO oxidation? Answers from DFT and QM/MM models of Mo Cu CO-dehydrogenases. Journal of Catalysis, 2019, 372, 201-205.	6.2	11
39	Host-Guest Relative Binding Affinities at Density-Functional Theory Level from Semiempirical Molecular Dynamics Simulations. Journal of Chemical Theory and Computation, 2019, 15, 2659-2671.	5.3	19
40	Why does sulfite reductase employ siroheme?. Chemical Communications, 2019, 55, 14047-14049.	4.1	14
41	QM/MM study of the stereospecific proton exchange of glutathiohydroxyacetone by glyoxalase I. Results in Chemistry, 2019, 1, 100011.	2.0	6
42	Theoretical Insights into the Aerobic Hydrogenase Activity of Molybdenum-Copper CO Dehydrogenase. Inorganics, 2019, 7, 135.	2.7	5
43	Interplay between Conformational Entropy and Solvation Entropy in Protein-Ligand Binding. Journal of the American Chemical Society, 2019, 141, 2012-2026.	13.7	89
44	Refinement of protein structures using a combination of quantum-mechanical calculations with neutron and X-ray crystallographic data. Acta Crystallographica Section D: Structural Biology, 2019, 75, 368-380.	2.3	13
45	Quantum Crystallography: Current Developments and Future Perspectives. Chemistry - A European Journal, 2018, 24, 10881-10905.	3.3	108
46	Can MM/GBSA calculations be sped up by system truncation?. Journal of Computational Chemistry, 2018, 39, 361-372.	3.3	6
47	Molecular mechanism of lytic polysaccharide monooxygenases. Chemical Science, 2018, 9, 3866-3880.	7.4	77
48	Assessing the stability of free-energy perturbation calculations by performing variations in the method. Journal of Computer-Aided Molecular Design, 2018, 32, 529-536.	2.9	15
49	Higher Flexibility of Glu-172 Explains the Unusual Stereospecificity of Glyoxalase I. Inorganic Chemistry, 2018, 57, 4944-4958.	4.0	10
50	Quantum Refinement Does Not Support Dinuclear Copper Sites in Crystal Structures of Particulate Methane Monooxygenase. Angewandte Chemie, 2018, 130, 168-172.	2.0	18
51	Influence of the protein and DFT method on the broken-symmetry and spin states in nitrogenase. International Journal of Quantum Chemistry, 2018, 118, e25627.	2.0	42
52	QM/MM study of the reaction mechanism of sulfite oxidase. Scientific Reports, 2018, 8, 4684.	3.3	22
53	Binding affinities of the farnesoid X receptor in the D3R Grand Challenge 2 estimated by free-energy perturbation and docking. Journal of Computer-Aided Molecular Design, 2018, 32, 211-224.	2.9	10
54	Exploration of H ₂ binding to the [NiFe]-hydrogenase active site with multiconfigurational density functional theory. Physical Chemistry Chemical Physics, 2018, 20, 794-801.	2.8	17

#	ARTICLE	IF	CITATIONS
55	Quantum Refinement Does Not Support Dinuclear Copper Sites in Crystal Structures of Particulate Methane Monooxygenase. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 162-166.	13.8	122
56	Reaction Mechanism of [NiFe] Hydrogenase Studied by Computational Methods. <i>Inorganic Chemistry</i> , 2018, 57, 15289-15298.	4.0	19
57	Predicting Relative Binding Affinity Using Nonequilibrium QM/MM Simulations. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 6613-6622.	5.3	13
58	Protonation and Reduction of the FeMo Cluster in Nitrogenase Studied by Quantum Mechanics/Molecular Mechanics (QM/MM) Calculations. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 6653-6678.	5.3	52
59	Binding free energies in the SAMPL6 octa-acid host-guest challenge calculated with MM and QM methods. <i>Journal of Computer-Aided Molecular Design</i> , 2018, 32, 1027-1046.	2.9	15
60	Reaction mechanism of formate dehydrogenase studied by computational methods. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 1243-1254.	2.6	34
61	Relative Ligand-Binding Free Energies Calculated from Multiple Short QM/MM MD Simulations. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 3228-3237.	5.3	23
62	On the Difference Between Additive and Subtractive QM/MM Calculations. <i>Frontiers in Chemistry</i> , 2018, 6, 89.	3.6	71
63	Insight into the reaction mechanism of lipoyl synthase: a QM/MM study. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 221-229.	2.6	12
64	Frontispiece: Quantum Crystallography: Current Developments and Future Perspectives. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	1
65	A novel mechanism of heme degradation to biliverdin studied by QM/MM and QM calculations. <i>Dalton Transactions</i> , 2018, 47, 8283-8291.	3.3	9
66	Effect of the protein ligand in DMSO reductase studied by computational methods. <i>Journal of Inorganic Biochemistry</i> , 2017, 171, 45-51.	3.5	7
67	H ₂ binding to the active site of [NiFe] hydrogenase studied by multiconfigurational and coupled-cluster methods. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10590-10601.	2.8	38
68	Multiscale Modelling of Lytic Polysaccharide Monooxygenases. <i>ACS Omega</i> , 2017, 2, 536-545.	3.5	29
69	Comparison of QM/MM Methods To Obtain Ligand-Binding Free Energies. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 2245-2253.	5.3	45
70	Can System Truncation Speed up Ligand-Binding Calculations with Periodic Free-Energy Simulations?. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 2865-2873.	5.4	0
71	How Many Conformations Need To Be Sampled To Obtain Converged QM/MM Energies? The Curse of Exponential Averaging. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 5745-5752.	5.3	70
72	Targeting the reactive intermediate in polysaccharide monooxygenases. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 1029-1037.	2.6	52

#	ARTICLE	IF	CITATIONS
73	Protonation States of Homocitrate and Nearby Residues in Nitrogenase Studied by Computational Methods and Quantum Refinement. <i>Journal of Physical Chemistry B</i> , 2017, 121, 8242-8262.	2.6	62
74	QM/MM Study of the Conversion of Oxophlorin into Verdoheme by Heme Oxygenase. <i>Journal of Physical Chemistry B</i> , 2017, 121, 11427-11436.	2.6	9
75	Binding free energies in the SAMPL5 octa-acid host-guest challenge calculated with DFT-D3 and CCSD(T). <i>Journal of Computer-Aided Molecular Design</i> , 2017, 31, 87-106.	2.9	21
76	Converging ligand-binding free energies obtained with free-energy perturbations at the quantum mechanical level. <i>Journal of Computational Chemistry</i> , 2016, 37, 1589-1600.	3.3	46
77	Catalytic mechanism of human glyoxalase I studied by quantum-mechanical cluster calculations. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 131, 18-30.	1.8	9
78	Ligand-Binding Affinity Estimates Supported by Quantum-Mechanical Methods. <i>Chemical Reviews</i> , 2016, 116, 5520-5566.	47.7	216
79	QM/MM Calculations on Proteins. <i>Methods in Enzymology</i> , 2016, 577, 119-158.	1.0	75
80	Binding-affinity predictions of HSP90 in the D3R Grand Challenge 2015 with docking, MM/GBSA, QM/MM, and free-energy simulations. <i>Journal of Computer-Aided Molecular Design</i> , 2016, 30, 707-730.	2.9	40
81	Does the DFT Self-Interaction Error Affect Energies Calculated in Proteins with Large QM Systems?. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 5667-5679.	5.3	14
82	O ₂ Activation in Salicylate 1,2-Dioxygenase: A QM/MM Study Reveals the Role of His162. <i>Inorganic Chemistry</i> , 2016, 55, 11727-11735.	4.0	14
83	Protonation states of intermediates in the reaction mechanism of [NiFe] hydrogenase studied by computational methods. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 383-394.	2.6	40
84	A Computational Comparison of Oxygen Atom Transfer Catalyzed by Dimethyl Sulfide Oxidase with Mo and W. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3580-3589.	2.0	23
85	Binding affinities by alchemical perturbation using QM/MM with a large QM system and polarizable MM model. <i>Journal of Computational Chemistry</i> , 2015, 36, 2114-2124.	3.3	38
86	Catalytic Cycle of Multicopper Oxidases Studied by Combined Quantum- and Molecular-Mechanical Free-Energy Perturbation Methods. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8268-8284.	2.6	24
87	Simulation of the isotropic EXAFS spectra for the S ₂ and S ₃ structures of the oxygen evolving complex in photosystem II. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3979-3984.	7.1	32
88	The MM/PBSA and MM/GBSA methods to estimate ligand-binding affinities. <i>Expert Opinion on Drug Discovery</i> , 2015, 10, 449-461.	5.0	2,907
89	Multiscale Modeling of the Active Site of [Fe] Hydrogenase: The H ₂ Binding Site in Open and Closed Protein Conformations. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6246-6250.	13.8	22
90	The Neutron Structure of Urate Oxidase Resolves a Long-Standing Mechanistic Conundrum and Reveals Unexpected Changes in Protonation. <i>PLoS ONE</i> , 2014, 9, e86651.	2.5	27

#	ARTICLE	IF	CITATIONS
91	Coupled Cluster Interaction Energies for 200-Atom Host-Guest Systems. <i>ChemPhysChem</i> , 2014, 15, 3270-3281.	2.1	18
92	Computational modelling of oxygenation processes in enzymes and biomimetic model complexes. <i>Chemical Communications</i> , 2014, 50, 262-282.	4.1	110
93	Comparison of the Active-Site Design of Molybdenum Oxo-Transfer Enzymes by Quantum Mechanical Calculations. <i>Inorganic Chemistry</i> , 2014, 53, 11913-11924.	4.0	17
94	Theoretical ⁵⁷ Fe Mössbauer spectroscopy: isomer shifts of [Fe]-hydrogenase intermediates. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4853-4863.	2.8	21
95	A Large-Scale Test of Free-Energy Simulation Estimates of Protein-Ligand Binding Affinities. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 2794-2806.	5.4	54
96	A fundamental view of enthalpy-entropy compensation. <i>MedChemComm</i> , 2014, 5, 1324-1336.	3.4	98
97	Conformational Entropies and Order Parameters: Convergence, Reproducibility, and Transferability. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 432-438.	5.3	31
98	A quantum-mechanical study of the reaction mechanism of sulfite oxidase. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 1165-1179.	2.6	23
99	Large Equatorial Ligand Effects on C-H Bond Activation by Nonheme Iron(IV)-oxo Complexes. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1493-1500.	2.6	35
100	Effect of explicit water molecules on ligand-binding affinities calculated with the MM/GBSA approach. <i>Journal of Molecular Modeling</i> , 2014, 20, 2273.	1.8	35
101	Free-energy perturbation and quantum mechanical study of SAMPL4 octa-acid host-guest binding energies. <i>Journal of Computer-Aided Molecular Design</i> , 2014, 28, 375-400.	2.9	70
102	Accurate calculations of geometries and singlet-triplet energy differences for active-site models of [NiFe] hydrogenase. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7927-7938.	2.8	58
103	Theoretical EXAFS studies of a model of the oxygen-evolving complex of photosystem II obtained with the quantum cluster approach. <i>International Journal of Quantum Chemistry</i> , 2013, 113, 474-478.	2.0	26
104	Comparison of MM/GBSA calculations based on explicit and implicit solvent simulations. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7731.	2.8	76
105	Effect of Geometry Optimizations on QM-Cluster and QM/MM Studies of Reaction Energies in Proteins. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 4205-4214.	5.3	75
106	Theoretical studies of the active-site structure, spectroscopic and thermodynamic properties, and reaction mechanism of multicopper oxidases. <i>Coordination Chemistry Reviews</i> , 2013, 257, 445-458.	18.8	52
107	Amino Acid Oxidation of <i>Candida antarctica</i> Lipase B Studied by Molecular Dynamics Simulations and Site-Directed Mutagenesis. <i>Biochemistry</i> , 2013, 52, 1280-1289.	2.5	21
108	Accurate Reaction Energies in Proteins Obtained by Combining QM/MM and Large QM Calculations. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 640-649.	5.3	80

#	ARTICLE	IF	CITATIONS
109	Understanding the Chemistry of Lead at a Molecular Level: The Pb(II) 6s6p Lone Pair Can Be Bisdirected in Proteins. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 2416-2424.	5.3	8
110	How are hydrogen bonds modified by metal binding?. <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 499-522.	2.6	8
111	Large Density-Functional and Basis-Set Effects for the DMSO Reductase Catalyzed Oxo-Transfer Reaction. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 1799-1807.	5.3	42
112	The Normal-Mode Entropy in the MM/GBSA Method: Effect of System Truncation, Buffer Region, and Dielectric Constant. <i>Journal of Chemical Information and Modeling</i> , 2012, 52, 2079-2088.	5.4	166
113	The Carbohydrate-Binding Site in Galectin-3 Is Preorganized To Recognize a Sugarlike Framework of Oxygens: Ultra-High-Resolution Structures and Water Dynamics. <i>Biochemistry</i> , 2012, 51, 296-306.	2.5	137
114	Convergence of QM/MM free-energy perturbations based on molecular-mechanics or semiempirical simulations. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 12592.	2.8	68
115	Can the protonation state of histidine residues be determined from molecular dynamics simulations?. <i>Computational and Theoretical Chemistry</i> , 2012, 1000, 75-84.	2.5	30
116	Transferability of conformational dependent charges from protein simulations. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 1768-1785.	2.0	10
117	Comparison of endâ€point continuumâ€solvation methods for the calculation of proteinâ€ligand binding free energies. <i>Proteins: Structure, Function and Bioinformatics</i> , 2012, 80, 1326-1342.	2.6	78
118	On the Possibility of Uphill Intramolecular Electron Transfer in Multicopper Oxidases: Electrochemical and Quantum Chemical Study of Bilirubin Oxidase. <i>Electroanalysis</i> , 2012, 24, 1524-1540.	2.9	49
119	Will molecular dynamics simulations of proteins ever reach equilibrium?. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8662.	2.8	85
120	Improving the Efficiency of Proteinâ€Ligand Binding Free-Energy Calculations by System Truncation. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 1449-1458.	5.3	18
121	Binding affinities in the SAMPL3 trypsin and hostâ€guest blind tests estimated with the MM/PBSA and LIE methods. <i>Journal of Computer-Aided Molecular Design</i> , 2012, 26, 527-541.	2.9	46
122	A semiempirical approach to ligandâ€binding affinities: Dependence on the Hamiltonian and corrections. <i>Journal of Computational Chemistry</i> , 2012, 33, 1179-1189.	3.3	28
123	Fast generation of brokenâ€symmetry states in a large system including multiple ironâ€sulfur assemblies: Investigation of QM/MM energies, clusters charges, and spin populations. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 3949-3960.	2.0	39
124	Targeting Intermediates of [FeFe]-Hydrogenase by CO and CN Vibrational Signatures. <i>Inorganic Chemistry</i> , 2011, 50, 3888-3900.	4.0	51
125	Unraveling the similarity of the photoabsorption of deprotonated p-coumaric acid in the gas phase and within the photoactive yellow protein. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1585-1589.	2.8	39
126	On the Convergence of QM/MM Energies. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 761-777.	5.3	185

#	ARTICLE	IF	CITATIONS
127	Binding Affinities of Factor Xa Inhibitors Estimated by Thermodynamic Integration and MM/GBSA. <i>Journal of Chemical Information and Modeling</i> , 2011, 51, 947-958.	5.4	72
128	Mechanistic and Physiological Implications of the Interplay among Iron-Sulfur Clusters in [FeFe]-Hydrogenases. A QM/MM Perspective. <i>Journal of the American Chemical Society</i> , 2011, 133, 18742-18749.	13.7	38
129	Conformational Dependence of Isotropic Polarizabilities. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 1404-1414.	5.3	13
130	Comparison of the Efficiency of the LIE and MM/GBSA Methods to Calculate Ligand-Binding Energies. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 3768-3778.	5.3	71
131	Comparison of Methods to Obtain Force-Field Parameters for Metal Sites. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 2452-2463.	5.3	108
132	Reductive cleavage of the O-O bond in multicopper oxidases: a QM/MM and QM study. <i>Faraday Discussions</i> , 2011, 148, 41-53.	3.2	22
133	Reorganization Energy for Internal Electron Transfer in Multicopper Oxidases. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13111-13126.	2.6	55
134	Does DFT-D estimate accurate energies for the binding of ligands to metal complexes?. <i>Dalton Transactions</i> , 2011, 40, 11176.	3.3	81
135	Accurate Predictions of Nonpolar Solvation Free Energies Require Explicit Consideration of Binding-Site Hydration. <i>Journal of the American Chemical Society</i> , 2011, 133, 13081-13092.	13.7	56
136	Arguments for a narrow species concept in <i>Rubus</i> sect. <i>Corylifolii</i> . <i>Nordic Journal of Botany</i> , 2011, 29, 708-721.	0.5	9
137	A QM/MM study of the binding of RAPTA ligands to cathepsin B. <i>Journal of Computer-Aided Molecular Design</i> , 2011, 25, 729-742.	2.9	36
138	Magnetic Properties of [FeFe]-Hydrogenases: A Theoretical Investigation Based on Extended QM and QM/MM Models of the H-Cluster and Its Surroundings. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1043-1049.	2.0	21
139	Reduction Potentials and Acidity Constants of Mn Superoxide Dismutase Calculated by QM/MM Free-Energy Methods. <i>ChemPhysChem</i> , 2011, 12, 3337-3347.	2.1	38
140	Probing the Effects of One-Electron Reduction and Protonation on the Electronic Properties of the Fe-S Clusters in the Active-Ready Form of [FeFe]-Hydrogenases. A QM/MM Investigation. <i>ChemPhysChem</i> , 2011, 12, 3376-3382.	2.1	10
141	A comparison of different initialization protocols to obtain statistically independent molecular dynamics simulations. <i>Journal of Computational Chemistry</i> , 2011, 32, 187-195.	3.3	59
142	Isocyanide in Biochemistry? A Theoretical Investigation of the Electronic Effects and Energetics of Cyanide Ligand Protonation in [FeFe]-Hydrogenases. <i>Chemistry - A European Journal</i> , 2011, 17, 1954-1965.	3.3	16
143	How to obtain statistically converged MM/GBSA results. <i>Journal of Computational Chemistry</i> , 2010, 31, 837-846.	3.3	167
144	A combined computational and experimental investigation of the [2Fe-2S] cluster in biotin synthase. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 203-212.	2.6	10

#	ARTICLE	IF	CITATIONS
145	Estimates of ligand-binding affinities supported by quantum mechanical methods. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2010, 2, 21-37.	3.6	21
146	Protein Flexibility and Conformational Entropy in Ligand Design Targeting the Carbohydrate Recognition Domain of Galectin-3. <i>Journal of the American Chemical Society</i> , 2010, 132, 14577-14589.	13.7	209
147	Ligand Affinities Estimated by Quantum Chemical Calculations. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 1726-1737.	5.3	81
148	Nonpolar Solvation Free Energies of Protein-Ligand Complexes. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 3558-3568.	5.3	26
149	Starting-Condition Dependence of Order Parameters Derived from Molecular Dynamics Simulations. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 2176-2190.	5.3	38
150	Multireference Ab Initio Calculations of $\langle b \rangle$ tensors for Trinuclear Copper Clusters in Multicopper Oxidases. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7692-7702.	2.6	42
151	An MM/3D-RISM Approach for Ligand Binding Affinities. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8505-8516.	2.6	129
152	A Five-Coordinate $[2Fe^{II}S_2]$ Cluster. <i>Inorganic Chemistry</i> , 2010, 49, 5853-5858.	4.0	16
153	Genetic analysis shows that <i>Rubus vikensis</i> a distinct species with a disjunct distribution. <i>Nordic Journal of Botany</i> , 2010, 28, 246-250.	0.5	1
154	Quantum Refinement of [FeFe] Hydrogenase Indicates a Dithiomethylamine Ligand. <i>Journal of the American Chemical Society</i> , 2010, 132, 4512-4513.	13.7	73
155	Functionally Relevant Interplay between the Fe_4S_4 Cluster and $CN^{\delta-}$ Ligands in the Active Site of [FeFe]-Hydrogenases. <i>Journal of the American Chemical Society</i> , 2010, 132, 4992-4993.	13.7	34
156	Conformational dependence of charges in protein simulations. <i>Journal of Computational Chemistry</i> , 2009, 30, 750-760.	3.3	23
157	Influence of the $[2Fe]_H$ Subcluster Environment on the Properties of Key Intermediates in the Catalytic Cycle of [FeFe] Hydrogenases: Hints for the Rational Design of Synthetic Catalysts. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3503-3506.	13.8	86
158	Review: Studies of ferric heme proteins with highly anisotropic/highly axial low spin ($\langle S \rangle = 1/2$) electron paramagnetic resonance signals with bis-Histidine and histidine-methionine axial iron coordination. <i>Biopolymers</i> , 2009, 91, 1064-1082.	2.4	72
159	Which functional groups of the molybdopterin ligand should be considered when modeling the active sites of the molybdenum and tungsten cofactors? A density functional theory study. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 1053-1064.	2.6	23
160	An improved method to predict the entropy term with the MM/PBSA approach. <i>Journal of Computer-Aided Molecular Design</i> , 2009, 23, 63-71.	2.9	122
161	How accurate are continuum solvation models for drug-like molecules?. <i>Journal of Computer-Aided Molecular Design</i> , 2009, 23, 395-409.	2.9	68
162	Conformational entropy changes upon lactose binding to the carbohydrate recognition domain of galectin-3. <i>Journal of Biomolecular NMR</i> , 2009, 45, 157-169.	2.8	75

#	ARTICLE	IF	CITATIONS
163	QM/MM study of the insertion of metal ion into protoporphyrin IX by ferrochelatase. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1680-1686.	3.5	17
164	Cobalamins uncovered by modern electronic structure calculations. <i>Coordination Chemistry Reviews</i> , 2009, 253, 769-778.	18.8	61
165	Protein Influence on Electronic Spectra Modeled by Multipoles and Polarizabilities. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 649-658.	5.3	67
166	How Accurate Can a Force Field Become? A Polarizable Multipole Model Combined with Fragment-wise Quantum-Mechanical Calculations. <i>Journal of Physical Chemistry A</i> , 2009, 113, 617-627.	2.5	99
167	Reaction Mechanism of Manganese Superoxide Dismutase Studied by Combined Quantum and Molecular Mechanical Calculations and Multiconfigurational Methods. <i>Journal of Physical Chemistry B</i> , 2009, 113, 6074-6086.	2.6	47
168	Calculation of Protein-Ligand Interaction Energies by a Fragmentation Approach Combining High-Level Quantum Chemistry with Classical Many-Body Effects. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11085-11094.	2.6	51
169	Do Quantum Mechanical Energies Calculated for Small Models of Protein-Active Sites Converge?. <i>Journal of Physical Chemistry A</i> , 2009, 113, 11793-11800.	2.5	86
170	The Influence of X-Rays on the Structural Studies of Peroxide-Derived Myoglobin Intermediates. <i>Chemistry and Biodiversity</i> , 2008, 5, 2067-2089.	2.1	16
171	A Synthetic Analogue of Rieske-Type [2Fe ₂ S] Clusters. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9537-9541.	13.8	55
172	Effect of covalent links on the structure, spectra, and redox properties of myeloperoxidase – A density functional study. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 1549-1557.	3.5	8
173	A DFT investigation on structural and redox properties of a synthetic Fe ₆ S ₆ assembly closely related to the [FeFe]-hydrogenases active site. <i>Comptes Rendus Chimie</i> , 2008, 11, 834-841.	0.5	14
174	Secondary Bonding Interactions in Biomimetic [2Fe ²⁺ S] Clusters. <i>Inorganic Chemistry</i> , 2008, 47, 1586-1596.	4.0	24
175	Accuracy of typical approximations in classical models of intermolecular polarization. <i>Journal of Chemical Physics</i> , 2008, 128, 014102.	3.0	22
176	Sulfoxide, Sulfur, and Nitrogen Oxidation and Dealkylation by Cytochrome P450. <i>Journal of Chemical Theory and Computation</i> , 2008, 4, 1369-1377.	5.3	83
177	Prediction of Activation Energies for Aromatic Oxidation by Cytochrome P450. <i>Journal of Physical Chemistry A</i> , 2008, 112, 13058-13065.	2.5	55
178	Transition-State Docking of Flunitrazepam and Progesterone in Cytochrome P450. <i>Journal of Chemical Theory and Computation</i> , 2008, 4, 673-681.	5.3	26
179	QM/MM-PBSA Method To Estimate Free Energies for Reactions in Proteins. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12537-12548.	2.6	55
180	Protonation of the Proximal Histidine Ligand in Heme Peroxidases. <i>Journal of Physical Chemistry B</i> , 2008, 112, 2501-2510.	2.6	29

#	ARTICLE	IF	CITATIONS
181	Proton Transfer at Metal Sites in Proteins Studied by Quantum Mechanical Free-Energy Perturbations. <i>Journal of Chemical Theory and Computation</i> , 2008, 4, 985-1001.	5.3	40
182	The crystal structure of peroxymyoglobin generated through cryoradiolytic reduction of myoglobin compound III during data collection. <i>Biochemical Journal</i> , 2008, 412, 257-264.	3.7	50
183	General Transition-State Force Field for Cytochrome P450 Hydroxylation. <i>Journal of Chemical Theory and Computation</i> , 2007, 3, 1765-1773.	5.3	54
184	Prediction and Rationalization of the pH Dependence of the Activity and Stability of Family 11 Xylanases. <i>Biochemistry</i> , 2007, 46, 13581-13592.	2.5	24
185	Accurate metal-site structures in proteins obtained by combining experimental data and quantum chemistry. <i>Dalton Transactions</i> , 2007, , 607-625.	3.3	55
186	A QM/MM Investigation of the Activation and Catalytic Mechanism of Fe-Only Hydrogenases. <i>Inorganic Chemistry</i> , 2007, 46, 5911-5921.	4.0	112
187	Structural Insights into the Active-Ready Form of [FeFe]-Hydrogenase and Mechanistic Details of Its Inhibition by Carbon Monoxide. <i>Inorganic Chemistry</i> , 2007, 46, 7256-7258.	4.0	44
188	Performance of density functionals for first row transition metal systems. <i>Journal of Chemical Physics</i> , 2007, 126, 014103.	3.0	210
189	Identification of the Peroxy Adduct in Multicopper Oxidases by a Combination of Computational Chemistry and Extended X-ray Absorption Fine-Structure Measurements. <i>Journal of the American Chemical Society</i> , 2007, 129, 726-727.	13.7	38
190	Dynamics of Water Molecules in the Active-Site Cavity of Human Cytochromes P450. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5445-5457.	2.6	43
191	Structure of Reduced and Oxidized Manganese Superoxide Dismutase: A Combined Computational and Experimental Approach. <i>Journal of Physical Chemistry B</i> , 2006, 110, 11511-11518.	2.6	43
192	EXAFS structure refinement supplemented by computational chemistry. <i>Physical Review B</i> , 2006, 74, .	3.2	24
193	Multireference Ab Initio Calculations on Reaction Intermediates of the Multicopper Oxidases. <i>Inorganic Chemistry</i> , 2006, 45, 11051-11059.	4.0	42
194	Structural and Photoluminescence Properties of Excited State Intramolecular Proton Transfer Capable Compounds Potential Emissive and Electron Transport Materials. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7935-7942.	2.5	39
195	Interpretation of EXAFS spectra for sitting-atop complexes with the help of computational methods. <i>Inorganica Chimica Acta</i> , 2006, 359, 1081-1092.	2.4	29
196	Combined computational and crystallographic study of the oxidised states of [NiFe] hydrogenase. <i>Computational and Theoretical Chemistry</i> , 2006, 770, 199-219.	1.5	52
197	Ligand Affinities Predicted with the MM/PBSA Method: Dependence on the Simulation Method and the Force Field. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 6596-6606.	6.4	240
198	Prediction of Activation Energies for Hydrogen Abstraction by Cytochrome P450. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 6489-6499.	6.4	120

#	ARTICLE	IF	CITATIONS
199	The role of axial ligands for the structure and function of chlorophylls. <i>Journal of Biological Inorganic Chemistry</i> , 2006, 12, 49-61.	2.6	59
200	Structures of the high-valent metal-ion haem α -oxygen intermediates in peroxidases, oxygenases and catalases. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 460-476.	3.5	152
201	The Structures of Frataxin Oligomers Reveal the Mechanism for the Delivery and Detoxification of Iron. <i>Structure</i> , 2006, 14, 1535-1546.	3.3	78
202	The reaction mechanism of iron and manganese superoxide dismutases studied by theoretical calculations. <i>Journal of Computational Chemistry</i> , 2006, 27, 1398-1414.	3.3	42
203	Comparison of overlap-based models for approximating the exchange-repulsion energy. <i>Journal of Chemical Physics</i> , 2006, 124, 244101.	3.0	33
204	Implicit versus explicit solvent in free energy calculations of enzyme catalysis: Methyl transfer catalyzed by catechol O-methyltransferase. <i>Journal of Chemical Physics</i> , 2006, 124, 174503.	3.0	18
205	O-binding to heme: electronic structure and spectrum of oxyheme, studied by multiconfigurational methods. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 45-54.	3.5	97
206	Erratum to α O ₂ -binding to heme: electronic structure and spectrum of oxyheme, studied by multiconfigurational methods α [J. Inorg. Biochem. 99(1) (2004) 45 α 54]. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 978.	3.5	27
207	Reaction Mechanism of Porphyrin Metallation Studied by Theoretical Methods. <i>Chemistry - A European Journal</i> , 2005, 11, 1549-1564.	3.3	55
208	A comparative reactivity study of microperoxidases based on hemin, mesohemin and deuterohemin. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 852-863.	3.5	16
209	NMR structure determination of proteins supplemented by quantum chemical calculations: Detailed structure of the Ca ²⁺ sites in the EGF34 fragment of protein S. <i>Journal of Biomolecular NMR</i> , 2005, 31, 97-114.	2.8	21
210	Theoretical study of structure of catalytic copper site in nitrite reductase. <i>International Journal of Quantum Chemistry</i> , 2005, 102, 520-541.	2.0	24
211	Quantum Mechanical Free Energy Barrier for an Enzymatic Reaction. <i>Physical Review Letters</i> , 2005, 94, 138302.	7.8	136
212	Comparison of chemical properties of iron, cobalt, and nickel porphyrins, corrins, and hydrocorphins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2005, 09, 581-606.	0.8	20
213	Accurate QM/MM Free Energy Calculations of Enzyme Reactions: α Methylation by CatecholO-Methyltransferase. <i>Journal of Chemical Theory and Computation</i> , 2005, 1, 1240-1251.	5.3	133
214	A Combined Quantum and Molecular Mechanical Study of the O ₂ Reductive Cleavage in the Catalytic Cycle of Multicopper Oxidases. <i>Inorganic Chemistry</i> , 2005, 44, 5612-5628.	4.0	79
215	How the Co α C Bond Is Cleaved in Coenzyme B ₁₂ Enzymes: α A Theoretical Study. <i>Journal of the American Chemical Society</i> , 2005, 127, 9117-9128.	13.7	118
216	How O ₂ Binds to Heme. <i>Journal of Biological Chemistry</i> , 2004, 279, 14561-14569.	3.4	170

#	ARTICLE	IF	CITATIONS
217	On the role of the axial ligand in heme proteins: a theoretical study. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 203-223.	2.6	176
218	The structure of sitting-atop complexes of metalloporphyrins studied by theoretical methods. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 878-895.	3.5	37
219	Protonation status of metal-bound ligands can be determined by quantum refinement. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 1539-1546.	3.5	47
220	The Protonation Status of Compound II in Myoglobin, Studied by a Combination of Experimental Data and Quantum Chemical Calculations: Quantum Refinement. <i>Biophysical Journal</i> , 2004, 87, 3437-3447.	0.5	56
221	Metal binding to <i>Bacillus subtilis</i> ferrochelatase and interaction between metal sites. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 452-458.	2.6	48
222	Comparison of the Chemical Properties of Iron and Cobalt Porphyrins and Corrins. <i>ChemBioChem</i> , 2003, 4, 413-424.	2.6	66
223	Quantum refinement – a combination of quantum chemistry and protein crystallography. <i>Computational and Theoretical Chemistry</i> , 2003, 632, 259-275.	1.5	52
224	Combined quantum and molecular mechanics calculations on metalloproteins. <i>Current Opinion in Chemical Biology</i> , 2003, 7, 136-142.	6.1	106
225	An automatic method to generate force-field parameters for hetero-compounds. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 274-289.	2.5	60
226	Lactam Hydrolysis Catalyzed by Mononuclear Metallo- β -lactamases: A Density Functional Study. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2366-2375.	2.6	29
227	Conversion of Homocysteine to Methionine by Methionine Synthase: A Density Functional Study. <i>Journal of the American Chemical Society</i> , 2003, 125, 13970-13971.	13.7	50
228	Metal Ion Enhanced Binding of AMD3100 to Asp262 in the CXCR4 Receptor. <i>Biochemistry</i> , 2003, 42, 710-717.	2.5	134
229	Quantum Chemistry Can Locally Improve Protein Crystal Structures. <i>Journal of the American Chemical Society</i> , 2003, 125, 14232-14233.	13.7	124
230	MOLCAS: a program package for computational chemistry. <i>Computational Materials Science</i> , 2003, 28, 222-239.	3.0	1,689
231	Theoretical Prediction of the Co-C Bond Strength in Cobalamins. <i>Journal of Physical Chemistry A</i> , 2003, 107, 7539-7545.	2.5	168
232	The importance of porphyrin distortions for the ferrochelatase reaction. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 273-282.	2.6	68
233	Importance of proximal hydrogen bonds in haem proteins. <i>Molecular Physics</i> , 2003, 101, 2003-2018.	1.7	29
234	Restrained point-charge models for disaccharides. <i>Journal of Computational Chemistry</i> , 2002, 23, 351-364.	3.3	11

#	ARTICLE	IF	CITATIONS
235	Quantum chemical geometry optimizations in proteins using crystallographic raw data. <i>Journal of Computational Chemistry</i> , 2002, 23, 1058-1070.	3.3	104
236	Theoretical study of the discrimination between O ₂ and CO by myoglobin. <i>Journal of Inorganic Biochemistry</i> , 2002, 91, 101-115.	3.5	69
237	The axial N-base has minor influence on Co-C bond cleavage in cobalamins. <i>Computational and Theoretical Chemistry</i> , 2002, 585, 239-255.	1.5	64
238	Inner-Sphere Reorganization Energy of Iron-Sulfur Clusters Studied with Theoretical Methods. <i>Inorganic Chemistry</i> , 2001, 40, 2509-2519.	4.0	97
239	Geometry, Reduction Potential, and Reorganization Energy of the Binuclear Cu Site, Studied by Density Functional Theory. <i>Journal of the American Chemical Society</i> , 2001, 123, 7866-7876.	13.7	96
240	A Comparison of the Inner-Sphere Reorganization Energies of Cytochromes, Iron-Sulfur Clusters, and Blue Copper Proteins. <i>Journal of Physical Chemistry B</i> , 2001, 105, 5546-5552.	2.6	135
241	A theoretical study of the copper-cysteine bond in blue copper proteins. <i>Theoretical Chemistry Accounts</i> , 2001, 105, 452-462.	1.4	58
242	Structure, strain, and reorganization energy of blue copper models in the protein. <i>International Journal of Quantum Chemistry</i> , 2001, 81, 335-347.	2.0	229
243	The structure and function of blue copper proteins. <i>Theoretical and Computational Chemistry</i> , 2001, 9, 1-55.	0.4	24
244	Structure, strain, and reorganization energy of blue copper models in the protein. <i>International Journal of Quantum Chemistry</i> , 2001, 81, 335-347.	2.0	5
245	On the role of strain in blue copper proteins. <i>Journal of Biological Inorganic Chemistry</i> , 2000, 5, 565-574.	2.6	89
246	Nuclear Quadrupole Interactions in Cadmium Complexes: Semiempirical and ab initio Calculations. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1999, 54, 422-430.	1.5	8
247	Redesign of the coenzyme specificity in l-Lactate dehydrogenase from <i>Bacillus stearothermophilus</i> using site-directed mutagenesis and media engineering. <i>Protein Engineering, Design and Selection</i> , 1999, 12, 851-856.	2.1	80
248	On the significance of hydrogen bonds for the discrimination between CO and O ₂ by myoglobin. <i>Journal of Biological Inorganic Chemistry</i> , 1999, 4, 99-110.	2.6	101
249	The influence of axial ligands on the reduction potential of blue copper proteins. <i>Journal of Biological Inorganic Chemistry</i> , 1999, 4, 654-663.	2.6	72
250	Protein strain in blue copper proteins studied by free energy perturbations. , 1999, 36, 157-174.		42
251	Carboxylate Binding Modes in Zinc Proteins: A Theoretical Study. <i>Biophysical Journal</i> , 1999, 77, 2777-2787.	0.5	115
252	Geometric and Electronic Structure of Co(II)-Substituted Azurin. <i>Journal of Physical Chemistry B</i> , 1999, 103, 8375-8382.	2.6	27

#	ARTICLE	IF	CITATIONS
253	Protein strain in blue copper proteins studied by free energy perturbations. , 1999, 36, 157.		1
254	Comparison of methods for deriving atomic charges from the electrostatic potential and moments. Journal of Computational Chemistry, 1998, 19, 377-395.	3.3	334
255	Quantum chemical calculations of the reorganization energy of blue copper proteins. Protein Science, 1998, 7, 2659-2668.	7.6	84
256	Theoretical Study of the Structural and Spectroscopic Properties of Stellacyanin. Journal of Physical Chemistry B, 1998, 102, 4638-4647.	2.6	37
257	Relation between the Structure and Spectroscopic Properties of Blue Copper Proteins. Journal of the American Chemical Society, 1998, 120, 13156-13166.	13.7	158
258	Comparison of methods for deriving atomic charges from the electrostatic potential and moments. , 1998, 19, 377.		1
259	Comparison of methods for deriving atomic charges from the electrostatic potential and moments. , 1998, 19, 377.		3
260	Comparison of methods for deriving atomic charges from the electrostatic potential and moments. Journal of Computational Chemistry, 1998, 19, 377.	3.3	1
261	Theoretical Study of the Electronic Spectrum of Plastocyanin. Journal of the American Chemical Society, 1997, 119, 218-226.	13.7	117
262	The Cupric Geometry of Blue Copper Proteins is not Strained. Journal of Molecular Biology, 1996, 261, 586-596.	4.2	176
263	The coordination of the catalytic zinc ion in alcohol dehydrogenase studied by combined quantum-chemical and molecular mechanics calculations. Journal of Computer-Aided Molecular Design, 1996, 10, 153-164.	2.9	171
264	The coordination chemistry of the structural zinc ion in alcohol dehydrogenase studied by ab initio quantum chemical calculations. European Biophysics Journal, 1996, 24, 213.	2.2	48
265	Ab Initio Calculations of Electric Field Gradients in Cadmium Complexes. The Journal of Physical Chemistry, 1996, 100, 4803-4809.	2.9	30
266	Molecular dynamics simulations of alcohol dehydrogenase with a four- or five-coordinate catalytic zinc ion. Proteins: Structure, Function and Bioinformatics, 1995, 21, 40-56.	2.6	124
267	On the role of Glu68 in alcohol dehydrogenase. Protein Science, 1995, 4, 1124-1132.	7.6	84
268	The coordination chemistry of the catalytic zinc ion in alcohol dehydrogenase studied by ab initio quantum chemical calculations. International Journal of Quantum Chemistry, 1994, 52, 1229-1243.	2.0	30
269	Structure, strain, and reorganization energy of blue copper models in the protein. , 0, .		1
270	A Comparison of Tetrapyrrole Cofactors in Nature and their Tuning by Axial Ligands. , 0, , 27-56.		0