Stefan Franzen

List of Publications by Year in descending order

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214	10,228	31976	40979
papers	citations	53 h-index	93 g-index

217	217	217	11431
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Probing BSA Binding to Citrate-Coated Gold Nanoparticles and Surfaces. Langmuir, 2005, 21, 9303-9307.	3.5	813
2	Multifunctional Gold Nanoparticleâ^'Peptide Complexes for Nuclear Targeting. Journal of the American Chemical Society, 2003, 125, 4700-4701.	13.7	752
3	Cellular Trajectories of Peptide-Modified Gold Particle Complexes:Â Comparison of Nuclear Localization Signals and Peptide Transduction Domains. Bioconjugate Chemistry, 2004, 15, 482-490.	3.6	415
4	Synthesis, Stability, and Cellular Internalization of Gold Nanoparticles Containing Mixed Peptideâ^'Poly(ethylene glycol) Monolayers. Analytical Chemistry, 2007, 79, 2221-2229.	6.5	340
5	Surface plasmon resonance in conducting metal oxides. Journal of Applied Physics, 2006, 100, 054905.	2.5	258
6	Dysprosium-doped cadmium oxide as a gateway material for mid-infrared plasmonics. Nature Materials, 2015, 14, 414-420.	27.5	216
7	Surface Plasmon Polaritons and Screened Plasma Absorption in Indium Tin Oxide Compared to Silver and Gold. Journal of Physical Chemistry C, 2008, 112, 6027-6032.	3.1	188
8	Probing Protein Adsorption onto Mercaptoundecanoic Acid Stabilized Gold Nanoparticles and Surfaces by Quartz Crystal Microbalance and Î¶-Potential Measurements. Langmuir, 2007, 23, 6053-6062.	3.5	155
9	Dependence of plasmon polaritons on the thickness of indium tin oxide thin films. Journal of Applied Physics, 2008, 103, .	2.5	149
10	Encapsidation of Nanoparticles by Red Clover Necrotic Mosaic Virus. Journal of the American Chemical Society, 2007, 129, 11111-11117.	13.7	141
11	Purification of Molecularly Bridged Metal Nanoparticle Arrays by Centrifugation and Size Exclusion Chromatography. Analytical Chemistry, 2001, 73, 5758-5761.	6.5	137
12	Controlled Encapsidation of Gold Nanoparticles by a Viral Protein Shell. Journal of the American Chemical Society, 2006, 128, 4502-4503.	13.7	123
13	Study of the Mechanism of Electron-Transfer Quenching by Boronâ^'Nitrogen Adducts in Fluorescent Sensors. Journal of Physical Chemistry B, 2003, 107, 12942-12948.	2.6	122
14	Calculation of the electronic and optical properties of indium tin oxide by density functional theory. Chemical Physics, 2004, 300, 285-293.	1.9	114
15	Evidence for sub-picosecond heme doming in hemoglobin and myoglobin: a time-resolved resonance Raman comparison of carbonmonoxy and deoxy species. Biochemistry, 1995, 34, 1224-1237.	2.5	112
16	Heme Photolysis Occurs by Ultrafast Excited State Metal-to-Ring Charge Transfer. Biophysical Journal, 2001, 80, 2372-2385.	0.5	112
17	Infrared spectra of , and D2O in the liquid phase by single-pass attenuated total internal reflection spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 2611-2619.	3.9	111
18	Cellular Uptake of Gold Nanoparticles Passivated with BSAâ^'SV40 Large T Antigen Conjugates. Analytical Chemistry, 2007, 79, 9150-9159.	6.5	107

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19	Plasmonic phenomena in indium tin oxide and ITO-Au hybrid films. Optics Letters, 2009, 34, 2867.	3.3	103
20	Infrared Detection of a Phenylboronic Acid Terminated Alkane Thiol Monolayer on Gold Surfaces. Langmuir, 2004, 20, 5512-5520.	3.5	102
21	Spin-dependent mechanism for diatomic ligand binding to heme. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 16754-16759.	7.1	101
22	Critical Flocculation Concentrations, Binding Isotherms, and Ligand Exchange Properties of Peptide-Modified Gold Nanoparticles Studied by UVâ"Visible, Fluorescence, and Time-Correlated Single Photon Counting Spectroscopies. Analytical Chemistry, 2003, 75, 5797-5805.	6.5	101
23	Regulating the fluorescence intensity of an anthracene boronic acid system: a Bâ€"N bond or a hydrolysis mechanism?. Bioorganic Chemistry, 2004, 32, 571-581.	4.1	99
24	Detection of DNA Hybridization on Gold Surfaces by Polarization Modulation Infrared Reflection Absorption Spectroscopy. Langmuir, 2002, 18, 4460-4464.	3.5	92
25	Electric field modulation of electron transfer reaction rates in isotropic systems: long distance charge recombination in photosynthetic reaction centers. The Journal of Physical Chemistry, 1990, 94, 5135-5149.	2.9	90
26	Conductive oxide thin films: Model systems for understanding and controlling surface plasmon resonance. Journal of Applied Physics, 2009, 106, .	2.5	89
27	Optical properties of indium tin oxide and fluorine-doped tin oxide surfaces: correlation of reflectivity, skin depth, and plasmon frequency with conductivity. Journal of Alloys and Compounds, 2002, 338, 73-79.	5.5	87
28	Indium Tin Oxide Plasma Frequency Dependence on Sheet Resistance and Surface Adlayers Determined by Reflectance FTIR Spectroscopy. Journal of Physical Chemistry B, 2002, 106, 12986-12992.	2.6	87
29	The Origin of Stark Splitting in the Initial Photoproduct State of MbCO. Journal of the American Chemical Society, 2005, 127, 40-41.	13.7	87
30	Center for Synchrotron Biosciences' U2B beamline: an international resource for biological infrared spectroscopy. Journal of Synchrotron Radiation, 2002, 9, 189-197.	2.4	86
31	Rapid-flow resonance Raman spectroscopy of bacterial photosynthetic reaction centers.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 11207-11211.	7.1	85
32	Effect of modulating unfolded state structure on the folding kinetics of the villin headpiece subdomain. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16662-16667.	7.1	82
33	The Mechanism of Î²-Hairpin Formationâ€. Biochemistry, 2004, 43, 11560-11566.	2.5	80
34	Solvatochromism of a Novel Betaine Dye Derived from Purine. Journal of Physical Chemistry A, 2005, 109, 759-766.	2.5	80
35	Characterization of Single- and Double-Stranded DNA on Gold Surfaces. Langmuir, 2004, 20, 11134-11140.	3.5	79
36	Optical Properties of Dye Molecules Adsorbed on Single Gold and Silver Nanoparticles. Journal of Physical Chemistry A, 2002, 106, 6533-6540.	2.5	78

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37	Infusion of dye molecules into Red clover necrotic mosaic virus. Chemical Communications, 2008, , 88-90.	4.1	77
38	The Red clover necrotic mosaic virus Capsid as a Multifunctional Cell Targeting Plant Viral Nanoparticle. Bioconjugate Chemistry, 2011, 22, 67-73.	3.6	75
39	TransEffects in Nitric Oxide Binding to Myoglobin Cavity Mutant H93Gâ€. Biochemistry, 1996, 35, 4939-4944.	2.5	74
40	Removal of the Pro-Domain Does Not Affect the Conformation of the Procaspase-3 Dimer. Biochemistry, 2001, 40, 14224-14235.	2.5	72
41	Nanoparticle Layers Assembled through DNA Hybridization:â€‰ Characterization and Optimization. Langmuir, 2002, 18, 1825-1830.	3.5	71
42	Mid-infrared surface plasmon resonance in zinc oxide semiconductor thin films. Applied Physics Letters, 2013, 102, .	3.3	69
43	The Unusual Reactivities ofAmphitrite ornataDehaloperoxidase andNotomastus lobatusChloroperoxidase Do Not Arise from a Histidine Imidazolate Proximal Heme Iron Ligand. Journal of the American Chemical Society, 1998, 120, 4658-4661.	13.7	68
44	An Electrostatic Model for the Frequency Shifts in the Carbonmonoxy Stretching Band of Myoglobin:Â Correlation of Hydrogen Bonding and the Stark Tuning Rate. Journal of the American Chemical Society, 2002, 124, 13271-13281.	13.7	68
45	Density functional calculation of a potential energy surface for alkane thiols on Au(111) as function of alkane chain length. Chemical Physics Letters, 2003, 381, 315-321.	2.6	65
46	Distance dependence of electron-transfer reactions in organized systems: the role of superexchange and non-Condon effects in photosynthetic reaction centers. The Journal of Physical Chemistry, 1993, 97, 3040-3053.	2.9	64
47	Enzyme Function of the Globin Dehaloperoxidase fromAmphitrite ornatals Activated by Substrate Bindingâ€. Biochemistry, 2005, 44, 15637-15644.	2.5	64
48	Gold and Silica-Coated Gold Nanoparticles as Thermographic Labels for DNA Detection. Analytical Chemistry, 2006, 78, 3282-3288.	6.5	63
49	Vibrational Stark Effect of the Electric-Field Reporter 4-Mercaptobenzonitrile as a Tool for Investigating Electrostatics at Electrode/SAM/Solution Interfaces. International Journal of Molecular Sciences, 2012, 13, 7466-7482.	4.1	59
50	Temperature dependence of the electric field modulation of electron-transfer rates: charge recombination in photosynthetic reaction centers. The Journal of Physical Chemistry, 1993, 97, 6304-6318.	2.9	58
51	Characterization of Dehaloperoxidase Compound ES and Its Reactivity with Trihalophenols. Biochemistry, 2009, 48, 995-1005.	2.5	58
52	A quantitative theory and computational approach for the vibrational Stark effect. Journal of Chemical Physics, 2003, 119, 851-858.	3.0	57
53	Formation of Thiolate and Phosphonate Adlayers on Indiumâ^'Tin Oxide:Â Optical and Electronic Characterization. Langmuir, 2002, 18, 6857-6865.	3.5	55
54	An Infrared Spectroscopic Study of the Conformational Transition of Elastin-Like Polypeptides. Biophysical Journal, 2007, 93, 2429-2435.	0.5	54

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55	Assignment of the Heme Axial Ligand(s) for the Ferric Myoglobin (H93G) and Heme Oxygenase (H25A) Cavity Mutants as Oxygen Donors Using Magnetic Circular Dichroism. Biochemistry, 1999, 38, 7601-7608.	2.5	53
56	Targeting cancer with â€˜smart bombsâ€™: equipping plant virus nanoparticles for a â€˜seek and destroyâ€™ mission. Nanomedicine, 2009, 4, 575-588.	3.3	52
57	Nanosecond Temperature Jump Relaxation Dynamics of Cyclic Î²-Hairpin Peptides. Biophysical Journal, 2003, 84, 3874-3882.	0.5	51
58	Internal Binding of Halogenated Phenols in Dehaloperoxidase-Hemoglobin Inhibits Peroxidase Function. Biophysical Journal, 2010, 99, 1586-1595.	0.5	51
59	Compound ES of Dehaloperoxidase Decays via Two Alternative Pathways Depending on the Conformation of the Distal Histidine. Journal of the American Chemical Society, 2010, 132, 17501-17510.	13.7	51
60	Direct evidence for the role of haem doming as the primary event in the cooperative transition of haemoglobin. Nature Structural and Molecular Biology, 1994, 1, 230-233.	8.2	50
61	Spectroscopic and Mechanistic Investigations of Dehaloperoxidase B from Amphitrite ornata. Biochemistry, 2010, 49, 6600-6616.	2.5	49
62	The pH dependence of the activity of dehaloperoxidase from Amphitrite ornata. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 121-130.	2.3	48
63	Effect of a Charge Relay on the Vibrational Frequencies of Carbonmonoxy Iron Porphine Adducts:â€‰ The Coupling of Changes in Axial Ligand Bond Strength and Porphine Core Size. Journal of the American Chemical Society, 2001, 123, 12578-12589.	13.7	47
64	Testing Bridge-Mediated Differences in Dinuclear Valence Tautomeric Behavior. Inorganic Chemistry, 2006, 45, 4461-4467.	4.0	47
65	On the Origin of Heme Absorption Band Shifts and Associated Protein Structural Relaxation in Myoglobin following Flash Photolysis. Journal of Biological Chemistry, 1997, 272, 9655-9660.	3.4	46
66	Density Functional Analysis of Anharmonic Contributions to Adenine Matrix Isolation Spectra. Journal of Physical Chemistry A, 2002, 106, 11446-11455.	2.5	46
67	Different Modes of Binding of Mono-, Di-, and Trihalogenated Phenols to the Hemoglobin Dehaloperoxidase from Amphitrite ornata. Biochemistry, 2009, 48, 2164-2172.	2.5	46
68	As good as gold and better: conducting metal oxide materials for mid-infrared plasmonic applications. Journal of Materials Chemistry C, 2018, 6, 8326-8342.	5.5	46
69	Picosecond primary structural transition of the heme is retarded after nitric oxide binding to heme proteins. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13678-13683.	7.1	45
70	Hairpin Folding Dynamics:â€‰ The Cold-Denatured State Is Predisposed for Rapid Refolding. Biochemistry, 2005, 44, 10406-10415.	2.5	43
71	Factors Determining the Efficacy of Nuclear Delivery of Antisense Oligonucleotides by Gold Nanoparticles. Bioconjugate Chemistry, 2008, 19, 1009-1016.	3.6	43
72	Characterizing the Molecular Order of Phosphonic Acid Self-Assembled Monolayers on Indium Tin Oxide Surfaces. Langmuir, 2011, 27, 11883-11888.	3.5	43

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73	Peroxygenase and Oxidase Activities of Dehaloperoxidase-Hemoglobin from Amphitrite ornata. Journal of the American Chemical Society, 2014, 136, 7914-7925.	13.7	41
74	Infrared surface plasmon resonance of AZO-Ag-AZO sandwich thin films. Optics Express, 2012, 20, 23215.	3.4	40
75	Proximal Cavity, Distal Histidine, and Substrate Hydrogen-Bonding Mutations Modulate the Activity of Amphitrite ornata Dehaloperoxidase. Biochemistry, 2006, 45, 9085-9094.	2.5	39
76	New Insights into the Role of Distal Histidine Flexibility in Ligand Stabilization of Dehaloperoxidaseâ^'Hemoglobin from Amphitrite ornata. Biochemistry, 2010, 49, 1903-1912.	2.5	39
77	The dehaloperoxidase paradox. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 578-588.	2.3	39
78	Spectroscopic Study of Substrate Binding to the Carbonmonoxy Form of Dehaloperoxidase fromAmphitriteornata. Journal of Physical Chemistry B, 2006, 110, 13264-13276.	2.6	38
79	Influence of indiumâ€“tin oxide surface structure on the ordering and coverage of carboxylic acid and thiol monolayers. Journal Physics D: Applied Physics, 2007, 40, 4212-4221.	2.8	38
80	Formation of a Five-Coordinate Hydroxide-Bound Heme in the His93Gly Mutant of Sperm Whale Myoglobin. Inorganic Chemistry, 1999, 38, 1952-1953.	4.0	37
81	X-ray crystal structural analysis of the binding site in the ferric and oxyferrous forms of the recombinant heme dehaloperoxidase cloned fromAmphitrite ornata. Acta Crystallographica Section D: Biological Crystallography, 2007, 63, 1094-1101.	2.5	37
82	Laser-Induced Temperature Jump Electrochemistry on Gold Nanoparticle-Coated Electrodes. Journal of the American Chemical Society, 2003, 125, 14258-14259.	13.7	36
83	Detection of Adsorption of Ru(II) and Os(II) Polypyridyl Complexes on Gold and Silver Nanoparticles by Single-Photon Counting Emission Measurements. Journal of Physical Chemistry B, 2005, 109, 804-810.	2.6	36
84	Transcription Inhibition Using Oligonucleotide-Modified Gold Nanoparticles. Bioconjugate Chemistry, 2006, 17, 1178-1183.	3.6	36
85	Electric field effects on emission line shapes when electron transfer competes with emission: an example from photosynthetic reaction centers. The Journal of Physical Chemistry, 1991, 95, 2217-2226.	2.9	35
86	FTIR and Resonance Raman Studies of Nitric Oxide Binding to H93G Cavity Mutants of Myoglobinâ€. Biochemistry, 2001, 40, 15047-15056.	2.5	35
87	Single-Pass Attenuated Total Reflection Fourier Transform Infrared Spectroscopy for the Analysis of Proteins in H2O Solution. Analytical Chemistry, 2002, 74, 4076-4080.	6.5	34
88	Investigation of the electrical and optical properties of iridium oxide by reflectance FTIR spectroscopy and density functional theory calculations. Chemical Physics, 2005, 313, 25-31.	1.9	34
89	Distal histidine conformational flexibility in dehaloperoxidase fromAmphitrite ornata. Acta Crystallographica Section D: Biological Crystallography, 2009, 65, 34-40.	2.5	34
90	Functional Aspects of Ultra-rapid Heme Doming in Hemoglobin, Myoglobin, and the Myoglobin Mutant H93G. Journal of Biological Chemistry, 1995, 270, 1718-1720.	3.4	33

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91	Dependence of NO Recombination Dynamics in Horse Myoglobin on Solution Glycerol Content. Journal of Physical Chemistry B, 1999, 103, 7969-7975.	2.6	33
92	Intrinsic Limitations on the |E|4 Dependence of the Enhancement Factor for Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2009, 113, 5912-5919.	3.1	33
93	Effects of applied electric fields on the quantum yields of the initial electron-transfer steps in bacterial photosynthesis. 1. Quantum yield failure. The Journal of Physical Chemistry, 1993, 97, 13165-13171.	2.9	32
94	Structural and Kinetic Study of an Internal Substrate Binding Site in Dehaloperoxidase-Hemoglobin A from Amphitrite ornata. Biochemistry, 2013, 52, 2427-2439.	2.5	32
95	Hydrogen Bonding Modulates Binding of Exogenous Ligands in a Myoglobin Proximal Cavity Mutantâ€. Biochemistry, 1999, 38, 11086-11092.	2.5	31
96	Substrate Binding Triggers a Switch in the Iron Coordination in Dehaloperoxidase from Amphitrite ornata:â€‰ HYSCORE Experiments. Journal of the American Chemical Society, 2008, 130, 2128-2129.	13.7	31
97	Structure of dehaloperoxidase B at 1.58â€…Ã… resolution and structural characterization of the AB dimer fromAmphitrite ornata. Acta Crystallographica Section D: Biological Crystallography, 2010, 66, 529-538.	2.5	31
98	A comparison of peptide and folate receptor targeting of cancer cells: from single agent to nanoparticle. Expert Opinion on Drug Delivery, 2011, 8, 281-298.	5.0	31
99	Supramolecular Control of Valence-Tautomeric Equilibrium on Nanometer-Scale Gold Clusters. Journal of the American Chemical Society, 2005, 127, 5328-5329.	13.7	30
100	Determinants of Substrate Internalization in the Distal Pocket of Dehaloperoxidase Hemoglobin of Amphitrite ornata. Biochemistry, 2008, 47, 12985-12994.	2.5	29
101	Heme Charge-Transfer Band III Is Vibronically Coupled to the Soret Band. Journal of the American Chemical Society, 2002, 124, 7146-7155.	13.7	28
102	Role of Heme Iron Coordination and Protein Structure in the Dynamics and Geminate Rebinding of Nitric Oxide to the H93G Myoglobin Mutant. Journal of Biological Chemistry, 2006, 281, 10389-10398.	3.4	28
103	Resonance Raman Studies of Heme Axial Ligation in H93G Myoglobin. Journal of Physical Chemistry B, 2000, 104, 10359-10367.	2.6	27
104	Nonphotochemical Base-Catalyzed Hydroxylation of 2,6-Dichloroquinone by H₂O₂ Occurs by a Radical Mechanism. Journal of Physical Chemistry B, 2012, 116, 1666-1676.	2.6	27
105	Electric field effects on kinetics of electron transfer reactions: connection between experiment and theory. Chemical Physics Letters, 1992, 197, 380-388.	2.6	26
106	Effects of applied electric fields on the quantum yields for the initial electron transfer steps in bacterial photosynthesis II. Dynamic Stark effect. Chemical Physics, 1995, 197, 259-275.	1.9	26
107	Resonance Raman Study of Ferric Heme Adducts of Dehaloperoxidase from Amphitrite ornata. Biochemistry, 2006, 45, 14275-14284.	2.5	26
108	Structural evidence for stabilization of inhibitor binding by a protein cavity in the dehaloperoxidaseâ€hemoglobin from Amphitrite ornata. Biopolymers, 2012, 98, 27-35.	2.4	26

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109	Determination of Separate Inhibitor and Substrate Binding Sites in the Dehaloperoxidaseâ^'Hemoglobin from Amphitrite ornata[,]. Biochemistry, 2010, 49, 1199-1206.	2.5	25
110	Kinetic Analysis of a Naturally Occurring Bioremediation Enzyme: Dehaloperoxidase-Hemoglobin from Amphitrite ornata. Journal of Physical Chemistry B, 2010, 114, 13823-13829.	2.6	24
111	Distortional Isomers of a Mixed-Valence Binuclear Cu Complex. Inorganic Chemistry, 1999, 38, 2546-2547.	4.0	22
112	A Photolysis-Triggered Heme Ligand Switch in H93G Myoglobinâ€. Biochemistry, 2001, 40, 5299-5305.	2.5	22
113	Carbonmonoxy Rebinding Kinetics in H93G Myoglobin:Â Separation of Proximal and Distal Side Effects. Journal of Physical Chemistry B, 2002, 106, 4533-4542.	2.6	22
114	Assembly and Characterization of Biomoleculeâ€“Gold Nanoparticle Conjugates and Their Use in Intracellular Imaging. , 2005, 303, 085-100.		22
115	The Role of the Distal Histidine in H2O2 Activation and Heme Protection in both Peroxidase and Globin Functions. Journal of Physical Chemistry B, 2012, 116, 12065-12077.	2.6	22
116	Single-Pass Attenuated Total Reflection Fourier Transform Infrared Spectroscopy for the Prediction of Protein Secondary Structure. Analytical Chemistry, 2002, 74, 3386-3391.	6.5	21
117	Characterization of Monolayer Formation on Aluminum-Doped Zinc Oxide Thin Films. Langmuir, 2008, 24, 433-440.	3.5	21
118	Revisiting the Peroxidase Oxidation of 2,4,6-Trihalophenols: ESR Detection of Radical Intermediates. Chemical Research in Toxicology, 2011, 24, 1862-1868.	3.3	21
119	Oxidative dechlorination of halogenated phenols catalyzed by two distinct enzymes: Horseradish peroxidase and dehaloperoxidase. Archives of Biochemistry and Biophysics, 2011, 505, 22-32.	3.0	21
120	Viruses as Nanomaterials for Drug Delivery. Methods in Molecular Biology, 2011, 726, 207-221.	0.9	21
121	Spectroscopic Comparisons of MoW(porphyrin)2Heterodimers with Homologous Mo2and W2Quadruple Bonds:Â A Dynamic NMR and Resonance Raman Study. Journal of the American Chemical Society, 1998, 120, 1456-1465.	13.7	20
122	Steered molecular dynamics study of inhibitor binding in the internal binding site in dehaloperoxidase-hemoglobin. Biophysical Chemistry, 2016, 211, 28-38.	2.8	20
123	Use of Periodic Boundary Conditions To Calculate Accurate Î²-Sheet Frequencies Using Density Functional Theory. Journal of Physical Chemistry A, 2003, 107, 9898-9902.	2.5	19
124	Study of Polymer Glasses by Modulated Differential Scanning Calorimetry in the Undergraduate Physical Chemistry Laboratory. Journal of Chemical Education, 2003, 80, 813.	2.3	19
125	Kinetic Study of the Inhibition Mechanism of Dehaloperoxidase-Hemoglobin A by 4-Bromophenol. Journal of Physical Chemistry B, 2013, 117, 8301-8309.	2.6	19
126	Near-Infrared Optical Extinction of Indium Tin Oxide Structures Prepared by Nanosphere Lithography. ACS Photonics, 2016, 3, 1993-1999.	6.6	19

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127	CO Vibration as a Probe of Ligand Dissociation and Transfer in Myoglobin. Physical Review Letters, 2004, 93, 018102.	7.8	18
128	The Role of Selection Pressure in RNA-Mediated Evolutionary Materials Synthesis. Journal of the American Chemical Society, 2007, 129, 15340-15346.	13.7	18
129	Controlling enantioselectivity of esterase in asymmetric hydrolysis of aryl prochiral diesters by introducing aromatic interactions. Biotechnology and Bioengineering, 2014, 111, 1729-1739.	3.3	18
130	Distinct Enzymeâ€“Substrate Interactions Revealed by Two Dimensional Kinetic Comparison between Dehaloperoxidase-Hemoglobin and Horseradish Peroxidase. Journal of Physical Chemistry B, 2015, 119, 12828-12837.	2.6	18
131	Design and Regulation of Efficient Photoinduced Electron Transfer in Macromolecular and Photosynthetic Systems. Annual Review of Physical Chemistry, 1995, 46, 453-488.	10.8	17
132	Functional Consequences of the Creation of an Asp-His-Fe Triad in a 3/3 Globin. Biochemistry, 2011, 50, 9664-9680.	2.5	17
133	Degradation of sulfide by dehaloperoxidase-hemoglobin from Amphitrite ornata. Journal of Biological Inorganic Chemistry, 2011, 16, 611-619.	2.6	17
134	Thin-layer spectroelectrochemistry of the Fe(III)/Fe(II) redox reaction of dehaloperoxidase-hemoglobin. Journal of Electroanalytical Chemistry, 2012, 668, 37-43.	3.8	17
135	Interaction of Azole-Based Environmental Pollutants with the Coelomic Hemoglobin from Amphitrite ornata: A Molecular Basis for Toxicity. Biochemistry, 2017, 56, 2294-2303.	2.5	17
136	Electrostatic and Conformational Effects on the Electronic Structures of Distortional Isomers of a Mixed-Valence Binuclear Cu Complex. Inorganic Chemistry, 2001, 40, 6375-6382.	4.0	16
137	Experimental Observation of Anharmonic Coupling of the Heme-Doming and Ironâ^'Ligand Out-of-Plane Vibrational Modes Confirmed by Density Functional Theory. Journal of Physical Chemistry B, 2002, 106, 11641-11646.	2.6	16
138	Proximal ligand motions in H93G myoglobin. FEBS Journal, 2002, 269, 4879-4886.	0.2	16
139	Is Pd₂(DBA)₃ a Feasible Precursor for the Synthesis of Pd Nanoparticles?. Journal of Physical Chemistry C, 2009, 113, 12706-12714.	3.1	16
140	Correlation of Heme Binding Affinity and Enzyme Kinetics of Dehaloperoxidase. Biochemistry, 2014, 53, 6863-6877.	2.5	15
141	The coupling of tautomerization to hydration in the transition state on the pyrimidine photohydration reaction path. Physical Chemistry Chemical Physics, 2014, 16, 20164.	2.8	15
142	Measurement of Internal Substrate Binding in Dehaloperoxidaseâ€“Hemoglobin by Competition with the Hemeâ€“Fluoride Binding Equilibrium. Journal of Physical Chemistry B, 2015, 119, 2827-2838.	2.6	15
143	Stark-Effect Spectroscopy of the Heme Charge-Transfer Bands of Deoxymyoglobin. Journal of Physical Chemistry B, 1999, 103, 3070-3072.	2.6	14
144	Interfacial and Solvent Effects Govern the Formation of Tris(dibenzylidenacetone)dipalladium(0) Microstructures. Langmuir, 2008, 24, 7803-7809.	3.5	14

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145	Ab Initio Calculation of Resonance Raman Cross Sections Based on Excited State Geometry Optimization. Journal of Physical Chemistry A, 2010, 114, 11681-11690.	2.5	14
146	Resonance Raman enhancement of pyridine on Ag clusters. Chemical Physics, 2012, 397, 34-41.	1.9	14
147	The Regulatory Implications of Hydroquinone for the Multifunctional Enzyme Dehaloperoxidase-Hemoglobin from Amphitrite ornata. Journal of Physical Chemistry B, 2013, 117, 14615-14624.	2.6	14
148	Pharmacokinetics and efficacy of doxorubicin-loaded plant virus nanoparticles in preclinical models of cancer. Nanomedicine, 2017, 12, 2519-2532.	3.3	14
149	Efficiency and pattern of UV pulse laser-induced RNA-RNA cross-linking in the ribosome. Nucleic Acids Research, 2004, 32, 1518-1526.	14.5	13
150	Hydrophobic Distal Pocket Affects NOâ^'Heme Geminate Recombination Dynamics in Dehaloperoxidase and H64V Myoglobin. Journal of Physical Chemistry B, 2006, 110, 14483-14493.	2.6	13
151	Conductive thin film multilayers of gold on glass formed by self-assembly of multiple size gold nanoparticles. Thin Solid Films, 2009, 517, 6803-6808.	1.8	13
152	Photoinduced Fluorescent Cross-Linking of 5-Chloro- and 5-Fluoro-4-thiouridines with Thymidine. Journal of Organic Chemistry, 2010, 75, 621-626.	3.2	13
153	Dehaloperoxidase-Hemoglobin from Amphitrite ornata Is Primarily a Monomer in Solution. Journal of Physical Chemistry B, 2011, 115, 4266-4272.	2.6	13
154	Catalytic efficiency of dehaloperoxidase A is controlled by electrostatics â€“ application of the vibrational Stark effect to understand enzyme kinetics. Biochemical and Biophysical Research Communications, 2013, 430, 1011-1015.	2.1	13
155	A role for hydrophobicity in a Dielsâ€“Alder reaction catalyzed by pyridyl-modified RNA. Nucleic Acids Research, 2009, 37, 3074-3082.	14.5	12
156	Excited-State Geometry Method for Calculation of the Absolute Resonance Raman Cross Sections of the Aromatic Amino Acids. Journal of Physical Chemistry A, 2009, 113, 5414-5422.	2.5	12
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