# Stefan Franzen

## List of Publications by Year in descending order

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|---|---|---|---|
| 214 papers | 10,228 citations | 31949 53 h-index | 40954 93 g-index |

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

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Classical Model of Surface Enhanced Infrared Absorption (SEIRA) Spectroscopy. Journal of Physical Chemistry A, 2022, , . | 1.1 | 2 |
| 2 | Evolution in a Test Tube. , 2021, , 1-24. | | 1 |
| 3 | Behind the FaÃ§ade of Self-Correcting Science. , 2021, , 147-152. | | 0 |
| 4 | A new inhibition mechanism in the multifunctional catalytic hemoglobin dehaloperoxidase as revealed by the DHP A(V59W) mutant: A spectroscopic and crystallographic study. Journal of Porphyrins and Phthalocyanines, 2021, 25, 756-771. | 0.4 | 0 |
| 5 | University Administration of Scientific Ethics. , 2021, , 127-145. | | 0 |
| 6 | Classical Correlation Model of Resonance Raman Spectroscopy. Journal of Physical Chemistry A, 2020, 124, 9177-9186. | 1.1 | 1 |
| 7 | Critical Test of the Interaction of Surface Plasmon Resonances with Molecular Vibrational Transitions. Journal of Physical Chemistry A, 2020, 124, 1744-1753. | 1.1 | 2 |
| 8 | Dynamics of dehaloperoxidase-hemoglobin A derived from NMR relaxation spectroscopy and molecular dynamics simulation. Journal of Inorganic Biochemistry, 2018, 181, 65-73. | 1.5 | 5 |
| 9 | As good as gold and better: conducting metal oxide materials for mid-infrared plasmonic applications. Journal of Materials Chemistry C, 2018, 6, 8326-8342. | 2.7 | 46 |
| 10 | Interaction of Azole-Based Environmental Pollutants with the Coelomic Hemoglobin from Amphitrite ornata: A Molecular Basis for Toxicity. Biochemistry, 2017, 56, 2294-2303. | 1.2 | 17 |
| 11 | Pharmacokinetics and efficacy of doxorubicin-loaded plant virus nanoparticles in preclinical models of cancer. Nanomedicine, 2017, 12, 2519-2532. | 1.7 | 14 |
| 12 | Bindings of NO, CO, and O2 to multifunctional globin type dehaloperoxidase follow the â€˜sliding scale ruleâ€™. Biochemical Journal, 2017, 474, 3485-3498. | 1.7 | 2 |
| 13 | Vibrational spectroscopy of the double complex salt Pd(NH3)4(ReO4)2, a bimetallic catalyst precursor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 618-624. | 2.0 | 5 |
| 14 | Near-Infrared Optical Extinction of Indium Tin Oxide Structures Prepared by Nanosphere Lithography. ACS Photonics, 2016, 3, 1993-1999. | 3.2 | 19 |
| 15 | Steered molecular dynamics study of inhibitor binding in the internal binding site in dehaloperoxidase-hemoglobin. Biophysical Chemistry, 2016, 211, 28-38. | 1.5 | 20 |
| 16 | The quadrapolar character of the Markovnikov reaction transition state. Chemical Physics, 2016, 464, 46-54. | 0.9 | 5 |
| 17 | Dysprosium-doped cadmium oxide as a gateway material for mid-infrared plasmonics. Nature Materials, 2015, 14, 414-420. | 13.3 | 216 |
| 18 | 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. | 1.2 | 15 |

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| 19 | 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. | 1.2 | 18 |
| 20 | Aerobic oxidation of Î²-isophorone by tetraphenylporphyrin catalysts in pyridine solution. Journal of Molecular Catalysis A, 2015, 410, 110-120. | 4.8 | 1 |
| 21 | Controlling enantioselectivity of esterase in asymmetric hydrolysis of aryl prochiral diesters by introducing aromatic interactions. Biotechnology and Bioengineering, 2014, 111, 1729-1739. | 1.7 | 18 |
| 22 | Correlation of Heme Binding Affinity and Enzyme Kinetics of Dehaloperoxidase. Biochemistry, 2014, 53, 6863-6877. | 1.2 | 15 |
| 23 | The coupling of tautomerization to hydration in the transition state on the pyrimidine photohydration reaction path. Physical Chemistry Chemical Physics, 2014, 16, 20164. | 1.3 | 15 |
| 24 | Photochemistry of 6-amino-2-azido, 2-amino-6-azido and 2,6-diazido analogues of purine ribonucleosides in aqueous solutions. Photochemical and Photobiological Sciences, 2014, 13, 563-573. | 1.6 | 8 |
| 25 | Highly Efficient Fluorescent Interstrand Photoâ€crosslinking of DNA Duplexes Labeled with 5â€Fluoroâ€4â€thioâ€2â€²â€Oâ€methyluridine. ChemBioChem, 2014, 15, 2045-2049. | 1.3 | 7 |
| 26 | Peroxygenase and Oxidase Activities of Dehaloperoxidase-Hemoglobin from Amphitrite ornata. Journal of the American Chemical Society, 2014, 136, 7914-7925. | 6.6 | 41 |
| 27 | A Model for the Flexibility of the Distal Histidine in Dehaloperoxidase-Hemoglobin A Based on X-ray Crystal Structures of the Carbon Monoxide Adduct. Biochemistry, 2014, 53, 2474-2482. | 1.2 | 11 |
| 28 | Dynamics of Multifunctional Dehaloperoxidase Hemoglobin. Biophysical Journal, 2014, 106, 662a. | 0.2 | 0 |
| 29 | Self-Assembley of Dehaloperoxidase-Hemoglobin Probed by Backbone Dynamics using NMR Relaxation Experiments and Molecular Dynamics Simulation. Biophysical Journal, 2014, 106, 466a. | 0.2 | 0 |
| 30 | Mid-infrared surface plasmon resonance in zinc oxide semiconductor thin films. Applied Physics Letters, 2013, 102, . | 1.5 | 69 |
| 31 | Comment on â€˜Cooperativity between two selected RNA Pdases in the synthesis of Pd nanoparticlesâ€™ by J. L. Rouge et al., J. Mater. Chem., 2010, 20, 8394â€“8398. Journal of Materials Chemistry B, 2013, 1, 6339. | 2.9 | 1 |
| 32 | The role of T56 in controlling the flexibility of the distal histidine in dehaloperoxidase-hemoglobin from Amphitrite ornata. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 2020-2029. | 1.1 | 9 |
| 33 | 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. | 1.0 | 13 |
| 34 | Role of Polarity of the Distal Pocket in the Control of Inhibitor Binding in Dehaloperoxidase-Hemoglobin. Biochemistry, 2013, 52, 2218-2227. | 1.2 | 10 |
| 35 | Structural and Kinetic Study of an Internal Substrate Binding Site in Dehaloperoxidase-Hemoglobin A from Amphitrite ornata. Biochemistry, 2013, 52, 2427-2439. | 1.2 | 32 |
| 36 | Kinetic Study of the Inhibition Mechanism of Dehaloperoxidase-Hemoglobin A by 4-Bromophenol. Journal of Physical Chemistry B, 2013, 117, 8301-8309. | 1.2 | 19 |

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| 37 | Functional Consequences of the Open Distal Pocket of Dehaloperoxidase-Hemoglobin Observed by Time-Resolved X-ray Crystallography. Biochemistry, 2013, 52, 7943-7950. | 1.2 | 3 |
| 38 | The Regulatory Implications of Hydroquinone for the Multifunctional Enzyme Dehaloperoxidase-Hemoglobin from Amphitrite ornata. Journal of Physical Chemistry B, 2013, 117, 14615-14624. | 1.2 | 14 |
| 39 | The Formation of Pd Nanocrystals from Pd<sub>2</sub>(dba)<sub>3</sub> Microcrystals. Particle and Particle Systems Characterization, 2013, 30, 280-286. | 1.2 | 3 |
| 40 | Crystals: The Formation of Pd Nanocrystals from Pd2 (dba)3 Microcrystals (Part. Part. Syst. Charact.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 1.2 | 0 |
| 41 | Infrared surface plasmon resonance of AZO-Ag-AZO sandwich thin films. Optics Express, 2012, 20, 23215. | 1.7 | 40 |
| 42 | 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. | 1.8 | 59 |
| 43 | Photoaddition of 5-Bromouracil to Uracil in Oligonucleotides Leading to 5,5â€²-Bipyrimidine-Type Adducts: Mechanism of the Photoreaction. Journal of Organic Chemistry, 2012, 77, 11362-11367. | 1.7 | 5 |
| 44 | Nonphotochemical Base-Catalyzed Hydroxylation of 2,6-Dichloroquinone by H<sub>2</sub>O<sub>2</sub> Occurs by a Radical Mechanism. Journal of Physical Chemistry B, 2012, 116, 1666-1676. | 1.2 | 27 |
| 45 | Thin-layer spectroelectrochemistry of the Fe(III)/Fe(II) redox reaction of dehaloperoxidase-hemoglobin. Journal of Electroanalytical Chemistry, 2012, 668, 37-43. | 1.9 | 17 |
| 46 | The dehaloperoxidase paradox. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 578-588. | 1.1 | 39 |
| 47 | Study of the electrostatic effects of mutations on the surface of dehaloperoxidase-hemoglobin A. Biochemical and Biophysical Research Communications, 2012, 420, 733-737. | 1.0 | 8 |
| 48 | A Resonance Raman Enhancement Mechanism for Axial Vibrational Modes in the Pyridine Adduct of Myoglobin Proximal Cavity Mutant (H93G). Journal of Physical Chemistry B, 2012, 116, 10514-10521. | 1.2 | 4 |
| 49 | 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. | 1.2 | 22 |
| 50 | Resonance Raman enhancement of pyridine on Ag clusters. Chemical Physics, 2012, 397, 34-41. | 0.9 | 14 |
| 51 | Structural evidence for stabilization of inhibitor binding by a protein cavity in the dehaloperoxidaseâ€hemoglobin from Amphitrite ornata. Biopolymers, 2012, 98, 27-35. | 1.2 | 26 |
| 52 | Dehaloperoxidase-Hemoglobin from Amphitrite ornata Is Primarily a Monomer in Solution. Journal of Physical Chemistry B, 2011, 115, 4266-4272. | 1.2 | 13 |
| 53 | Mass Spectrometric Detection of Targeting Peptide Bioconjugation toRed clover necrotic mosaic virus. Bioconjugate Chemistry, 2011, 22, 1970-1982. | 1.8 | 2 |
| 54 | Analysis of RNA-Mediated Materials Synthesis Using Magnetic Selection. Journal of Physical Chemistry C, 2011, 115, 9335-9343. | 1.5 | 3 |

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| 55 | Functional Consequences of the Creation of an Asp-His-Fe Triad in a 3/3 Globin. Biochemistry, 2011, 50, 9664-9680. | 1.2 | 17 |
| 56 | Decay of Compound ES in Dehaloperoxidase-Hemoglobin. Biophysical Journal, 2011, 100, 194a. | 0.2 | 1 |
| 57 | Effect of H55D Mutation on Kinetics and Structure of Dehaloperoxidase-Hemoglobin A. Biophysical Journal, 2011, 100, 221a. | 0.2 | 0 |
| 58 | Revisiting the Peroxidase Oxidation of 2,4,6-Trihalophenols: ESR Detection of Radical Intermediates. Chemical Research in Toxicology, 2011, 24, 1862-1868. | 1.7 | 21 |
| 59 | Determination of the Solubility Limit of Tris(dibenzylideneacetone) dipalladium(0) in Tetrahydrofuran/Water Mixtures. Journal of Chemical Education, 2011, 88, 619-623. | 1.1 | 7 |
| 60 | Characterizing the Molecular Order of Phosphonic Acid Self-Assembled Monolayers on Indium Tin Oxide Surfaces. Langmuir, 2011, 27, 11883-11888. | 1.6 | 43 |
| 61 | Mutagenesis Study on the Conformation of Distal Histidine in Dehaloperoxidase-Hemoglobin. Biophysical Journal, 2011, 100, 221a. | 0.2 | 0 |
| 62 | Distal Histidine Flexibility as the Key to the Reactivity of Dehaloperoxidase-Hemoglobin. Biophysical Journal, 2011, 100, 222a. | 0.2 | 0 |
| 63 | Making Substrates Out of Inhibitors: Distal Cavity Mutations in Dehaloperoxidase from Amphitrite Ornata. Biophysical Journal, 2011, 100, 222a. | 0.2 | 0 |
| 64 | Molecular Activation by Peroxidases. Biophysical Journal, 2011, 100, 221a. | 0.2 | 0 |
| 65 | Oxidative dechlorination of halogenated phenols catalyzed by two distinct enzymes: Horseradish peroxidase and dehaloperoxidase. Archives of Biochemistry and Biophysics, 2011, 505, 22-32. | 1.4 | 21 |
| 66 | 5-Fluoro-4-thiouridine phosphoramidite: New synthon for introducing photoaffinity label into oligodeoxynucleotides. Bioorganic and Medicinal Chemistry, 2011, 19, 6098-6106. | 1.4 | 11 |
| 67 | 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. | 2.4 | 31 |
| 68 | Viruses as Nanomaterials for Drug Delivery. Methods in Molecular Biology, 2011, 726, 207-221. | 0.4 | 21 |
| 69 | The Red clover necrotic mosaic virus Capsid as a Multifunctional Cell Targeting Plant Viral Nanoparticle. Bioconjugate Chemistry, 2011, 22, 67-73. | 1.8 | 75 |
| 70 | Degradation of sulfide by dehaloperoxidase-hemoglobin from Amphitrite ornata. Journal of Biological Inorganic Chemistry, 2011, 16, 611-619. | 1.1 | 17 |
| 71 | Virus-based Nanoparticles as Tools for Biomedicine. , 2011, , . | | 1 |
| 72 | 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 |

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| 73 | X-ray structure of the metcyano form of dehaloperoxidase fromAmphitrite ornata: evidence for photoreductive dissociation of the ironâ€“cyanide bond. Acta Crystallographica Section D: Biological Crystallography, 2010, 66, 770-782. | 2.5 | 10 |
| 74 | 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. | 3.3 | 45 |
| 75 | A Critical Assessment of RNA-Mediated Materials Synthesis. Materials Research Society Symposia Proceedings, 2010, 1272, 1. | 0.1 | 3 |
| 76 | Experimental and Computational Study of the Monomer-Dimer Equilibrium in Dehaloperoxidase from Amphitrite Ornata. Biophysical Journal, 2010, 98, 640a. | 0.2 | 0 |
| 77 | Internal Binding of Halogenated Phenols in Dehaloperoxidase-Hemoglobin Inhibits Peroxidase Function. Biophysical Journal, 2010, 99, 1586-1595. | 0.2 | 51 |
| 78 | Determination of Separate Inhibitor and Substrate Binding Sites in the Dehaloperoxidaseâ€Hemoglobin from Amphitrite ornata<sup>,</sup>. Biochemistry, 2010, 49, 1199-1206. | 1.2 | 25 |
| 79 | Kinetic Analysis of a Naturally Occurring Bioremediation Enzyme: Dehaloperoxidase-Hemoglobin from Amphitrite ornata. Journal of Physical Chemistry B, 2010, 114, 13823-13829. | 1.2 | 24 |
| 80 | Ab Initio Calculation of Resonance Raman Cross Sections Based on Excited State Geometry Optimization. Journal of Physical Chemistry A, 2010, 114, 11681-11690. | 1.1 | 14 |
| 81 | 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. | 6.6 | 51 |
| 82 | New Insights into the Role of Distal Histidine Flexibility in Ligand Stabilization of Dehaloperoxidaseâ€Hemoglobin from Amphitrite ornata. Biochemistry, 2010, 49, 1903-1912. | 1.2 | 39 |
| 83 | Photoinduced Fluorescent Cross-Linking of 5-Chloro- and 5-Fluoro-4-thiouridines with Thymidine. Journal of Organic Chemistry, 2010, 75, 621-626. | 1.7 | 13 |
| 84 | Spectroscopic and Mechanistic Investigations of Dehaloperoxidase B from Amphitrite ornata. Biochemistry, 2010, 49, 6600-6616. | 1.2 | 49 |
| 85 | Block the Inhibitor Binding Site in the Interior of Dehaloperoxidase from Amphitrite Ornata. Biophysical Journal, 2010, 98, 641a. | 0.2 | 0 |
| 86 | Picosecond Time-resolved Resonance Raman Investigation of Primary Structural Transition of the Heme Induced by Nitric Oxide Rebinding. , 2010, , . | | 0 |
| 87 | Expanding the catalytic repertoire of ribozymes and deoxyribozymes beyond RNA substrates. Current Opinion in Molecular Therapeutics, 2010, 12, 223-32. | 2.8 | 11 |
| 88 | Conductive oxide thin films: Model systems for understanding and controlling surface plasmon resonance. Journal of Applied Physics, 2009, 106, . | 1.1 | 89 |
| 89 | A role for hydrophobicity in a Dielsâ€“Alder reaction catalyzed by pyridyl-modified RNA. Nucleic Acids Research, 2009, 37, 3074-3082. | 6.5 | 12 |
| 90 | Distal histidine conformational flexibility in dehaloperoxidase fromAmphitrite ornata. Acta Crystallographica Section D: Biological Crystallography, 2009, 65, 34-40. | 2.5 | 34 |

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| 91 | Conductive thin film multilayers of gold on glass formed by self-assembly of multiple size gold nanoparticles. Thin Solid Films, 2009, 517, 6803-6808. | 0.8 | 13 |
| 92 | Targeting cancer with â€˜smart bombsâ€™: equipping plant virus nanoparticles for a â€˜seek and destroyâ€™ mission. Nanomedicine, 2009, 4, 575-588. | 1.7 | 52 |
| 93 | Is Pd<sub>2</sub>(DBA)<sub>3</sub> a Feasible Precursor for the Synthesis of Pd Nanoparticles?. Journal of Physical Chemistry C, 2009, 113, 12706-12714. | 1.5 | 16 |
| 94 | 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. | 1.1 | 12 |
| 95 | Characterization of Dehaloperoxidase Compound ES and Its Reactivity with Trihalophenols. Biochemistry, 2009, 48, 995-1005. | 1.2 | 58 |
| 96 | 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. | 1.5 | 33 |
| 97 | Plasmonic phenomena in indium tin oxide and ITO-Au hybrid films. Optics Letters, 2009, 34, 2867. | 1.7 | 103 |
| 98 | Resonance Raman Probes of the Internal Binding Pocket of Dehaloperoxidase from Amphitrite ornata. Biophysical Journal, 2009, 96, 437a. | 0.2 | 0 |
| 99 | Different Modes of Binding of Mono-, Di-, and Trihalogenated Phenols to the Hemoglobin Dehaloperoxidase from Amphitrite ornata. Biochemistry, 2009, 48, 2164-2172. | 1.2 | 46 |
| 100 | Substrate binding triggers a switch in the iron coordination in dehaloperoxidase from Amphitrite Ornate. Biophysical Journal, 2009, 96, 437a. | 0.2 | 0 |
| 101 | Spectroscopic Probes of the Reactive Intermediates of Dehaloperoxidase from Amphitrite ornata. Biophysical Journal, 2009, 96, 437a. | 0.2 | 1 |
| 102 | Structural Probes Of Reactive Intermediates Of Dehaloperoxidase From Amphitrite ornata. Biophysical Journal, 2009, 96, 558a. | 0.2 | 0 |
| 103 | Investigation of hexadecanethiol self-assembled monolayers on cadmium tin oxide thin films. Thin Solid Films, 2008, 516, 1838-1842. | 0.8 | 6 |
| 104 | Infusion of dye molecules into Red clover necrotic mosaic virus. Chemical Communications, 2008, , 88-90. | 2.2 | 77 |
| 105 | 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. | 1.5 | 188 |
| 106 | Factors Determining the Efficacy of Nuclear Delivery of Antisense Oligonucleotides by Gold Nanoparticles. Bioconjugate Chemistry, 2008, 19, 1009-1016. | 1.8 | 43 |
| 107 | Interfacial and Solvent Effects Govern the Formation of Tris(dibenzylidenacetone)dipalladium(0) Microstructures. Langmuir, 2008, 24, 7803-7809. | 1.6 | 14 |
| 108 | Determinants of Substrate Internalization in the Distal Pocket of Dehaloperoxidase Hemoglobin of Amphitrite ornata. Biochemistry, 2008, 47, 12985-12994. | 1.2 | 29 |

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| 109 | 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. | 6.6 | 31 |
| 110 | Conformational Dynamics Associated with Photodissociation of CO from Dehaloperoxidase Studied Using Photoacoustic Calorimetry. Biochemistry, 2008, 47, 11510-11517. | 1.2 | 8 |
| 111 | Characterization of Monolayer Formation on Aluminum-Doped Zinc Oxide Thin Films. Langmuir, 2008, 24, 433-440. | 1.6 | 21 |
| 112 | Dependence of plasmon polaritons on the thickness of indium tin oxide thin films. Journal of Applied Physics, 2008, 103, . | 1.1 | 149 |
| 113 | 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. | 1.3 | 38 |
| 114 | Probing Protein Adsorption onto Mercaptoundecanoic Acid Stabilized Gold Nanoparticles and Surfaces by Quartz Crystal Microbalance and Î¶-Potential Measurements. Langmuir, 2007, 23, 6053-6062. | 1.6 | 155 |
| 115 | Cellular Uptake of Gold Nanoparticles Passivated with BSAâ˜†SV40 Large T Antigen Conjugates. Analytical Chemistry, 2007, 79, 9150-9159. | 3.2 | 107 |
| 116 | Encapsidation of Nanoparticles by Red Clover Necrotic Mosaic Virus. Journal of the American Chemical Society, 2007, 129, 11111-11117. | 6.6 | 141 |
| 117 | The Role of Selection Pressure in RNA-Mediated Evolutionary Materials Synthesis. Journal of the American Chemical Society, 2007, 129, 15340-15346. | 6.6 | 18 |
| 118 | An Infrared Spectroscopic Study of the Conformational Transition of Elastin-Like Polypeptides. Biophysical Journal, 2007, 93, 2429-2435. | 0.2 | 54 |
| 119 | The pH dependence of the activity of dehaloperoxidase from Amphitrite ornata. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 121-130. | 1.1 | 48 |
| 120 | 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 |
| 121 | Synthesis, Stability, and Cellular Internalization of Gold Nanoparticles Containing Mixed Peptideâ˜†Poly(ethylene glycol) Monolayers. Analytical Chemistry, 2007, 79, 2221-2229. | 3.2 | 340 |
| 122 | Detection of DNA hybridization on indium tin oxide surfaces. Sensors and Actuators B: Chemical, 2007, 125, 574-580. | 4.0 | 10 |
| 123 | Transcription Inhibition Using Oligonucleotide-Modified Gold Nanoparticles. Bioconjugate Chemistry, 2006, 17, 1178-1183. | 1.8 | 36 |
| 124 | Gold and Silica-Coated Gold Nanoparticles as Thermographic Labels for DNA Detection. Analytical Chemistry, 2006, 78, 3282-3288. | 3.2 | 63 |
| 125 | Controlled Encapsidation of Gold Nanoparticles by a Viral Protein Shell. Journal of the American Chemical Society, 2006, 128, 4502-4503. | 6.6 | 123 |
| 126 | Resonance Raman Study of Ferric Heme Adducts of Dehaloperoxidase from Amphitrite ornata. Biochemistry, 2006, 45, 14275-14284. | 1.2 | 26 |

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| 127 | Testing Bridge-Mediated Differences in Dinuclear Valence Tautomeric Behavior. Inorganic Chemistry, 2006, 45, 4461-4467. | 1.9 | 47 |
| 128 | Spectroscopic Study of Substrate Binding to the Carbonmonoxy Form of Dehaloperoxidase fromAmphitriteornata. Journal of Physical Chemistry B, 2006, 110, 13264-13276. | 1.2 | 38 |
| 129 | Proximal Cavity, Distal Histidine, and Substrate Hydrogen-Bonding Mutations Modulate the Activity of Amphitrite ornata Dehaloperoxidase. Biochemistry, 2006, 45, 9085-9094. | 1.2 | 39 |
| 130 | Hydrophobic Distal Pocket Affects NOâ^'Heme Geminate Recombination Dynamics in Dehaloperoxidase and H64V Myoglobin. Journal of Physical Chemistry B, 2006, 110, 14483-14493. | 1.2 | 13 |
| 131 | Nanoscale Structural and Chemical Characterization of Silica Coated Gold Nanoparticles Using STEM 3D Imaging and EELS. Microscopy and Microanalysis, 2006, 12, 602-603. | 0.2 | 1 |
| 132 | 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. | 1.6 | 28 |
| 133 | Surface plasmon resonance in conducting metal oxides. Journal of Applied Physics, 2006, 100, 054905. | 1.1 | 258 |
| 134 | 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. | 0.9 | 34 |
| 135 | Probing BSA Binding to Citrate-Coated Gold Nanoparticles and Surfaces. Langmuir, 2005, 21, 9303-9307. | 1.6 | 813 |
| 136 | Assembly and Characterization of Biomoleculeâ€"Gold Nanoparticle Conjugates and Their Use in Intracellular Imaging. , 2005, 303, 085-100. | | 22 |
| 137 | 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. | 3.3 | 82 |
| 138 | Solvatochromism of a Novel Betaine Dye Derived from Purine. Journal of Physical Chemistry A, 2005, 109, 759-766. | 1.1 | 80 |
| 139 | The Origin of Stark Splitting in the Initial Photoproduct State of MbCO. Journal of the American Chemical Society, 2005, 127, 40-41. | 6.6 | 87 |
| 140 | Enzyme Function of the Globin Dehaloperoxidase fromAmphitrite ornatals Activated by Substrate Bindingâ€. Biochemistry, 2005, 44, 15637-15644. | 1.2 | 64 |
| 141 | Hairpin Folding Dynamics:â€‰ The Cold-Denatured State Is Predisposed for Rapid Refolding. Biochemistry, 2005, 44, 10406-10415. | 1.2 | 43 |
| 142 | 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. | 1.2 | 36 |
| 143 | Supramolecular Control of Valence-Tautomeric Equilibrium on Nanometer-Scale Gold Clusters. Journal of the American Chemical Society, 2005, 127, 5328-5329. | 6.6 | 30 |
| 144 | CO Vibration as a Probe of Ligand Dissociation and Transfer in Myoglobin. Physical Review Letters, 2004, 93, 018102. | 2.9 | 18 |

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| 145 | Efficiency and pattern of UV pulse laser-induced RNA-RNA cross-linking in the ribosome. Nucleic Acids Research, 2004, 32, 1518-1526. | 6.5 | 13 |
| 146 | Eigenvector mapping: a method for discerning solvent effects on vibrational spectra. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 357-370. | 2.0 | 4 |
| 147 | Regulating the fluorescence intensity of an anthracene boronic acid system: a Bâ€“N bond or a hydrolysis mechanism?. Bioorganic Chemistry, 2004, 32, 571-581. | 2.0 | 99 |
| 148 | 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. | 2.0 | 111 |
| 149 | Calculation of the electronic and optical properties of indium tin oxide by density functional theory. Chemical Physics, 2004, 300, 285-293. | 0.9 | 114 |
| 150 | Covalent Attachment of a Nickel Nitrilotriacetic Acid Group to a Germanium Attenuated Total Reflectance Element. Langmuir, 2004, 20, 1184-1188. | 1.6 | 7 |
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