

# Vivian Stojanoff

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

1,736  
citations

394421

19  
h-index

289244

40  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2400  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Formation of Crystalline Silicaâ€“Carbonate Biomorphs of Alkaline Earth Metals (Ca, Ba, Sr) from Ambient to Low Temperatures: Chemical Implications during the Primitive Earthâ€™s Life. <i>Crystal Growth and Design</i> , 2020, 20, 1186-1195.             | 3.0 | 17        |
| 2  | Characterization of Potential Micrometeorites by Synchrotron Analysis. <i>Geosciences (Switzerland)</i> , 2020, 10, 275.   | 2.2 | 4         |
| 3  | Crystal Growth in Gels from the Mechanisms of Crystal Growth to Control of Polymorphism: New Trends on Theoretical and Experimental Aspects. <i>Crystals</i> , 2019, 9, 443.   | 2.2 | 15        |
| 4  | The structure of (E)-biformene synthase provides insights into the biosynthesis of bacterial bicyclic labdane-related diterpenoids. <i>Journal of Structural Biology</i> , 2019, 207, 29-39.   | 2.8 | 7         |
| 5  | X-ray driven reduction of Cpd I of Catalase-3 from <i>N. crassa</i> reveals differential sensitivity of active sites and formation of ferrous state. <i>Archives of Biochemistry and Biophysics</i> , 2019, 666, 107-115.                                    | 3.0 | 6         |
| 6  | Artificial covalent linkage of bacterial acyl carrier proteins for fatty acid production. <i>Scientific Reports</i> , 2019, 9, 16011.  | 3.3 | 2         |
| 7  | Exploring the SPARK of science with a new light. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, a413-a413.  | 0.1 | 0         |
| 8  | Insights into ligand binding to a glutathione S-transferase from mango: Structure, thermodynamics and kinetics. <i>Biochimie</i> , 2017, 135, 35-45.   | 2.6 | 20        |
| 9  | Recent Advances in the Understanding of the Influence of Electric and Magnetic Fields on Protein Crystal Growth. <i>Crystal Growth and Design</i> , 2017, 17, 135-145.   | 3.0 | 37        |
| 10 | Self-Assembly of 3D DNA Crystals Containing a Torsionally Stressed Component. <i>Cell Chemical Biology</i> , 2017, 24, 1401-1406.e2.   | 5.2 | 20        |
| 11 | Crystallization under an External Electric Field: A Case Study of Glucose Isomerase. <i>Crystals</i> , 2017, 7, 206.   | 2.2 | 21        |
| 12 | Biochemical and structural characterization of a novel arginine kinase from the spider <i>Polybetes pythagoricus</i> . <i>PeerJ</i> , 2017, 5, e3787.  | 2.0 | 11        |
| 13 | Editorial (Thematic Issue: Synchrotron Applications in Life Sciences). <i>Protein and Peptide Letters</i> , 2016, 23, 200-200.   | 0.9 | 0         |
| 14 | Computing infrastructure, software optimization, and real time analysis for high data-rate MX. , 2016, , ,   |     | 0         |
| 15 | Modulation of Gel Phase Model Membranes by Vitamin D-Related Proteins. <i>Biophysical Journal</i> , 2016, 110, 420a.   | 0.5 | 0         |
| 16 | Crystallization and X-ray diffraction analysis of a putative bacterial class I labdane-related diterpene synthase. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 1194-1199.   | 0.8 | 4         |
| 17 | Small-Molecule Modulators of Methyl-Lysine Binding for the CBX7 Chromodomain. <i>Chemistry and Biology</i> , 2015, 22, 161-168.  | 6.0 | 102       |
| 18 | X-ray-induced catalytic active-site reduction of a multicopper oxidase: structural insights into the proton-relay mechanism and O <sub>2</sub> -reduction states. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 2396-2411. | 2.5 | 30        |

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|----|--|-----|-----------|
| 19 | SdsA polymorph isolation and improvement of their crystal quality using nonconventional crystallization techniques. <i>Journal of Applied Crystallography</i> , 2015, 48, 1551-1559.   | 4.5 | 5         |
| 20 | Structure of nucleoside diphosphate kinase from pacific shrimp ( <i>Litopenaeus vannamei</i> ) in binary complexes with purine and pyrimidine nucleoside diphosphates. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1150-1154. | 0.8 | 5         |
| 21 | Insights into molecular chemistry of Chiapas amber using infrared-light microscopy, PIXE/RBS, and sulfur K-edge XANES spectroscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 97-109.  | 2.3 | 17        |
| 22 | Crystal Structure of the Shrimp Proliferating Cell Nuclear Antigen: Structural Complementarity with WSSV DNA Polymerase PIP-Box. <i>PLoS ONE</i> , 2014, 9, e94369.  | 2.5 | 11        |
| 23 | Investigations on the Use of Graphite Electrodes Using a Hull-Type Growth Cell for Electrochemically Assisted Protein Crystallization. <i>Crystal Growth and Design</i> , 2013, 13, 590-598.   | 3.0 | 9         |
| 24 | An electrically assisted device for protein crystallization in a vapor-diffusion setup. <i>Journal of Applied Crystallography</i> , 2013, 46, 832-834.   | 4.5 | 18        |
| 25 | Structure of the complex between teicoplanin and a bacterial cell-wall peptide: use of a carrier-protein approach. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 520-533.  | 2.5 | 18        |
| 26 | Conformational stability and crystal packing: polymorphism in <i>Neurospora crassa</i> CAT-3. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 753-758.  | 0.7 | 3         |
| 27 | Synchrotron Radiation in Life Sciences. <i>Protein and Peptide Letters</i> , 2012, 19, 761-769.  | 0.9 | 4         |
| 28 | Novel Protein Crystal Growth Electrochemical Cell For Applications In X-ray Diffraction and Atomic Force Microscopy. <i>Crystal Growth and Design</i> , 2011, 11, 3917-3922.   | 3.0 | 20        |
| 29 | From screen to structure with a harvestable microfluidic device. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 971-975.   | 0.7 | 19        |
| 30 | Thermostable multicopper oxidase from <i>Thermus thermophilus</i> HB27: crystallization and preliminary X-ray diffraction analysis of apo and holo forms. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 1595-1598.              | 0.7 | 18        |
| 31 | Perspectives on protein crystallisation. <i>Progress in Biophysics and Molecular Biology</i> , 2009, 101, 56-63.   | 2.9 | 13        |
| 32 | Growth and Characterization of High-Quality Protein Crystals for X-ray Crystallography. <i>Annals of the New York Academy of Sciences</i> , 2009, 1161, 429-436.   | 3.8 | 7         |
| 33 | Tartrate Chirality Determines Thaumatin Crystal Habit. <i>Crystal Growth and Design</i> , 2009, 9, 4189-4198.  | 3.0 | 26        |
| 34 | Protein crystallography: counter-diffusion crystallization method and its potential for room-temperature data collection. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2009, 65, s119-s119.   | 0.3 | 0         |
| 35 | High resolution X-ray crystallographic structure of bovine heart cytochrome <i>c</i> and its application to the design of an electron transfer biosensor. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 70, 83-92.                                     | 2.6 | 93        |
| 36 | Picometer-Scale Conformational Heterogeneity Separates Functional from Nonfunctional States of a Photoreceptor Protein. <i>Structure</i> , 2008, 16, 863-872.  | 3.3 | 23        |

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|----|--|------|-----------|
| 37 | Chemical Recognition of Carbonate Anions by Proteins Involved in Biomineralization Processes and Their Influence on Calcite Crystal Growth. <i>Crystal Growth and Design</i> , 2008, 8, 1340-1345.   | 3.0  | 24        |
| 38 | Electrochemically Assisted Protein Crystallization of Commercial Cytochrome <i>c</i> without Previous Purification. <i>Crystal Growth and Design</i> , 2008, 8, 2493-2496.   | 3.0  | 22        |
| 39 | The catalytic pocket of the ring-hydroxylating dioxygenase from <i>Sphingomonas</i> CHY-1. <i>Biochemical and Biophysical Research Communications</i> , 2007, 352, 861-866.  | 2.1  | 48        |
| 40 | An integrated web environment for fast access and easy management of a synchrotron beam line. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 582, 199-201. | 1.6  | 0         |
| 41 | Are you centered? An automatic crystal-centering method for high-throughput macromolecular crystallography. <i>Journal of Synchrotron Radiation</i> , 2007, 14, 355-360.   | 2.4  | 14        |
| 42 | Purification, crystallization and preliminary X-ray analysis of struthiocalcin 1 from ostrich ( <i>Struthio camelus</i> ) eggshell. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 987-989.                        | 0.7  | 10        |
| 43 | The crystal structure of the ring-hydroxylating dioxygenase from <i>Sphingomonas</i> CHY-1. <i>FEBS Journal</i> , 2007, 274, 2470-2481.  | 4.7  | 46        |
| 44 | Characterization of a Naphthalene Dioxygenase Endowed with an Exceptionally Broad Substrate Specificity toward Polycyclic Aromatic Hydrocarbons. <i>Biochemistry</i> , 2006, 45, 12380-12391.  | 2.5  | 71        |
| 45 | Anomalous diffraction at ultra-high energy for protein crystallography. <i>Journal of Applied Crystallography</i> , 2006, 39, 831-841.   | 4.5  | 30        |
| 46 | Ancient evolutionary origin of diversified variable regions demonstrated by crystal structures of an immune-type receptor in amphioxus. <i>Nature Immunology</i> , 2006, 7, 875-882.   | 14.5 | 59        |
| 47 | Structure of a [2Fe-2S] ferredoxin from <i>Rhodobacter capsulatus</i> likely involved in Fe-S cluster biogenesis and conformational changes observed upon reduction. <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 235-246.                 | 2.6  | 24        |
| 48 | The effects of flash-annealing on glycerol kinase crystals. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2005, 61, 982-989.   | 2.5  | 6         |
| 49 | Crystal Structures of <i>Geobacillus stearothermophilus</i> $\beta$ -Glucuronidase Complexed with Its Substrate and Products. <i>Journal of Biological Chemistry</i> , 2004, 279, 3014-3024.   | 3.4  | 62        |
| 50 | A Novel Approach to High-Throughput Screening. <i>Structure</i> , 2004, 12, 1127-1128.   | 3.3  | 2         |
| 51 | High Resolution Imaging as a Characterization Tool for Biological Crystals. <i>Annals of the New York Academy of Sciences</i> , 2004, 1027, 48-55.   | 3.8  | 1         |
| 52 | Structure of the S pilus periplasmic chaperone SfaE at 2.2 Å resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 1016-1022.  | 2.5  | 32        |
| 53 | Formation of a Tyrosyl Radical Intermediate in <i>Proteus mirabilis</i> Catalase by Directed Mutagenesis and Consequences for Nucleotide Reactivity. <i>Biochemistry</i> , 2001, 40, 13734-13743.  | 2.5  | 21        |
| 54 | Liquid nitrogen cryospray for biological applications. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 2047-2048.  | 2.7  | 1         |

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|----|---|------|-----------|
| 55 | X-ray Structure of the FimC-FimH Chaperone-Adhesin Complex from Uropathogenic <i>Escherichia coli</i> . <i>Science</i> , 1999, 285, 1061-1066.  | 12.6 | 582       |
| 56 | Protein crystal movements and fluid flows during microgravity growth. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1998, 356, 1045-1061.  | 3.4  | 17        |
| 57 | Expression, purification and characterization of recombinant crambin. <i>Protein Engineering, Design and Selection</i> , 1996, 9, 1233-1239.  | 2.1  | 14        |
| 58 | Crystallization and preliminary X-ray investigation of lipoxygenase from soybeans. <i>Protein Science</i> , 1995, 4, 1233-1235.   | 7.6  | 2         |
| 59 | Diamond crystal X-ray optics for high-power-density synchrotron radiation beams. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1993, 329, 555-563. | 1.6  | 41        |