

Vivian Stojanoff

List of Publications by Year in descending order

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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	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
2	Small-Molecule Modulators of Methyl-Lysine Binding for the CBX7 Chromodomain. <i>Chemistry and Biology</i> , 2015, 22, 161-168.	6.0	102
3	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
4	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
5	Crystal Structures of <i>Geobacillus stearothermophilus</i> Î±-Glucuronidase Complexed with Its Substrate and Products. <i>Journal of Biological Chemistry</i> , 2004, 279, 3014-3024.	3.4	62
6	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
7	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
8	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
9	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
10	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
11	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
12	Anomalous diffraction at ultra-high energy for protein crystallography. <i>Journal of Applied Crystallography</i> , 2006, 39, 831-841.	4.5	30
13	X-ray-induced catalytic active-site reduction of a multicopper oxidase: structural insights into the proton-relay mechanism and O ₂ -reduction states. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 2396-2411.	2.5	30
14	Tartrate Chirality Determines Thaumatin Crystal Habit. <i>Crystal Growth and Design</i> , 2009, 9, 4189-4198.	3.0	26
15	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
16	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
17	Picometer-Scale Conformational Heterogeneity Separates Functional from Nonfunctional States of a Photoreceptor Protein. <i>Structure</i> , 2008, 16, 863-872.	3.3	23
18	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

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19	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
20	Crystallization under an External Electric Field: A Case Study of Glucose Isomerase. <i>Crystals</i> , 2017, 7, 206.	2.2	21
21	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
22	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
23	Self-Assembly of 3D DNA Crystals Containing a Torsionally Stressed Component. <i>Cell Chemical Biology</i> , 2017, 24, 1401-1406.e2.	5.2	20
24	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
25	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
26	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
27	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
28	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
29	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
30	Formation of Crystalline Silica—Carbonate Biomorphs of Alkaline Earth Metals (Ca, Ba, Sr) from Ambient to Low Temperatures: Chemical Implications during the Primitive Earth's Life. <i>Crystal Growth and Design</i> , 2020, 20, 1186-1195.	3.0	17
31	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
32	Expression, purification and characterization of recombinant crambin. <i>Protein Engineering, Design and Selection</i> , 1996, 9, 1233-1239.	2.1	14
33	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
34	Perspectives on protein crystallisation. <i>Progress in Biophysics and Molecular Biology</i> , 2009, 101, 56-63.	2.9	13
35	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
36	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

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37	Purification, crystallization and preliminary X-ray analysis of struthiocalcin 1 from ostrich (<i>Struthio camelus</i>) eggshell. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 987-989.	0.7	10
38	Investigations on the Use of Graphite Electrodes Using a Hull-Type Growth Cell for Electrochemically Assisted Protein Crystallization. Crystal Growth and Design, 2013, 13, 590-598.	3.0	9
39	Growth and Characterization of High-Quality Protein Crystals for X-ray Crystallography. Annals of the New York Academy of Sciences, 2009, 1161, 429-436.	3.8	7
40	The structure of (E)-biformene synthase provides insights into the biosynthesis of bacterial bicyclic labdane-related diterpenoids. Journal of Structural Biology, 2019, 207, 29-39.	2.8	7
41	The effects of flash-annealing on glycerol kinase crystals. Acta Crystallographica Section D: Biological Crystallography, 2005, 61, 982-989.	2.5	6
42	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. Archives of Biochemistry and Biophysics, 2019, 666, 107-115.	3.0	6
43	Structure of nucleoside diphosphate kinase from pacific shrimp (<i>Litopenaeus vannamei</i>) in binary complexes with purine and pyrimidine nucleoside diphosphates. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1150-1154.	0.8	5
44	SdsA polymorph isolation and improvement of their crystal quality using nonconventional crystallization techniques. Journal of Applied Crystallography, 2015, 48, 1551-1559.	4.5	5
45	Synchrotron Radiation in Life Sciences. Protein and Peptide Letters, 2012, 19, 761-769.	0.9	4
46	Crystallization and X-ray diffraction analysis of a putative bacterial class I labdane-related diterpene synthase. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 1194-1199.	0.8	4
47	Characterization of Potential Micrometeorites by Synchrotron Analysis. Geosciences (Switzerland), 2020, 10, 275.	2.2	4
48	Conformational stability and crystal packing: polymorphism in <i>Neurospora crassa</i> CAT-3. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 753-758.	0.7	3
49	Crystallization and preliminary X-ray investigation of lipoxygenase-3 from soybeans. Protein Science, 1995, 4, 1233-1235.	7.6	2
50	A Novel Approach to High-Throughput Screening. Structure, 2004, 12, 1127-1128.	3.3	2
51	Artificial covalent linkage of bacterial acyl carrier proteins for fatty acid production. Scientific Reports, 2019, 9, 16011.	3.3	2
52	Liquid nitrogen cryospray for biological applications. Physica B: Condensed Matter, 2000, 284-288, 2047-2048.	2.7	1
53	High Resolution Imaging as a Characterization Tool for Biological Crystals. Annals of the New York Academy of Sciences, 2004, 1027, 48-55.	3.8	1
54	An integrated web environment for fast access and easy management of a synchrotron beam line. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 582, 199-201.	1.6	0

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55	Editorial (Thematic Issue: Synchrotron Applications in Life Sciences). Protein and Peptide Letters, 2016, 23, 200-200.	0.9	0
56	Computing infrastructure, software optimization, and real time analysis for high data-rate MX. , 2016, , .		0
57	Modulation of Gel Phase Model Membranes by Vitamin D-Related Proteins. Biophysical Journal, 2016, 110, 420a.	0.5	0
58	Protein crystallography: counter-diffusion crystallization method and its potential for room-temperature data collection. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s119-s119.	0.3	0
59	Exploring the SPARK of science with a new light. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, a413-a413.	0.1	0