

Pawel Grochulski

List of Publications by Year in descending order

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34
papers

2,284
citations

471371

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414303

32
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34
all docs

34
docs citations

34
times ranked

2151
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacillus thuringiensis CryIA(a) Insecticidal Toxin: Crystal Structure and Channel Formation. Journal of Molecular Biology, 1995, 254, 447-464.	2.0	516
2	Two conformational states of <i>Candida rugosa</i> lipase. Protein Science, 1994, 3, 82-91.	3.1	346
3	A Structural Basis for the Chiral Preferences of Lipases. Journal of the American Chemical Society, 1994, 116, 3180-3186.	6.6	328
4	Analogs of Reaction Intermediates Identify a Unique Substrate Binding Site in <i>Candida rugosa</i> Lipase. Biochemistry, 1994, 33, 3494-3500.	1.2	262
5	Structural Insights into Mechanisms of Catalysis and Inhibition in Norwalk Virus Polymerase. Journal of Biological Chemistry, 2008, 283, 7705-7712.	1.6	138
6	Restriction of intramolecular movements within the Cry1Aa toxin molecule of <i>Bacillus thuringiensis</i> through disulfide bond engineering. FEBS Letters, 1997, 410, 397-402.	1.3	110
7	Enantioselectivity of <i>Candida rugosa</i> Lipase Toward Carboxylic Acids: A Predictive Rule from Substrate Mapping and X-Ray Crystallography. Biocatalysis, 1994, 9, 209-225.	0.9	77
8	Beamline 08ID-1, the prime beamline of the Canadian Macromolecular Crystallography Facility. Journal of Synchrotron Radiation, 2011, 18, 681-684.	1.0	74
9	Metalloprotein active site structure determination: Synergy between X-ray absorption spectroscopy and X-ray crystallography. Journal of Inorganic Biochemistry, 2012, 115, 127-137.	1.5	74
10	Binding of 2'-Amino-2-Deoxycytidine-5'-Triphosphate to Norovirus Polymerase Induces Rearrangement of the Active Site. Journal of Molecular Biology, 2009, 390, 10-16.	2.0	54
11	08B1-1: an automated beamline for macromolecular crystallography experiments at the Canadian Light Source. Journal of Synchrotron Radiation, 2014, 21, 633-637.	1.0	48
12	Calcium Stiffens Archaeal Rad51 Recombinase from <i>Methanococcus voltae</i> for Homologous Recombination. Journal of Biological Chemistry, 2006, 281, 39380-39387.	1.6	25
13	<i>MxDC</i> and <i>MxLIVE</i> : software for data acquisition, information management and remote access to macromolecular crystallography beamlines. Journal of Synchrotron Radiation, 2012, 19, 274-280.	1.0	24
14	Molecular Basis of Chiral Acid Recognition by <i>Candida rugosa</i> Lipase: X-Ray Structure of Transition State Analog and Modeling of the Hydrolysis of Methyl 2-Methoxy-2-phenylacetate. Advanced Synthesis and Catalysis, 2011, 353, 2529-2544.	2.1	23
15	Di-Peptide-Modified Gemini Surfactants as Gene Delivery Vectors: Exploring the Role of the Alkyl Tail in Their Physicochemical Behavior and Biological Activity. AAPS Journal, 2016, 18, 1168-1181.	2.2	22
16	Structural determinants defining common stereoselectivity of lipases toward secondary alcohols. Canadian Journal of Microbiology, 1995, 41, 289-296.	0.8	20
17	A ¹ H NMR Study of Host/Guest Supramolecular Complexes of a Curcumin Analogue with β -Cyclodextrin and a β -Cyclodextrin-Conjugated Gemini Surfactant. Molecular Pharmaceutics, 2015, 12, 2993-3006.	2.3	20
18	Crystallization and Preliminary X-ray Diffraction Studies of the Lepidopteran-specific Insecticidal Crystal Protein CryIA(a). Journal of Molecular Biology, 1994, 243, 530-532.	2.0	13

#	ARTICLE	IF	CITATIONS
19	Canadian macromolecular crystallography facility: a suite of fully automated beamlines. <i>Journal of Structural and Functional Genomics</i> , 2012, 13, 49-55.	1.2	13
20	Assembly of the Type Two Secretion System in <i>Aeromonas hydrophila</i> Involves Direct Interaction between the Periplasmic Domains of the Assembly Factor ExeB and the Secretin ExeD. <i>PLoS ONE</i> , 2014, 9, e102038.	1.1	13
21	Cyclinopeptide K butanol disolvate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o2360-o2361.	0.2	10
22	Structure of a periplasmic domain of the EpsAB fusion protein of the <i>Vibrio vulnificus</i> type II secretion system. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 142-149.	2.5	10
23	Structure of a backtracked state reveals conformational changes similar to the state following nucleotide incorporation in human norovirus polymerase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 3099-3109.	2.5	9
24	Molecular Engineering as an Approach To Modulate Gene Delivery Efficiency of Peptide-Modified Gemini Surfactants. <i>Bioconjugate Chemistry</i> , 2018, 29, 3293-3308.	1.8	9
25	Cyclinopeptide B methanol trisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o50-o51.	0.2	8
26	Characterization of the host–guest complex of a curcumin analog with β-cyclodextrin and β-cyclodextrin–gemini surfactant and evaluation of its anticancer activity. <i>International Journal of Nanomedicine</i> , 2015, 10, 503.	3.3	8
27	Crystallographic structure of recombinant <i>Lactococcus lactis</i> prolidase to support proposed structure-function relationships. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 473-480.	1.1	8
28	Synchrotron X-Ray Diffraction to Detect Glass or Ice Formation in the Vitrified Bovine Cumulus-Oocyte Complexes and Morulae. <i>PLoS ONE</i> , 2014, 9, e114801.	1.1	8
29	Review of Canadian Light Source facilities for biological applications. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 411, 17-21.	0.6	7
30	X-ray absorption spectroscopy at a protein crystallography facility: the Canadian Light Source beamline 08B1-1. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 887-891.	1.0	3
31	Substrate Binding Site and the Role of the FLAP Loop in <i>Candida rugosa</i> Lipase, A Close Relative of Acetylcholinesterase. , 1995, , 71-76.		2
32	Measured performance of hybrid small-gap in-vacuum undulator 08ID-1 at the CLS intermediate energy storage ring. <i>Journal of Physics: Conference Series</i> , 2013, 425, 032016.	0.3	1
33	Macromolecular crystallography beamlines at the Canadian Light Source: building on success. <i>Acta Crystallographica Section D: Structural Biology</i> , 2020, 76, 630-635.	1.1	1
34	Canadian Macromolecular Crystallography Facility (CMCF) 08ID-1 status update. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 582, 82-83.	0.7	0