

Babak Andi

List of Publications by Year in descending order

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32
papers

1,035
citations

687363

13
h-index

526287

27
g-index

35
all docs

35
docs citations

35
times ranked

1688
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of photosystem II and substrate binding at room temperature. <i>Nature</i> , 2016, 540, 453-457.	27.8	323
2	Drop-on-demand sample delivery for studying biocatalysts in action at X-ray free-electron lasers. <i>Nature Methods</i> , 2017, 14, 443-449.	19.0	150
3	The Î±-Aminoadipate Pathway for Lysine Biosynthesis in Fungi. <i>Cell Biochemistry and Biophysics</i> , 2006, 46, 43-64.	1.8	135
4	Acoustic Injectors for Drop-On-Demand Serial Femtosecond Crystallography. <i>Structure</i> , 2016, 24, 631-640.	3.3	88
5	Effects of Osmolytes on the SLN1-YPD1-SSK1 Phosphorelay System from <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 2009, 48, 8044-8050.	2.5	27
6	Stabilization and characterization of histidine-tagged homocitrate synthase from <i>Saccharomyces cerevisiae</i> . <i>Archives of Biochemistry and Biophysics</i> , 2004, 421, 243-254.	3.0	24
7	Regulatory Mechanism of Histidine-tagged Homocitrate Synthase from <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 31624-31632.	3.4	24
8	FMX – the Frontier Microfocusing Macromolecular Crystallography Beamline at the National Synchrotron Light Source II. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 650-665.	2.4	24
9	Examination of intrinsic sulfonamide resistance in <i>Bacillus anthracis</i> : A novel assay for dihydropteroate synthase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 848-853.	2.4	22
10	Crystal Structures of Ligand-Bound Saccharopine Dehydrogenase from <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 2007, 46, 12512-12521.	2.5	21
11	Hepatitis C virus NS3/4A inhibitors and other drug-like compounds as covalent binders of SARS-CoV-2 main protease. <i>Scientific Reports</i> , 2022, 12, .	3.3	20
12	Kinetic Mechanism of Histidine-Tagged Homocitrate Synthase from <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 2004, 43, 11790-11795.	2.5	19
13	Crystallographic and spectroscopic snapshots reveal a dehydrogenase in action. <i>Nature Communications</i> , 2015, 6, 5935.	12.8	18
14	Synchrotron microcrystal native-SAD phasing at a low energy. <i>IUCr</i> , 2019, 6, 532-542.	2.2	14
15	³¹ P NMR spectroscopy senses the microenvironment of the 5'-phosphate group of enzyme-bound pyridoxal 5'-phosphate. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1447-1458.	2.3	13
16	The structure of the giant haemoglobin from <i>Glossoscolex paulistus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 1257-1271.	2.5	12
17	Evidence in Support of Lysine 77 and Histidine 96 as Acid-Base Catalytic Residues in Saccharopine Dehydrogenase from <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 2012, 51, 857-866.	2.5	11
18	Nucleation of Sub-Micrometer Protein Crystals in Square-Shaped Macroporous Silicon Structures. <i>Crystal Growth and Design</i> , 2015, 15, 2801-2808.	3.0	11

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19	AlphaFold Protein Structure Database for Sequence-Independent Molecular Replacement. <i>Crystals</i> , 2021, 11, 1227.	2.2	9
20	Regulatory Mechanism of Histidine-tagged Homocitrate Synthase from <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 31633-31640.	3.4	8
21	Crystal Structure of the His-Tagged Saccharopine Reductase From <i>Saccharomyces cerevisiae</i> at 1.7-Å... Resolution. <i>Cell Biochemistry and Biophysics</i> , 2006, 46, 17-26.	1.8	8
22	Kinetic Studies of the Yeast His-Asp Phosphorelay Signaling Pathway. <i>Methods in Enzymology</i> , 2010, 471, 59-75.	1.0	8
23	Glutamates 78 and 122 in the Active Site of Saccharopine Dehydrogenase Contribute to Reactant Binding and Modulate the Basicity of the Acid-Base Catalysts. <i>Journal of Biological Chemistry</i> , 2010, 285, 20756-20768.	3.4	7
24	Structure of the dihydrolipoamide succinyltransferase catalytic domain from <i>Escherichia coli</i> in a novel crystal form: a tale of a common protein crystallization contaminant. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2019, 75, 616-624.	0.8	6
25	Proper Orientation of the Nicotinamide Ring of NADP Is Important for the Precatalytic Conformational Change in the 6-Phosphogluconate Dehydrogenase Reaction. <i>Biochemistry</i> , 2008, 47, 1862-1870.	2.5	5
26	Serial crystallography with multi-stage merging of thousands of images. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2022, 78, 281-288.	0.8	4
27	Maintaining Microclimates during Nanoliter Chemical Dispensations Using Custom-Designed Source Plate Lids. <i>Journal of the Association for Laboratory Automation</i> , 2016, 21, 115-124.	2.8	3
28	Advanced data collection on FMX – the Frontier Microfocusing Macromolecular Crystallography Beamline at the National Synchrotron Light Source II. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2021, 77, a199-a199.	0.1	0
29	Synchrotron biosciences at National Synchrotron Light Source II: a biomedical technology research resource. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, a251-a251.	0.1	0
30	On-demand acoustic methods for time-resolved structural biology. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C587-C587.	0.1	0
31	Data analysis for synchrotron microcrystal native-SAD phasing. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, a230-a230.	0.1	0
32	Ultra-fast raster-scanning synchrotron serial micro-crystallography. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e23-e23.	0.1	0