

Nozomi Ando

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,470
citations

331670

21
h-index

414414

32
g-index

38
all docs

38
docs citations

38
times ranked

1900
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchrotron-based small-angle X-ray scattering of proteins in solution. <i>Nature Protocols</i> , 2014, 9, 1727-1739.	12.0	156
2	Domain Movements upon Activation of Phenylalanine Hydroxylase Characterized by Crystallography and Chromatography-Coupled Small-Angle X-ray Scattering. <i>Journal of the American Chemical Society</i> , 2016, 138, 6506-6516.	13.7	100
3	Structural interconversions modulate activity of <i>Escherichia coli</i> ribonucleotide reductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 21046-21051.	7.1	87
4	X-ray Scattering Studies of Protein Structural Dynamics. <i>Chemical Reviews</i> , 2017, 117, 7615-7672.	47.7	83
5	Structures of the peptide-modifying radical SAM enzyme SuiB elucidate the basis of substrate recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10420-10425.	7.1	83
6	Multiple point adsorption in a heteropolymer gel and the Tanaka approach to imprinting: experiment and theory. <i>Progress in Polymer Science</i> , 2003, 28, 1489-1515.	24.7	78
7	X-rays in the Cryo-Electron Microscopy Era: Structural Biology's Dynamic Future. <i>Biochemistry</i> , 2018, 57, 277-285.	2.5	78
8	Visualizing molecular juggling within a B12-dependent methyltransferase complex. <i>Nature</i> , 2012, 484, 265-269.	27.8	77
9	Alteration of citrine structure by hydrostatic pressure explains the accompanying spectral shift. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13362-13366.	7.1	73
10	Tangled Up in Knots: Structures of Inactivated Forms of <i>E. coli</i> Class Ia Ribonucleotide Reductase. <i>Structure</i> , 2012, 20, 1374-1383.	3.3	60
11	Structural and Thermodynamic Characterization of T4 Lysozyme Mutants and the Contribution of Internal Cavities to Pressure Denaturation. <i>Biochemistry</i> , 2008, 47, 11097-11109.	2.5	55
12	Origin of High Stereocontrol in Olefin Cyclopropanation Catalyzed by an Engineered Carbene Transferase. <i>ACS Catalysis</i> , 2019, 9, 1514-1524.	11.2	52
13	High hydrostatic pressure small-angle X-ray scattering cell for protein solution studies featuring diamond windows and disposable sample cells. <i>Journal of Applied Crystallography</i> , 2008, 41, 167-175.	4.5	49
14	Allosteric Inhibition of Human Ribonucleotide Reductase by dATP Entails the Stabilization of a Hexamer. <i>Biochemistry</i> , 2016, 55, 373-381.	2.5	45
15	Generation of a stable, aminotyrosyl radical-induced $\text{E}^{\pm 2}$ complex of <i>Escherichia coli</i> class Ia ribonucleotide reductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3835-3840.	7.1	44
16	Diffuse X-ray scattering from correlated motions in a protein crystal. <i>Nature Communications</i> , 2020, 11, 1271.	12.8	37
17	Counterion Effect on the Rheology and Morphology of Tailored Poly(dimethylsiloxane) Ionomers. <i>Macromolecules</i> , 2006, 39, 1630-1638.	4.8	36
18	Coupling of Pressure-Induced Structural Shifts to Spectral Changes in a Yellow Fluorescent Protein. <i>Biophysical Journal</i> , 2009, 97, 1719-1727.	0.5	32

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19	Solution-Based Structural Analysis of the Decaheme Cytochrome, MtrA, by Small-Angle X-ray Scattering and Analytical Ultracentrifugation. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11208-11214.	2.6	32
20	The Molecular Basis for Life in Extreme Environments. <i>Annual Review of Biophysics</i> , 2021, 50, 343-372.	10.0	31
21	Convergent allostery in ribonucleotide reductase. <i>Nature Communications</i> , 2019, 10, 2653.	12.8	27
22	<i>REGALS</i>: a general method to deconvolve X-ray scattering data from evolving mixtures. <i>IUCr</i> , 2021, 8, 225-237.	2.2	23
23	Transient B ₁₂ -Dependent Methyltransferase Complexes Revealed by Small-Angle X-ray Scattering. <i>Journal of the American Chemical Society</i> , 2012, 134, 17945-17954.	13.7	18
24	An endogenous dAMP ligand in <i>Bacillus subtilis</i> class Ib RNR promotes assembly of a noncanonical dimer for regulation by dATP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4594-E4603.	7.1	18
25	Correlated Motions in Structural Biology. <i>Biochemistry</i> , 2021, 60, 2331-2340.	2.5	18
26	Mind the gap: diversity and reactivity relationships among multihaem cytochromes of the MtrA/DmsE family. <i>Biochemical Society Transactions</i> , 2012, 40, 1268-1273.	3.4	15
27	Full-length model of the human galectin-4 and insights into dynamics of inter-domain communication. <i>Scientific Reports</i> , 2016, 6, 33633.	3.3	15
28	The prototypic class Ia ribonucleotide reductase from <i>Escherichia coli</i>: still surprising after all these years. <i>Biochemical Society Transactions</i> , 2012, 40, 523-530.	3.4	13
29	Correlated Motions from Crystallography beyond Diffraction. <i>Accounts of Chemical Research</i> , 2017, 50, 580-583.	15.6	11
30	Tuning Enzyme Thermostability via Computationally Guided Covalent Stapling and Structural Basis of Enhanced Stabilization. <i>Biochemistry</i> , 2022, 61, 1041-1054.	2.5	10
31	The phenylketonuria-associated substitution R68S converts phenylalanine hydroxylase to a constitutively active enzyme but reduces its stability. <i>Journal of Biological Chemistry</i> , 2019, 294, 4359-4367.	3.4	8
32	The flexible N-terminus of BchL autoinhibits activity through interaction with its [4Fe-4S] cluster and released upon ATP binding. <i>Journal of Biological Chemistry</i> , 2021, 296, 100107.	3.4	4
33	Mind the gap: long range charge transfer across the periplasm of <i>Shewanella oneidensis</i> . <i>FASEB Journal</i> , 2013, 27, 787.1.	0.5	0
34	Crystallographic snapshots of metalloenzyme complexes involved in biological carbon dioxide sequestration. <i>FASEB Journal</i> , 2013, 27, 98.3.	0.5	0