

# Hideo Ago

## List of Publications by Year in descending order

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43  
papers

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citations

236925

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times ranked

4571  
citing authors

#	ARTICLE	IF	CITATIONS
1	An unprecedented insight into the catalytic mechanism of copper nitrite reductase from atomic-resolution and damage-free structures. <i>Science Advances</i> , 2021, 7, .	10.3	25
2	XFEL Crystal Structures of Peroxidase Compound II. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14578-14585.	13.8	18
3	XFEL Crystal Structures of Peroxidase Compound II. <i>Angewandte Chemie</i> , 2021, 133, 14699-14706.	2.0	0
4	Catalytically important damage-free structures of a copper nitrite reductase obtained by femtosecond X-ray laser and room-temperature neutron crystallography. <i>IUCrJ</i> , 2019, 6, 761-772.	2.2	24
5	An oxyl/oxo mechanism for oxygen-oxygen coupling in PSII revealed by an x-ray free-electron laser. <i>Science</i> , 2019, 366, 334-338.	12.6	248
6	A temperature-controlled cold-gas humidifier and its application to protein crystals with the humid-air and glue-coating method. <i>Journal of Applied Crystallography</i> , 2019, 52, 699-705.	4.5	9
7	An unprecedented dioxygen species revealed by serial femtosecond rotation crystallography in copper nitrite reductase. <i>IUCrJ</i> , 2018, 5, 22-31.	2.2	27
8	Development of a dose-limiting data collection strategy for serial synchrotron rotation crystallography. <i>Journal of Synchrotron Radiation</i> , 2017, 24, 29-41.	2.4	39
9	A nanosecond time-resolved XFEL analysis of structural changes associated with CO release from cytochrome c oxidase. <i>Science Advances</i> , 2017, 3, e1603042.	10.3	68
10	Capturing an initial intermediate during the P450 <sub>nor</sub> enzymatic reaction using time-resolved XFEL crystallography and caged-substrate. <i>Nature Communications</i> , 2017, 8, 1585.	12.8	74
11	Protein microcrystallography using synchrotron radiation. <i>IUCrJ</i> , 2017, 4, 529-539.	2.2	56
12	Experimental phase determination with selenomethionine or mercury-derivatization in serial femtosecond crystallography. <i>IUCrJ</i> , 2017, 4, 639-647.	2.2	24
13	A nearly on-axis spectroscopic system for simultaneously measuring UV-visible absorption and X-ray diffraction in the SPring-8 structural genomics beamline. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 334-338.	2.4	4
14	Radiation Damage-Free Structure of Photosystem II Determined by Femtosecond X-Ray Free Electron Laser Pulses. <i>Nihon Kessho Gakkaishi</i> , 2016, 58, 126-132.	0.0	1
15	Novel Features of Eukaryotic Photosystem II Revealed by Its Crystal Structure Analysis from a Red Alga. <i>Journal of Biological Chemistry</i> , 2016, 291, 5676-5687.	3.4	100
16	An isomorphous replacement method for efficient de novo phasing for serial femtosecond crystallography. <i>Scientific Reports</i> , 2015, 5, 14017.	3.3	54
17	Determination of Damage-free Crystal Structure of an X-ray Sensitive Protein Using XFEL. <i>Nihon Kessho Gakkaishi</i> , 2015, 57, 122-128.	0.0	158
18	Native structure of photosystem II at 1.95 Å resolution viewed by femtosecond X-ray pulses. <i>Nature</i> , 2015, 517, 99-103.	27.8	1,050

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19	Determination of damage-free crystal structure of an X-ray-sensitive protein using an XFEL. <i>Nature Methods</i> , 2014, 11, 734-736.	19.0	237
20	A leukotriene C4 synthase inhibitor with the backbone of 5-(5-methylene-4-oxo-4,5-dihydrothiazol-2-ylamino) isophthalic acid. <i>Journal of Biochemistry</i> , 2013, 153, 421-429.	1.7	13
21	Seleno-detergent MAD phasing of leukotriene C <sub>4</sub> synthase in complex with dodecyl- $\beta$ -D-selenomaltoside. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 1666-1673.	0.7	7
22	The Catalytic Architecture of Leukotriene C4 Synthase with Two Arginine Residues. <i>Journal of Biological Chemistry</i> , 2011, 286, 16392-16401.	3.4	29
23	Internally bridging water molecule in transmembrane $\alpha$ -helical kink. <i>Current Opinion in Structural Biology</i> , 2010, 20, 456-463.	5.7	17
24	Recent Advances in Biology of Cysteinylnyl Leukotriene. <i>Nihon Kessho Gakkaishi</i> , 2010, 52, 69-75.	0.0	1
25	Structural Basis of the Catalytic Mechanism Operating in Open-Closed Conformers of Lipocalin Type Prostaglandin D Synthase. <i>Journal of Biological Chemistry</i> , 2009, 284, 22344-22352.	3.4	38
26	Application of maximum-entropy maps in the accurate refinement of a putative acylphosphatase using 1.3-Å X-ray diffraction data. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2008, 64, 237-247.	2.5	9
27	Crystallization and preliminary diffraction studies of prostaglandin E <sub>2</sub> -specific monoclonal antibody Fab fragment in the ligand complex. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 1027-1030.	0.7	3
28	Crystal Structure of Squid Rhodopsin with Intracellularly Extended Cytoplasmic Region. <i>Journal of Biological Chemistry</i> , 2008, 283, 17753-17756.	3.4	122
29	Crystal structure of a human membrane protein involved in cysteinyl leukotriene biosynthesis. <i>Nature</i> , 2007, 448, 609-612.	27.8	140
30	Crystal Structure of Anti-Configuration of Indomethacin and Leukotriene B4 12-Hydroxydehydrogenase/15-Oxo-Prostaglandin 13-Reductase Complex Reveals the Structural Basis of Broad Spectrum Indomethacin Efficacy. <i>Journal of Biochemistry</i> , 2006, 140, 457-466.	1.7	21
31	Structural Basis of the Sphingomyelin Phosphodiesterase Activity in Neutral Sphingomyelinase from <i>Bacillus cereus</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 16157-16167.	3.4	82
32	Crystal Structure of a Novel FAD-, FMN-, and ATP-containing l-Proline Dehydrogenase Complex from <i>Pyrococcus horikoshii</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 31045-31049.	3.4	39
33	Structural Basis of the Substrate-specific Two-step Catalysis of Long Chain Fatty Acyl-CoA Synthetase Dimer. <i>Journal of Biological Chemistry</i> , 2004, 279, 31717-31726.	3.4	189
34	Structural Basis of Leukotriene B4 12-Hydroxydehydrogenase/15-Oxo-prostaglandin 13-Reductase Catalytic Mechanism and a Possible Src Homology 3 Domain Binding Loop. <i>Journal of Biological Chemistry</i> , 2004, 279, 22615-22623.	3.4	58
35	Helix 8 of the Leukotriene B4 Receptor Is Required for the Conformational Change to the Low Affinity State after G-protein Activation. <i>Journal of Biological Chemistry</i> , 2003, 278, 41500-41509.	3.4	52
36	Oxyanion Hole-stabilized Stereospecific Isomerization in Ribose-5-phosphate Isomerase (Rpi). <i>Journal of Biological Chemistry</i> , 2003, 278, 49183-49190.	3.4	26

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37	The First Crystal Structure of Archaeal Aldolase. <i>Journal of Biological Chemistry</i> , 2003, 278, 10799-10806.	3.4	42
38	Cloning, Expression, Crystallization, and Preliminary X-Ray Analysis of Recombinant Mouse Lipocalin-type Prostaglandin D Synthase, a Somnogen-Producing Enzyme. <i>Journal of Biochemistry</i> , 2003, 133, 29-32.	1.7	20
39	The essential role of C-terminal residues in regulating the activity of hepatitis C virus RNA-dependent RNA polymerase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2002, 1601, 38-48.	2.3	59
40	Crystal structure of the RNA-dependent RNA polymerase of hepatitis C virus. <i>Structure</i> , 1999, 7, 1417-1426.	3.3	381
41	Crystal structure of annexin V with its ligand K-201 as a calcium channel activity inhibitor. <i>Journal of Molecular Biology</i> , 1997, 274, 16-20.	4.2	60
42	Cloning and Crystal Structure of Hematopoietic Prostaglandin D Synthase. <i>Cell</i> , 1997, 90, 1085-1095.	28.9	244
43	A new sesquiterpene from <i>Nicotiana umbratica</i> Burbidge. <i>Tetrahedron</i> , 1997, 53, 11563-11568.	1.9	4