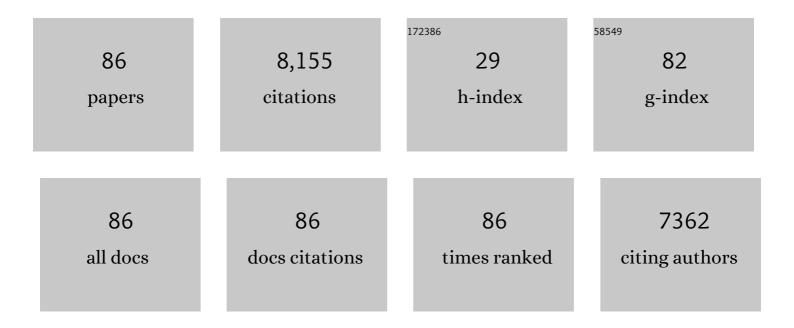
List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Crystal Structure of Rhodopsin: A G Protein-Coupled Receptor. Science, 2000, 289, 739-745.	6.0	5,486
2	Cloning and Crystal Structure of Hematopoietic Prostaglandin D Synthase. Cell, 1997, 90, 1085-1095.	13.5	244
3	Structural Basis of the Substrate-specific Two-step Catalysis of Long Chain Fatty Acyl-CoA Synthetase Dimer. Journal of Biological Chemistry, 2004, 279, 31717-31726.	1.6	189
4	Crystal structure of a human membrane protein involved in cysteinyl leukotriene biosynthesis. Nature, 2007, 448, 609-612.	13.7	140
5	Crystal Structure of Squid Rhodopsin with Intracellularly Extended Cytoplasmic Region. Journal of Biological Chemistry, 2008, 283, 17753-17756.	1.6	122
6	Novel Features of Eukaryotic Photosystem II Revealed by Its Crystal Structure Analysis from a Red Alga. Journal of Biological Chemistry, 2016, 291, 5676-5687.	1.6	100
7	Structural and Functional Characterization of HQL-79, an Orally Selective Inhibitor of Human Hematopoietic Prostaglandin D Synthase. Journal of Biological Chemistry, 2006, 281, 15277-15286.	1.6	91
8	Structural Basis of the Sphingomyelin Phosphodiesterase Activity in Neutral Sphingomyelinase from Bacillus cereus. Journal of Biological Chemistry, 2006, 281, 16157-16167.	1.6	82
9	Na+-mimicking ligands stabilize the inactive state of leukotriene B4 receptor BLT1. Nature Chemical Biology, 2018, 14, 262-269.	3.9	80
10	Mechanism of metal activation of human hematopoietic prostaglandin D synthase. Nature Structural and Molecular Biology, 2003, 10, 291-296.	3.6	64
11	cDNA Cloning, Expression, and Mutagenesis Study of Liver-type Prostaglandin F Synthase. Journal of Biological Chemistry, 1999, 274, 241-248.	1.6	61
12	Crystal structure of annexin V with its ligand K-201 as a calcium channel activity inhibitor. Journal of Molecular Biology, 1997, 274, 16-20.	2.0	60
13	Crystallographic Studies of a Calcium Binding Lysozyme from Equine Milk at 2.5 ÃResolution. Journal of Biochemistry, 1992, 111, 141-143.	0.9	58
14	Structural Basis of Leukotriene B4 12-Hydroxydehydrogenase/15-Oxo-prostaglandin 13-Reductase Catalytic Mechanism and a Possible Src Homology 3 Domain Binding Loop. Journal of Biological Chemistry, 2004, 279, 22615-22623.	1.6	58
15	Structural Basis of Hematopoietic Prostaglandin D Synthase Activity Elucidated by Site-directed Mutagenesis. Journal of Biological Chemistry, 2000, 275, 31239-31244.	1.6	57
16	Leukotriene B4 Receptor and the Function of Its Helix 8. Journal of Biological Chemistry, 2005, 280, 32049-32052.	1.6	55
17	A Novel Induced-fit Reaction Mechanism of Asymmetric Hot Dog Thioesterase Paal. Journal of Molecular Biology, 2005, 352, 212-228.	2.0	54
18	Isolation and analysis of a genomic clone encoding a pokeweed antiviral protein. Plant Molecular Biology, 1992, 20, 879-886.	2.0	52

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19	Helix 8 of the Leukotriene B4 Receptor Is Required for the Conformational Change to the Low Affinity State after G-protein Activation. Journal of Biological Chemistry, 2003, 278, 41500-41509.	1.6	52
20	Leukotriene A4hydrolase, a bifunctional enzyme Distinction of leukotriene A4hydrolase and aminopeptidase activities by site-directed mutagenesis at Glu-297. FEBS Letters, 1992, 309, 353-357.	1.3	46
21	The First Crystal Structure of Archaeal Aldolase. Journal of Biological Chemistry, 2003, 278, 10799-10806.	1.6	42
22	Crystal Structure of a Novel FAD-, FMN-, and ATP-containing l-Proline Dehydrogenase Complex from Pyrococcus horikoshii. Journal of Biological Chemistry, 2005, 280, 31045-31049.	1.6	39
23	Human 5-lipoxygenase associates with phosphatidylcholine liposomes and modulates LTA4 synthetase activity. Lipids and Lipid Metabolism, 1994, 1215, 300-306.	2.6	38
24	Identification of the Intracellular Region of the Leukotriene B4 Receptor Type 1 That Is Specifically Involved in Gi Activation. Journal of Biological Chemistry, 2007, 282, 3998-4006.	1.6	38
25	Structural Basis of the Catalytic Mechanism Operating in Open-Closed Conformers of Lipocalin Type Prostaglandin D Synthase. Journal of Biological Chemistry, 2009, 284, 22344-22352.	1.6	38
26	Structure of aldolase fromThermus thermophilusHB8 showing the contribution of oligomeric state to thermostability. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 1816-1823.	2.5	36
27	Mutagenesis studies on the amino acid residues involved in the iron-binding and the activity of human 5-lipoxygenase. Biochemical and Biophysical Research Communications, 1992, 182, 1482-1490.	1.0	34
28	Crystal Structure of Purine Nucleoside Phosphorylase from Thermus thermophilus. Journal of Molecular Biology, 2004, 337, 1149-1160.	2.0	33
29	Crystal Structure of Novel NADP-dependent 3-Hydroxyisobutyrate Dehydrogenase from Thermus thermophilus HB8. Journal of Molecular Biology, 2005, 352, 905-917.	2.0	32
30	The Catalytic Architecture of Leukotriene C4 Synthase with Two Arginine Residues. Journal of Biological Chemistry, 2011, 286, 16392-16401.	1.6	29
31	Structure and implications for the thermal stability of phosphopantetheine adenylyltransferase fromThermus thermophilus. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 97-104.	2.5	28
32	Helix 8 of leukotriene B4typeâ $\in 2$ receptor is required for the folding to pass the quality control in the endoplasmic reticulum. FASEB Journal, 2009, 23, 1470-1481.	0.2	28
33	Escherichia coli ribosome is inactivated by Mirabilis antiviral protein which cleaves the N-glycosidic bond at A2660 of 23 S ribosomal RNA. Journal of Molecular Biology, 1991, 221, 737-743.	2.0	26
34	X-ray Structure of a Pokeweed Antiviral Protein, Coded by a New Genomic Clone, at 0.23 nm Resolution. A Model Structure Provides a Suitable Electrostatic Field for Substrate Binding. FEBS Journal, 1994, 225, 369-374.	0.2	26
35	Oxyanion Hole-stabilized Stereospecific Isomerization in Ribose-5-phosphate Isomerase (Rpi). Journal of Biological Chemistry, 2003, 278, 49183-49190.	1.6	26
36	Nucleotide sequence of a genomic gene encoding tritin, a ribosome-inactivating protein from Triticum aestivum. Plant Molecular Biology, 1993, 22, 171-176.	2.0	25

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37	Physicochemical characterization of ATP binding to human 5-lipoxygenase. Lipids, 1996, 31, 367-371.	0.7	25
38	Interfacial kinetic reaction of human 5-lipoxygenase. FEBS Journal, 1994, 222, 285-292.	0.2	24
39	Crystallization and Preliminary X-ray Crystallographic Studies of Recombinant Human Leukotriene A4 Hydrolase Complexed with Bestatin. Journal of Molecular Biology, 1994, 238, 854-856.	2.0	24
40	Crystallization screening test for the whole-cell project onThermus thermophilusHB8. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 487-491.	0.7	24
41	Adenine depurination and inactivation of plant ribosomes by an antiviral protein of Mirabilis jalapa (MAP). Plant Molecular Biology, 1992, 20, 1111-1119.	2.0	21
42	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. Journal of Biochemistry, 2006, 140, 457-466.	0.9	21
43	Cloning, Expression, Crystallization, and Preliminary X-Ray Analysis of Recombinant Mouse Lipocalin-type Prostaglandin D Synthase, a Somnogen-Producing Enzyme. Journal of Biochemistry, 2003, 133, 29-32.	0.9	20
44	RVCaB, a Calcium-binding Protein in Radish Vacuoles, is Predominantly an Unstructured Protein with a Polyproline Type II Helix. Journal of Biochemistry, 2007, 142, 201-211.	0.9	20
45	A structural study of calcium-binding equine lysozyme by two-dimensional 1H-NMR. BBA - Proteins and Proteomics, 1991, 1078, 77-84.	2.1	18
46	A Plasma Membrane-associated Protein of Arabidopsis thaliana AtPCaP1 Binds Copper Ions and Changes Its Higher Order Structure. Journal of Biochemistry, 2008, 144, 487-497.	0.9	17
47	Internally bridging water molecule in transmembrane α-helical kink. Current Opinion in Structural Biology, 2010, 20, 456-463.	2.6	17
48	The catalytic efficiency (kcat/Km) of the class A β-lactamase Toho-1 correlates with the thermal stability of its catalytic intermediate analog. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 684-691.	1.1	16
49	Nucleotide sequence of cDNA encoding ?-luffin, a ribosome-inactivating protein from Luffa cylindrica. Plant Molecular Biology, 1992, 18, 1199-1202.	2.0	14
50	Evaluation of protein crystallization states based on texture information derived from greyscale images. Acta Crystallographica Section D: Biological Crystallography, 2005, 61, 873-880.	2.5	14
51	Crystal structure of alanyl-tRNA synthetase editing-domain homolog (PH0574) from a hyperthermophile, Pyrococcus horikoshii OT3 at 1.45 Ä resolution. Proteins: Structure, Function and Bioinformatics, 2005, 62, 1133-1137.	1.5	14
52	Expression of a pokeweed antiviral protein inEscherichia coliand its characterization. FEBS Letters, 1993, 320, 31-34.	1.3	13
53	A leukotriene C4 synthase inhibitor with the backbone of 5-(5-methylene-4-oxo-4,5-dihydrothiazol-2-ylamino) isophthalic acid. Journal of Biochemistry, 2013, 153, 421-429.	0.9	13
54	Nucleotide sequence of cDNA encoding ?-luffin, another ribosome-inactivating protein from Luffa cylindrica. Plant Molecular Biology, 1992, 19, 887-889.	2.0	12

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55	Protein-protein interactions of the hyperthermophilic archaeon Pyrococcus horikoshii OT3. Genome Biology, 2005, 6, R98.	13.9	12
56	Crystallization and preliminary crystallographic analysis of the human calcineurin homologous protein CHP2 bound to the cytoplasmic region of the Na+/H+exchanger NHE1. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 956-958.	0.7	11
57	Evaluation of crystalline objects in crystallizing protein droplets based on line-segment information in greyscale images. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 239-245.	2.5	11
58	Structure of a Hyperthermophilic Archaeal Homing Endonuclease, I-Tsp061I: Contribution of Cross-domain Polar Networks to Thermostability. Journal of Molecular Biology, 2007, 365, 362-378.	2.0	11
59	A genomic gene for MAP, a ribosome-inactivating protein fromMirabilis jalapa, contains an intron. Nucleic Acids Research, 1993, 21, 1035-1035.	6.5	10
60	Application of maximum-entropy maps in the accurate refinement of a putative acylphosphatase using 1.3â€Ã X-ray diffraction data. Acta Crystallographica Section D: Biological Crystallography, 2008, 64, 237-247.	2.5	9
61	Expression, purification and characterization of leukotriene B4 receptor, BLT1 in Pichia pastoris. Protein Expression and Purification, 2010, 72, 66-74.	0.6	9
62	Crystallization and preliminary X-ray crystallographic analysis of Mirabilis antiviral protein. Journal of Molecular Biology, 1992, 226, 281-283.	2.0	8
63	A 281 Tflops calculation for X-ray protein structure analysis with special-purpose computers MDGRAPE-3. , 2007, , .		8
64	Structure of 3-oxoacyl-(acyl-carrier protein) synthase II from <i>Thermus thermophilus</i> HB8. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 358-366.	0.7	7
65	Seleno-detergent MAD phasing of leukotriene C ₄ synthase in complex with dodecyl-l²- <scp>D</scp> -selenomaltoside. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 1666-1673.	0.7	7
66	Crystal Structure of OXA-58 with the Substrate-Binding Cleft in a Closed State: Insights into the Mobility and Stability of the OXA-58 Structure. PLoS ONE, 2015, 10, e0145869.	1.1	7
67	Integrated state evaluation for the images of crystallization droplets utilizing linear and nonlinear classifiers. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 1066-1072.	2.5	6
68	Germination and growth inhibition of acylnornicotines from section repandae of the genus Nicotiana and synthetic acylnornicotines Agricultural and Biological Chemistry, 1988, 52, 1899-1903.	0.3	5
69	Characterization of a Major Secretory Protein in the Cane Toad (Bufo marinus) Choroid Plexus as an Amphibian Lipocalin-type Prostaglandin D Synthase. Journal of Biochemistry, 2006, 141, 173-180.	0.9	5
70	1 '-(6-Hydroxyoctanoyl) nornicotine and 1 '-(7-Hydroxyoctanoyl) nornico-tine, Two New Alkaloids from Japanese Domestic Tobacco. Agricultural and Biological Chemistry, 1981, 45, 1029-1032.	0.3	4
71	Cloning and Crystal Structure of Hematopoietic Prostaglandin D Synthase. Cell, 1999, 96, 449.	13.5	4
72	The Flexible C-Terminal Region of Aspergillus terreus Blasticidin S Deaminase: Identification of Its Functional Roles with Deletion Enzymes. Biochemical and Biophysical Research Communications, 2002, 290, 421-426.	1.0	4

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73	Crystallization and preliminary diffraction studies of prostaglandin E ₂ -specific monoclonal antibody Fab fragment in the ligand complex. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 1027-1030.	0.7	3
74	Evaluation of protein crystallization state by sequential image classification. Sensor Review, 2008, 28, 242-247.	1.0	3
75	Neutralization of leukotriene C4 and D4 activity by monoclonal and single-chain antibodies. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1625-1633.	1.1	3
76	Amphiphilic Helices Drive Signaling. Structure, 2005, 13, 946-947.	1.6	2
77	Functional expression of single-chain antibody to leukotriene C4. Biochemical and Biophysical Research Communications, 2010, 392, 421-425.	1.0	2
78	The leukotriene B4 receptor BLT1 is stabilized by transmembrane helix capping mutations. Biochemistry and Biophysics Reports, 2015, 4, 243-249.	0.7	2
79	Crystallization and preliminary X-ray crystallographic studies of NADP-dependent 3-hydroxyisobutyrate dehydrogenase fromThermus thermophilusHB8. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 2294-2296.	2.5	1
80	High Throughput Protein Crystallography at RIKEN Structural Genomic Beamlines. AIP Conference Proceedings, 2004, , .	0.3	1
81	Crystalline object evaluation by image processing. Sensor Review, 2008, 28, 143-149.	1.0	1
82	The Y54(L)W mutation of anti-leukotriene C4single-chain antibody increases affinity to leukotriene E4. Journal of Biochemistry, 2017, 161, 79-86.	0.9	1
83	cDNA Cloning and Mutagenesis Study of Liver-Type Prostaglandin F Synthase, and Identification of the Prostaglandin F Producing Cells in the Liver. Advances in Experimental Medicine and Biology, 2002, 507, 263-268.	0.8	1
84	Recent Advances in Biology of Crysteinyl Leukotriene. Nihon Kessho Gakkaishi, 2010, 52, 69-75.	0.0	1
85	<i>N</i> ′-Isopropylnornicotine in Burley Tobacco (<i>Nicotiana tabacum</i>). Agricultural and Biological Chemistry, 1979, 43, 2205-2206.	0.3	0
86	New Minor Alkaloids in Burley Tobacco (<i>Nicotiana tabacum</i>). Agricultural and Biological Chemistry, 1979, 43, 1607-1608.	0.3	0