

Yoshimitsu Kakuta

List of Publications by Year in descending order

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43
papers

1,890
citations

394421

19
h-index

276875

41
g-index

43
all docs

43
docs citations

43
times ranked

1807
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and Function of Sulfotransferases. Archives of Biochemistry and Biophysics, 2001, 390, 149-157.	3.0	306
2	Crystal structure of estrogen sulphotransferase. Nature Structural and Molecular Biology, 1997, 4, 904-908.	8.2	263
3	Structural Evidence for Endocrine Disruptor Bisphenol A Binding to Human Nuclear Receptor ERR α . Journal of Biochemistry, 2007, 142, 517-524.	1.7	206
4	Conserved structural motifs in the sulfotransferase family. Trends in Biochemical Sciences, 1998, 23, 129-130.	7.5	158
5	The Sulfuryl Transfer Mechanism. Journal of Biological Chemistry, 1998, 273, 27325-27330.	3.4	135
6	ERR α tethers strongly bisphenol A and 4- <i>t</i> -cumylphenol in an induced-fit manner. Biochemical and Biophysical Research Communications, 2008, 373, 408-413.	2.1	75
7	Crystal structure of chondroitin polymerase from Escherichia coli K4. Biochemical and Biophysical Research Communications, 2009, 378, 10-14.	2.1	69
8	Substrate Gating Confers Steroid Specificity to Estrogen Sulfotransferase. Journal of Biological Chemistry, 1999, 274, 30019-30022.	3.4	59
9	Crystal Structure of Vibrionaceae Photobacterium sp. JT-ISH-224 α 2,6-Sialyltransferase in a Ternary Complex With Donor Product CMP and Acceptor Substrate Lactose: Catalytic Mechanism and Substrate Recognition. Glycobiology, 2007, 18, 66-73.	2.5	58
10	Crystal structure of human tyrosylprotein sulfotransferase-2 reveals the mechanism of protein tyrosine sulfation reaction. Nature Communications, 2013, 4, 1572.	12.8	57
11	Glycine-15 in the Bend between Two α -Helices Can Explain the Thermostability of DNA Binding Protein HU from Bacillus stearothermophilus. Biochemistry, 1996, 35, 1195-1200.	2.5	52
12	A role of Lys614 in the sulfotransferase activity of human heparan sulfate N-deacetylase/N-sulfotransferase. FEBS Letters, 1998, 433, 211-214.	2.8	48
13	Crystal Structure of a Ribonuclease P Protein Ph1601p from Pyrococcus horikoshii OT3: An Archaeal Homologue of Human Nuclear Ribonuclease P Protein Rpp21. Biochemistry, 2005, 44, 12086-12093.	2.5	40
14	Glucuronyltransferase Activity of KfiC from Escherichia coli Strain K5 Requires Association of KfiA. Journal of Biological Chemistry, 2010, 285, 1597-1606.	3.4	32
15	Pentatricopeptide repeats of protein-only RNase P use a distinct mode to recognize conserved bases and structural elements of pre-tRNA. Nucleic Acids Research, 2020, 48, 11815-11826.	14.5	26
16	Pentatricopeptide repeat motifs in the processing enzyme PRORP1 in Arabidopsis thaliana play a crucial role in recognition of nucleotide bases at T ψ C loop in precursor tRNAs. Biochemical and Biophysical Research Communications, 2014, 450, 1541-1546.	2.1	25
17	Crystal structure of the regulatory subunit of archaeal initiation factor 2B (aIF2B) from hyperthermophilic archaeon Pyrococcus horikoshii OT3: a proposed structure of the regulatory subcomplex of eukaryotic eIF2B. Biochemical and Biophysical Research Communications, 2004, 319, 725-732.	2.1	24
18	The Chondroitin Polymerase K4CP and the Molecular Mechanism of Selective Bindings of Donor Substrates to Two Active Sites. Journal of Biological Chemistry, 2008, 283, 32328-32333.	3.4	24

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19	Crystal structure of α -D-galactoside 2,3-sialyltransferase from a luminous marine bacterium, <i>Photobacterium phosphoreum</i> . FEBS Letters, 2009, 583, 2083-2087.	2.8	23
20	Structural basis for the broad substrate specificity of the human tyrosylprotein sulfotransferase-1. Scientific Reports, 2017, 7, 8776.	3.3	21
21	Snapshot of a Michaelis complex in a sulfuryl transfer reaction: Crystal structure of a mouse sulfotransferase, mSULT1D1, complexed with donor substrate and acceptor substrate. Biochemical and Biophysical Research Communications, 2009, 383, 83-87.	2.1	20
22	A rationally engineered yeast pyruvyltransferase Pvg1p introduces sialylation-like properties in neo-human-type complex oligosaccharide. Scientific Reports, 2016, 6, 26349.	3.3	16
23	The crystal structure of novel chondroitin lyase ODV66, a baculovirus envelope protein. FEBS Letters, 2013, 587, 3943-3948.	2.8	15
24	Non-conventional octameric structure of C-phycoyanin. Communications Biology, 2021, 4, 1238.	4.4	15
25	The Structural Basis for a Coordinated Reaction Catalyzed by a Bifunctional Glycosyltransferase in Chondroitin Biosynthesis. Journal of Biological Chemistry, 2012, 287, 36022-36028.	3.4	14
26	Tamavidin 2-HOT, a highly thermostable biotin-binding protein. Journal of Biotechnology, 2014, 169, 1-8.	3.8	14
27	Structural insight into the recognition of pathogen-derived phosphoglycolipids by C-type lectin receptor DCAR. Journal of Biological Chemistry, 2020, 295, 5807-5817.	3.4	13
28	Minimal protein-only RNase P structure reveals insights into tRNA precursor recognition and catalysis. Journal of Biological Chemistry, 2021, 297, 101028.	3.4	13
29	Crystallographic survey of active sites of an unclassified glutathione transferase from <i>Bombyx mori</i> . Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 1355-1360.	2.4	9
30	Biochemical and structural characterization of a thermostable Dps protein with His-type ferroxidase centers and outer metal-binding sites. FEBS Open Bio, 2020, 10, 1219-1229.	2.3	8
31	Crystal structure of mSULT1D1, a mouse catecholamine sulfotransferase. FEBS Letters, 2008, 582, 3909-3914.	2.8	7
32	Molecular cloning, expression, and functional analysis of a predicted sulfotransferase STF9 from <i>Mycobacterium avium</i> . Molecular and Cellular Biochemistry, 2011, 350, 155-162.	3.1	7
33	Functional implication of archaeal homologues of human RNase P protein pair Pop5 and Rpp30. Journal of Biochemistry, 2016, 159, 31-40.	1.7	7
34	Evaluation of the Influence of Halogenation on the Binding of Bisphenol A to the Estrogen-Related Receptor β . Chemical Research in Toxicology, 2020, 33, 889-902.	3.3	6
35	Kinetics of Iterative Carbohydrate Transfer to Polysaccharide Catalyzed by Chondroitin Polymerase on a Highly Sensitive Flow-Type 27-MHz Quartz Crystal Microbalance. Chemistry - A European Journal, 2012, 18, 7388-7393.	3.3	5
36	On the similar spatial arrangement of active site residues in PAPS-dependent and phenolic sulfate-utilizing sulfotransferases. FEBS Letters, 2009, 583, 3091-3094.	2.8	4

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37	Loss-of-Function Mutation in Bi-Functional Marine Bacterial Sialyltransferase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 1639-1644.	1.3	4
38	Crystal structure of endocrine-disrupting chemical bisphenol A and estrogen-related receptor β . <i>Journal of Biochemistry</i> , 2022, 171, 23-25.	1.7	4
39	Mutation of the gene encoding the ribonuclease P RNA in the hyperthermophilic archaeon <i>Thermococcus kodakarensis</i> causes decreased growth rate and impaired processing of tRNA precursors. <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 660-665.	2.1	3
40	The crystal structure of mouse SULT2A8 reveals the mechanism of 7 β -hydroxyl, bile acid sulfation. <i>Biochemical and Biophysical Research Communications</i> , 2021, 562, 15-20.	2.1	3
41	Structural basis for the broad range substrate specificity of a novel mouse cytosolic sulfotransferase mSULT1D1. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 76-80.	2.1	2
42	2P-019 X-ray crystal structure of mouse sulfotransferase SULT5A1 (The 46th Annual Meeting of the Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	0
43	Crystal Structures of Archaeal Ribonuclease P Proteins. <i>Nihon Kessho Gakkaishi</i> , 2007, 49, 255-258.	0.0	0