

Masahiko Okai

List of Publications by Year in descending order

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papers

458
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840776

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34
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Calaxin drives sperm chemotaxis by Ca ²⁺ -mediated direct modulation of a dynein motor. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20497-20502.	7.1	80
2	A new target region for changing the substrate specificity of amine transaminases. Scientific Reports, 2015, 5, 10753.	3.3	53
3	Crystal Structure of ¹³ C-Hexachlorocyclohexane Dehydrochlorinase LinA from <i>Sphingobium japonicum</i> UT26. Journal of Molecular Biology, 2010, 403, 260-269.	4.2	38
4	Crystal Structures of the Short-Chain Flavin Reductase HpaC from <i>Sulfolobus tokodaii</i> Strain 7 in Its Three States: NAD(P) ⁺ -Free, NAD ⁺ -Bound, and NADP ⁺ -Bound. Biochemistry, 2006, 45, 5103-5110.	2.5	33
5	Isolation and characterization of benzo[<i>a</i>]pyrene-degrading bacteria from the Tokyo Bay area and Tama River in Japan. FEMS Microbiology Letters, 2015, 362, fnv143.	1.8	32
6	Crystal Structure and Site-Directed Mutagenesis Analyses of Haloalkane Dehalogenase LinB from <i>Sphingobium</i> sp. Strain MI1205. Journal of Bacteriology, 2013, 195, 2642-2651.	2.2	20
7	Allo-Threonine aldolase with an H128Y/S292R mutation from <i>Aeromonas jandaei</i> DK-39 reveals the structural basis of changes in substrate stereoselectivity. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 1695-1703.	2.5	19
8	Molecular Mechanism of Distinct Salt-Dependent Enzyme Activity of Two Halophilic Nucleoside Diphosphate Kinases. Biophysical Journal, 2009, 96, 4692-4700.	0.5	18
9	The Crystal Structure of L-Sorbose Reductase from <i>Gluconobacter frateurii</i> Complexed with NADPH and L-Sorbose. Journal of Molecular Biology, 2011, 407, 543-555.	4.2	17
10	Crystal structure of dibenzothiophene sulfone monooxygenase BdsA from <i>Bacillus subtilis</i> WU-2B. Proteins: Structure, Function and Bioinformatics, 2017, 85, 1171-1177.	2.6	17
11	Crystal structure of the novel haloalkane dehalogenase DatA from <i>Agrobacterium tumefaciens</i> C58 reveals a special halide-stabilizing pair and enantioselectivity mechanism. Applied Microbiology and Biotechnology, 2014, 98, 8573-8582.	3.6	13
12	<i>Citeromyces matritensis</i> M37 is a salt-tolerant yeast that produces ethanol from salted algae. Canadian Journal of Microbiology, 2017, 63, 20-26.	1.7	12
13	Bioethanol production from mixed biomass (waste of <i>Undaria pinnatifida</i> processing and paper) Tj ETQq1 1 0.784314 rgBT /Overlock 771-776.	1.6	10
14	Crystal structure of monomeric sarcosine oxidase from <i>Bacillus</i> sp. NS-129 reveals multiple conformations at the active-site loop. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2005, 81, 220-224.	3.8	9
15	High pressure refolding, purification, and crystallization of flavin reductase from <i>Sulfolobus tokodaii</i> strain 7. Protein Expression and Purification, 2012, 84, 214-218.	1.3	9
16	Isolation of aquatic yeasts with the ability to neutralize acidic media, from an extremely acidic river near Japan's Kusatsu-Shirane Volcano. Journal of Bioscience and Bioengineering, 2017, 124, 43-46.	2.2	9
17	Enzymatic properties and the gene structure of a cold-adapted laminarinase from <i>Pseudoalteromonas</i> species LA. Journal of Bioscience and Bioengineering, 2018, 126, 169-175.	2.2	9
18	Draft Genome Sequence of a Benzo[<i>a</i>]pyrene-Degrading Bacterium, <i>Olleya</i> sp. Strain ITB9. Genome Announcements, 2015, 3, .	0.8	7

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19	Insight into the transition between the open and closed conformations of <i>Thermus thermophilus</i> carboxypeptidase. <i>Biochemical and Biophysical Research Communications</i> , 2017, 484, 787-793.	2.1	7
20	Crystal structure of a Ca ²⁺ -dependent regulator of flagellar motility reveals the open-closed structural transition. <i>Scientific Reports</i> , 2018, 8, 2014.	3.3	7
21	Continuous Saccharification of Laminarin by Immobilized Laminarinase ULam111 Followed by Ethanol Fermentation with a Marine-Derived Yeast. <i>Advances in Microbiology</i> , 2017, 07, 387-403.	0.6	7
22	A unique catalytic triad revealed by the crystal structure of APE0912, a short-chain dehydrogenase/reductase family protein from <i>Aeropyrum pernix</i> K1. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 70, 1640-1645.	2.6	5
23	Antibiotic-resistance of Fecal Coliforms at the Bottom of the Tama River, Tokyo. <i>Biocontrol Science</i> , 2019, 24, 173-178.	0.8	5
24	Crystallization and preliminary X-ray analysis of ¹³ C-hexachlorocyclohexane dehydrochlorinase LinA from <i>Sphingobium japonicum</i> UT26. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 822-824.	0.7	4
25	High Ethanol Production by Marine-Derived Yeasts & <i>Saccharomyces cerevisiae</i> under Stress Pressures. <i>Advances in Microbiology</i> , 2017, 07, 349-357.	0.6	4
26	Crystal structure of the proline iminopeptidase-related protein TTHA1809 from <i>Thermus thermophilus</i> HB8. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 70, 1646-1649.	2.6	3
27	Neutralization of acidic drainage by <i>Cryptococcus</i> sp. T1 immobilized in alginate beads. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 2216-2224.	1.3	3
28	Ethanol Fermentation by High-Stress-Tolerance Aquatic Yeasts and Their Mutants. <i>Advances in Microbiology</i> , 2021, 11, 616-629.	0.6	3
29	Expression, purification, crystallization and preliminary X-ray analysis of carbonyl reductase S1 from <i>Candida magnoliae</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 540-542.	0.7	2
30	Crystallization and preliminary X-ray analysis of the haloalkane dehalogenase DdaA from <i>Agrobacterium tumefaciens</i> C58. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 652-654.	0.7	2
31	Expression, purification, crystallization and preliminary X-ray analysis of 4-hydroxy-3-methyl-2-keto-pentanoate aldolase (asHPAL) from <i>Arthrobacter simplex</i> strain AKU 626. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 958-961.	0.7	1
32	Crystal structure of the short-chain flavin reductase HpaC from <i>Sulfolobus tokodaii</i> strain 7. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2005, 81, 229-232.	3.8	0
33	1P012 Structural analysis for substrate recognition of carbonyl reductase S1 (Protein:Structure,The) Tj ETQq1 1 0.784314 rgBT /Overl	0.1	0
34	2P030 The crystal structure of L-sorbose reductase from <i>Gluconobacter frateurii</i> complexed with NADPH and L-sorbose (The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010, 50, S87.	0.1	0