

Mamoru Yamanishi

List of Publications by Year in descending order

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papers

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430874

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citing authors

#	ARTICLE	IF	CITATIONS
1	Coenzyme B12-dependent eliminases: Diol and glycerol dehydratases and ethanolamine ammonia-lyase. <i>Methods in Enzymology</i> , 2022, 668, 181-242.	1.0	1
2	Enhancement of protein production via the strong DIT1 terminator and two RNA-binding proteins in <i>Saccharomyces cerevisiae</i> . <i>Scientific Reports</i> , 2016, 6, 36997.	3.3	33
3	Combinatorial Screening for Transgenic Yeasts with High Cellulase Activities in Combination with a Tunable Expression System. <i>PLoS ONE</i> , 2015, 10, e0144870.	2.5	6
4	A Highly Tunable System for the Simultaneous Expression of Multiple Enzymes in <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2015, 4, 12-16.	3.8	20
5	Characterization of five terminator regions that increase the protein yield of a transgene in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 2013, 168, 486-492.	3.8	35
6	A Genome-Wide Activity Assessment of Terminator Regions in <i>Saccharomyces cerevisiae</i> Provides a "Terminatome" Toolbox. <i>ACS Synthetic Biology</i> , 2013, 2, 337-347.	3.8	117
7	A Modified Cre-lox Genetic Switch To Dynamically Control Metabolic Flow in <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2012, 1, 172-180.	3.8	26
8	Redesign of coenzyme B ₁₂ dependent diol dehydratase to be resistant to the mechanism-based inactivation by glycerol and act on longer chain 1,2-diols. <i>FEBS Journal</i> , 2012, 279, 793-804.	4.7	35
9	Improvement of galactose induction system in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2011, 111, 175-177.	2.2	11
10	TPS1 Terminator Increases mRNA and Protein Yield in a <i>Saccharomyces cerevisiae</i> Expression System. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 2234-2236.	1.3	25
11	Purification and some properties of wild-type and N-terminal-truncated ethanolamine ammonia-lyase of <i>Escherichia coli</i> . <i>Journal of Biochemistry</i> , 2010, 147, 83-93.	1.7	16
12	Histidine-143 Assists 1,2-Hydroxyl Group Migration and Protects Radical Intermediates in Coenzyme B ₁₂ -Dependent Diol Dehydratase. <i>Biochemistry</i> , 2008, 47, 3162-3173.	2.5	22
13	Mechanism-based Inactivation of Coenzyme B12-dependent Diol Dehydratase by 3-Unsaturated 1,2-Diols and Thioglycerol. <i>Journal of Biochemistry</i> , 2008, 144, 437-446.	1.7	15
14	Structural insights into pathogenic mutations in heme-dependent cystathionine- β -synthase. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1988-1995.	3.5	21
15	Survey of Catalytic Residues and Essential Roles of Glutamate-170 and Aspartate-335 in Coenzyme B12-dependent Diol Dehydratase. <i>Journal of Biological Chemistry</i> , 2006, 281, 18327-18334.	3.4	19
16	Release of a Damaged Cofactor from a Coenzyme B12-Dependent Enzyme: X-Ray Structures of Diol Dehydratase-Reactivating Factor. <i>Structure</i> , 2005, 13, 1745-1754.	3.3	31
17	Adenosyltransferase: an enzyme and an escort for coenzyme B12?. <i>Trends in Biochemical Sciences</i> , 2005, 30, 304-308.	7.5	39
18	Crystallization and preliminary X-ray analysis of molecular chaperone-like diol dehydratase-reactivating factor in ADP-bound and nucleotide-free forms. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 603-605.	0.7	4

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19	Mapping Peptides Correlated with Transmission of Intrasteric Inhibition and Allosteric Activation in Human Cystathionine Î²-Synthase. <i>Biochemistry</i> , 2005, 44, 14210-14216.	2.5	16
20	Mirror "Base-off" Conformation of Coenzyme B12 in Human Adenosyltransferase and Its Downstream Target, Methylmalonyl-CoA Mutase. <i>Journal of the American Chemical Society</i> , 2005, 127, 526-527.	13.7	53
21	Identification of the 1,2-Propanediol-1-yl Radical as an Intermediate in Adenosylcobalamin-Dependent Diol Dehydratase Reaction. <i>Biochemistry</i> , 2005, 44, 2113-2118.	2.5	28
22	Spectroscopic Evidence for the Formation of a Four-Coordinate Co ²⁺ Cobalamin Species upon Binding to the Human ATP:Cobalamin Adenosyltransferase. <i>Journal of the American Chemical Society</i> , 2005, 127, 7660-7661.	13.7	94
23	Structural Rationalization for the Lack of Stereospecificity in Coenzyme B12-dependent Diol Dehydratase. <i>Journal of Biological Chemistry</i> , 2003, 278, 22717-22725.	3.4	38
24	Functions of the D-Ribosyl Moiety and the Lower Axial Ligand of the Nucleotide Loop of Coenzyme B12 in Diol Dehydratase and Ethanolamine Ammonia-lyase Reactions. <i>Journal of Biochemistry</i> , 2002, 132, 935-943.	1.7	12
25	The crystal structure of coenzyme B ₁₂ -dependent glycerol dehydratase in complex with cobalamin and propane-1,2-diol. <i>FEBS Journal</i> , 2002, 269, 4484-4494.	0.2	98
26	Evidence for Axial Coordination of 5,6-Dimethylbenzimidazole to the Cobalt Atom of Adenosylcobalamin Bound to Diol Dehydratase. <i>Biochemistry</i> , 1998, 37, 4799-4803.	2.5	71
27	An electron paramagnetic resonance study on the mechanism-based inactivation of adenosylcobalamin-dependent diol dehydrase by glycerol and other substrates. <i>BBA - Proteins and Proteomics</i> , 1997, 1337, 11-16.	2.1	6