

Koichi Mori

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Reactivating chaperones for coenzyme B12-dependent diol and glycerol dehydratases and ethanolamine ammonia-lyase. <i>Methods in Enzymology</i> , 2022, 668, 243-284.	1.0	0
2	Coenzyme B12-dependent eliminases: Diol and glycerol dehydratases and ethanolamine ammonia-lyase. <i>Methods in Enzymology</i> , 2022, 668, 181-242.	1.0	1
3	Cleavage of Influenza RNA Using Artificial RNA-cleaving Enzyme. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
4	Genome sequence analysis of new plum pox virus isolates from Japan. <i>BMC Research Notes</i> , 2021, 14, 266.	1.4	4
5	Necessity of Flanking Repeats R1 ^{Δ2} and R8 ^{Δ2} of Human Pumilio1 Protein for RNA Binding. <i>Biochemistry</i> , 2021, 60, 3007-3015.	2.5	0
6	Site-Specific Integration by Recruitment of a Complex of Φ C31 Integrase and Donor DNA to a Target Site by Using a Tandem, Artificial Zinc-Finger Protein. <i>Biochemistry</i> , 2018, 57, 6868-6877.	2.5	1
7	Cleavage of influenza RNA by using a human PUF-based artificial RNA-binding protein-staphylococcal nuclease hybrid. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 736-740.	2.1	0
8	Catalytic Roles of Substrate-Binding Residues in Coenzyme B ₁₂ -Dependent Ethanolamine Ammonia-Lyase. <i>Biochemistry</i> , 2014, 53, 2661-2671.	2.5	8
9	Sandwiched zinc-finger nucleases demonstrating higher homologous recombination rates than conventional zinc-finger nucleases in mammalian cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 813-816.	2.2	1
10	Essential Roles of Nucleotide-Switch and Metal-Coordinating Residues for Chaperone Function of Diol Dehydratase-Reactivase. <i>Biochemistry</i> , 2013, 52, 8677-8686.	2.5	4
11	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 ω -diols. <i>FEBS Journal</i> , 2012, 279, 793-804.	4.7	35
12	Diol dehydratase-reactivating factor is a reactivase "evidence for multiple turnovers and subunit swapping with diol dehydratase. <i>FEBS Journal</i> , 2010, 277, 4931-4943.	4.7	15
13	Crystal Structures of Ethanolamine Ammonia-lyase Complexed with Coenzyme B12 Analogs and Substrates. <i>Journal of Biological Chemistry</i> , 2010, 285, 26484-26493.	3.4	87
14	Coenzyme B ₁₂ -Dependent Diol Dehydratase Is a Potassium Ion-Requiring Calcium Metalloenzyme: Evidence That the Substrate-Coordinated Metal Ion Is Calcium. <i>Biochemistry</i> , 2010, 49, 7210-7217.	2.5	34
15	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
16	Roles of adenine anchoring and ion pairing at the coenzyme B ₁₂ -binding site in diol dehydratase catalysis. <i>FEBS Journal</i> , 2008, 275, 6204-6216.	4.7	5
17	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
18	Molecular basis for specificities of reactivating factors for adenosylcobalamin-dependent diol and glycerol dehydratases. <i>FEBS Journal</i> , 2007, 274, 5556-5566.	4.7	20

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19	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
20	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
21	Repeat-Length-Independent Broad-Spectrum Shuffling, a Novel Method of Generating a Random Chimera Library In Vivo. <i>Applied and Environmental Microbiology</i> , 2005, 71, 754-760.	3.1	16
22	Recognition of Phospholipids in <i>Streptomyces</i> Phospholipase D. <i>Journal of Biological Chemistry</i> , 2005, 280, 26143-26151.	3.4	20
23	Identification of a key amino acid residue of <i>Streptomyces</i> phospholipase D for thermostability by in vivo DNA shuffling. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005, 1722, 331-342.	2.4	17
24	Structure of diol dehydratase reactivating factor - a novel molecular chaperone. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, c250-c250.	0.3	0
25	Identification of a Reactivating Factor for Adenosylcobalamin-Dependent Ethanolamine Ammonia Lyase. <i>Journal of Bacteriology</i> , 2004, 186, 6845-6854.	2.2	48
26	A mutant phospholipase D with enhanced thermostability from <i>Streptomyces</i> sp.. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004, 1696, 75-82.	2.3	24
27	Inhibition of <i>Streptomyces chromofuscus</i> Phospholipase D Activity by Dichloro-(2,2,6,6-tetrapyridine)-platinum (II) Dihydrate. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2002, 17, 329-332.	5.2	1
28	Characterization and Mechanism of Action of a Reactivating Factor for Adenosylcobalamin-dependent Glycerol Dehydratase. <i>Journal of Biological Chemistry</i> , 2001, 276, 36514-36519.	3.4	60
29	A reactivating factor for coenzyme B ₁₂ -dependent diol dehydratase. <i>BioFactors</i> , 2000, 11, 105-107.	5.4	5
30	A Reactivating Factor for Coenzyme B12-dependent Diol Dehydratase. <i>Journal of Biological Chemistry</i> , 1999, 274, 3372-3377.	3.4	73
31	Mechanism of Reactivation of Coenzyme B ₁₂ -Dependent Diol Dehydratase by a Molecular Chaperone-like Reactivating Factor. <i>Biochemistry</i> , 1999, 38, 13170-13178.	2.5	64
32	Characterization, Sequencing, and Expression of the Genes Encoding a Reactivating Factor for Glycerol-inactivated Adenosylcobalamin-dependent Diol Dehydratase. <i>Journal of Biological Chemistry</i> , 1997, 272, 32034-32041.	3.4	61
33	A Protein Factor Is Essential for In Situ Reactivation of Glycerol-inactivated Adenosylcobalamin-dependent Diol Dehydratase. <i>Bioscience, Biotechnology and Biochemistry</i> , 1997, 61, 1729-1733.	1.3	22