Koichi Mori

List of Publications by Year
in descending order

33 papers	692 citations	516710 16 h-index	552781 26 g-index
33 all docs	33 docs citations	33 times ranked	439 citing authors

#	Article	IF	Citations
1	Crystal Structures of Ethanolamine Ammonia-lyase Complexed with Coenzyme B12 Analogs and Substrates. Journal of Biological Chemistry, 2010, 285, 26484-26493.	3.4	87
2	A Reactivating Factor for Coenzyme B12-dependent Diol Dehydratase. Journal of Biological Chemistry, 1999, 274, 3372-3377.	3.4	73
3	Mechanism of Reactivation of Coenzyme B₁₂-Dependent Diol Dehydratase by a Molecular Chaperone-like Reactivating Factor. Biochemistry, 1999, 38, 13170-13178.	2.5	64
4	Characterization, Sequencing, and Expression of the Genes Encoding a Reactivating Factor for Glycerol-inactivated Adenosylcobalamin-dependent Diol Dehydratase. Journal of Biological Chemistry, 1997, 272, 32034-32041.	3.4	61
5	Characterization and Mechanism of Action of a Reactivating Factor for Adenosylcobalamin-dependent Glycerol Dehydratase. Journal of Biological Chemistry, 2001, 276, 36514-36519.	3.4	60
6	Identification of a Reactivating Factor for Adenosylcobalamin-Dependent Ethanolamine Ammonia Lyase. Journal of Bacteriology, 2004, 186, 6845-6854.	2.2	48
7	Redesign of coenzyme B₁₂ dependent diol dehydratase to be resistant to the mechanismâ€based inactivation by glycerol and act on longer chain 1,2â€diols. FEBS Journal, 2012, 279, 793-804.	4.7	35
8	Coenzyme B₁₂-Dependent Diol Dehydratase Is a Potassium Ion-Requiring Calcium Metalloenzyme: Evidence That the Substrate-Coordinated Metal Ion Is Calcium. Biochemistry, 2010, 49, 7210-7217.	2.5	34
9	Release of a Damaged Cofactor from a Coenzyme B12-Dependent Enzyme: X-Ray Structures of Diol Dehydratase-Reactivating Factor. Structure, 2005, 13, 1745-1754.	3.3	31
10	A mutant phospholipase D with enhanced thermostability from Streptomyces sp.. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2004, 1696, 75-82.	2.3	24
11	A Protein Factor Is Essential forin SituReactivation of Glycerol-inactivated Adenosylcobalamin-dependent Diol Dehydratase. Bioscience, Biotechnology and Biochemistry, 1997, 61, 1729-1733.	1.3	22
12	Recognition of Phospholipids in Streptomyces Phospholipase D. Journal of Biological Chemistry, 2005, 280, 26143-26151.	3.4	20
13	Molecular basis for specificities of reactivating factors for adenosylcobalaminâ€dependent diol and glycerol dehydratases. FEBS Journal, 2007, 274, 5556-5566.	4.7	20
14	Identification of a key amino acid residue of Streptomyces phospholipase D for thermostability by in vivo DNA shuffling. Biochimica Et Biophysica Acta - General Subjects, 2005, 1722, 331-342.	2.4	17
15	Repeat-Length-Independent Broad-Spectrum Shuffling, a Novel Method of Generating a Random Chimera Library In Vivo. Applied and Environmental Microbiology, 2005, 71, 754-760.	3.1	16
16	Purification and some properties of wild-type and N-terminal-truncated ethanolamine ammonia-lyase of Escherichia coli. Journal of Biochemistry, 2010, 147, 83-93.	1.7	16
17	Mechanism-based Inactivation of Coenzyme B12-dependent Diol Dehydratase by 3-Unsaturated 1,2-Diols and Thioglycerol. Journal of Biochemistry, 2008, 144, 437-446.	1.7	15
18	Diol dehydrataseâ€reactivating factor is a reactivase â€“ evidence for multiple turnovers and subunit swapping with diol dehydratase. FEBS Journal, 2010, 277, 4931-4943.	4.7	15

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19	Catalytic Roles of Substrate-Binding Residues in Coenzyme B₁₂-Dependent Ethanolamine Ammonia-Lyase. Biochemistry, 2014, 53, 2661-2671.	2.5	8
20	A reactivating factor for coenzyme B₁₂â€dependent diol dehydratase. BioFactors, 2000, 11, 105-107.	5.4	5
21	Roles of adenine anchoring and ion pairing at the coenzymeâ€ƒB₁₂â€binding site in diol dehydratase catalysis. FEBS Journal, 2008, 275, 6204-6216.	4.7	5
22	Crystallization and preliminary X-ray analysis of molecular chaperone-like diol dehydratase-reactivating factor in ADP-bound and nucleotide-free forms. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 603-605.	0.7	4
23	Essential Roles of Nucleotide-Switch and Metal-Coordinating Residues for Chaperone Function of Diol Dehydratase-Reactivase. Biochemistry, 2013, 52, 8677-8686.	2.5	4
24	Genome sequence analysis of new plum pox virus isolates from Japan. BMC Research Notes, 2021, 14, 266.	1.4	4
25	Inhibition of Streptomyces chromofuscus Phospholipase D Activity by Dichloro-(2,2â€²:6â€²,2â€²-terpyridine)-platinum (II) Dihydrate. Journal of Enzyme Inhibition and Medicinal Chemistry, 2002, 17, 329-332.	5.2	1
26	Sandwiched zinc-finger nucleases demonstrating higher homologous recombination rates than conventional zinc-finger nucleases in mammalian cells. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 813-816.	2.2	1
27	Site-Specific Integration by Recruitment of a Complex of Î¦C31 Integrase and Donor DNA to a Target Site by Using a Tandem, Artificial Zinc-Finger Protein. Biochemistry, 2018, 57, 6868-6877.	2.5	1
28	Coenzyme B12-dependent eliminases: Diol and glycerol dehydratases and ethanolamine ammonia-lyase. Methods in Enzymology, 2022, 668, 181-242.	1.0	1
29	Cleavage of influenza RNA by using a human PUF-based artificial RNA-binding proteinâ€“staphylococcal nuclease hybrid. Biochemical and Biophysical Research Communications, 2016, 479, 736-740.	2.1	0
30	Cleavage of Influenza RNA Using Artificial RNAâ€cleaving Enzyme. FASEB Journal, 2021, 35, .	0.5	0
31	Necessity of Flanking Repeats R1â€² and R8â€² of Human Pumilio1 Protein for RNA Binding. Biochemistry, 2021, 60, 3007-3015.	2.5	0
32	Structure of diol dehydratase reactivating factor - a novel molecular chaperone. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c250-c250.	0.3	0
33	Reactivating chaperones for coenzyme B12-dependent diol and glycerol dehydratases and ethanolamine ammonia-lyase. Methods in Enzymology, 2022, 668, 243-284.	1.0	0