

Katsumasa Abe

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Purification and characterization of aspartate racemase from the bivalve mollusk <i>Scapharca broughtonii</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003, 134, 307-314.	1.6	53
2	Cloning and Expression of the Pyridoxal 5 α -Phosphate-Dependent Aspartate Racemase Gene from the Bivalve Mollusk <i>Scapharca broughtonii</i> and Characterization of the Recombinant Enzyme. <i>Journal of Biochemistry</i> , 2006, 139, 235-244.	1.7	36
3	Haloalkylphosphorus Hydrolases Purified from <i>Sphingomonas</i> sp. Strain TDK1 and <i>Sphingobium</i> sp. Strain TCM1. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5866-5873.	3.1	33
4	A Highly Stable α -Amino Acid Oxidase of the Thermophilic Bacterium <i>Rubrobacter xylanophilus</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 7219-7229.	3.1	31
5	Identification of alkaline phosphatase genes for utilizing a flame retardant, tris(2-chloroethyl) phosphate, in <i>Sphingobium</i> sp. strain TCM1. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2153-2162.	3.6	31
6	Nucleotides modulate the activity of aspartate racemase of <i>Scapharca broughtonii</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003, 134, 713-719.	1.6	15
7	An atypical phosphodiesterase capable of degrading haloalkyl phosphate diesters from <i>Sphingobium</i> sp. strain TCM1. <i>Scientific Reports</i> , 2017, 7, 2842.	3.3	14
8	A novel thermostable d-amino acid oxidase of the thermophilic fungus <i>Rasamsonia emersonii</i> strain YA. <i>Scientific Reports</i> , 2019, 9, 11948.	3.3	14
9	Characterization and improvement of substrate-binding affinity of d-aspartate oxidase of the thermophilic fungus <i>Thermomyces dupontii</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 4053-4064.	3.6	11
10	Draft Genome Sequences of <i>Sphingobium</i> sp. Strain TCM1 and <i>Sphingomonas</i> sp. Strain TDK1, Haloalkyl Phosphate Flame Retardant- and Plasticizer-Degrading Bacteria. <i>Genome Announcements</i> , 2016, 4, .	0.8	8
11	Determination of d-aspartate N-methyltransferase activity in the starfish by direct analysis of N-methyl-d-aspartate with high-performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3229-3234.	2.3	7
12	Possible role of a histidine residue in the substrate specificity of yeast d-aspartate oxidase. <i>Journal of Biochemistry</i> , 2015, 159, mvv108.	1.7	5
13	Draft Genome Sequence of the Yeast <i>Vanrija humicola</i> (Formerly <i>Cryptococcus humicola</i>) Strain UJ1, a Producer of α -Aspartate Oxidase. <i>Genome Announcements</i> , 2018, 6, .	0.8	5
14	Crystal structure of a pyridoxal 5 α -phosphate-dependent aspartate racemase derived from the bivalve mollusc <i>Scapharca broughtonii</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 651-656.	0.8	4
15	d-Aspartate N-methyltransferase catalyzes biosynthesis of N-methyl-d-aspartate (NMDA), a well-known selective agonist of the NMDA receptor, in mice. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140527.	2.3	4
16	Aspartate racemase and d-aspartate in starfish; possible involvement in testicular maturation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 95-102.	1.3	3
17	Enzymatic characterization and regulation of gene expression of PhoK alkaline phosphatase in <i>Sphingobium</i> sp. strain TCM1. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1125-1134.	3.6	3
18	Liquid chromatography-electrospray ionization-tandem mass spectrometric assay for d-aspartate N-methyltransferase activity in ark shells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 500-506.	1.3	1