

Takashi Ohshiro

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3546572/publications.pdf>

Version: 2024-02-01

37
papers

1,211
citations

430874

18
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

772
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence of different fucoidanase genes in <i>Flavobacterium</i> sp. SW and enzyme characterization. <i>Journal of Bioscience and Bioengineering</i> , 2022, 134, 187-194.	2.2	3
2	Frequent Transposition of Multiple Insertion Sequences in <i>Geobacillus kaustophilus</i> HTA426. <i>Frontiers in Microbiology</i> , 2021, 12, 650461.	3.5	10
3	Transcriptome and growth efficiency comparisons of recombinant thermophiles that produce thermolabile and thermostable proteins: implications for burden-based selection of thermostable proteins. <i>Extremophiles</i> , 2021, 25, 403-412.	2.3	2
4	A plasmid vector that directs hyperproduction of recombinant proteins in the thermophiles <i>Geobacillus</i> species. <i>Extremophiles</i> , 2020, 24, 147-156.	2.3	4
5	Microbial and genomic characterization of <i>Geobacillus thermodenitrificans</i> OS27, a marine thermophile that degrades diverse raw seaweeds. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 4901-4913.	3.6	6
6	Antibiotic resistance mutations induced in growing cells of <i>Bacillus</i> -related thermophiles. <i>Journal of Antibiotics</i> , 2018, 71, 382-389.	2.0	11
7	Characterization of a Long-Lived Alginate Lyase Derived from <i>Shewanella</i> Species YH1. <i>Marine Drugs</i> , 2018, 16, 4.	4.6	14
8	Identification and characterization of the fucoidanase gene from <i>Luteolibacter</i> algae H18. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 567-572.	2.2	12
9	Crystal structure of dibenzothiophene sulfone monooxygenase BdsA from <i>Bacillus subtilis</i> WU62B. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 1171-1177.	2.6	17
10	Gene identification and characterization of fucoidan deacetylase for potential application to fucoidan degradation and diversification. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 277-282.	2.2	18
11	Crystal structures of TdsC, a dibenzothiophene monooxygenase from the thermophile <i>Paenibacillus</i> sp. A11-2, reveal potential for expanding its substrate selectivity. <i>Journal of Biological Chemistry</i> , 2017, 292, 15804-15813.	3.4	18
12	Purification and characterization of a novel alginate lyase from the marine bacterium <i>Cobetia</i> sp. NAP1 isolated from brown algae. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 2338-2346.	1.3	41
13	Conjugative plasmid transfer from <i>Escherichia coli</i> is a versatile approach for genetic transformation of thermophilic <i>Bacillus</i> and <i>Geobacillus</i> species. <i>Extremophiles</i> , 2016, 20, 375-381.	2.3	14
14	A thiostrepton resistance gene and its mutants serve as selectable markers in <i>Geobacillus kaustophilus</i> HTA426. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 368-375.	1.3	14
15	Crystal structures of apo-DszC and FMN-bound DszC from <i>Rhodococcus erythropolis</i> . <i>FEBS Journal</i> , 2015, 282, 3126-3135.	4.7	32
16	Unique Plasmids Generated via pUC Replicon Mutagenesis in an Error-Prone Thermophile Derived from <i>Geobacillus kaustophilus</i> HTA426. <i>Applied and Environmental Microbiology</i> , 2015, 81, 7625-7632.	3.1	11
17	PRODUCTION AND CHARACTERIZATION OF L-FUCOSE DEHYDROGENASE FROM NEWLY ISOLATED <i>Acinetobacter</i> sp. STRAIN SA-134. <i>Preparative Biochemistry and Biotechnology</i> , 2014, 44, 382-391.	1.9	0
18	Microbial Fucoidan Degradation by <i>Luteolibacter</i> algae H18 with Deacetylation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 620-623.	1.3	22

#	ARTICLE	IF	CITATIONS
19	Isolation and Characterization of a Novel Fucoidan-Degrading Microorganism. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1729-1732.	1.3	14
20	Novel Reactivity of Dibenzothiophene Monooxygenase from <i>Bacillus subtilis</i> WU-S2B. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 2128-2130.	1.3	8
21	Improvement of 2-Hydroxybiphenyl-2-sulfinate Desulfinate, an Enzyme Involved in the Dibenzothiophene Desulfurization Pathway, from <i>Rhodococcus erythropolis</i> KA2-5-1 by Site-Directed Mutagenesis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 2815-2821.	1.3	30
22	Crystal Structure and Desulfurization Mechanism of 2-Hydroxybiphenyl-2-sulfonic Acid Desulfinate. <i>Journal of Biological Chemistry</i> , 2006, 281, 32534-32539.	3.4	44
23	Dibenzothiophene desulfurizing enzymes from moderately thermophilic bacterium <i>Bacillus subtilis</i> WU-S2B: purification, characterization and overexpression. <i>Journal of Bioscience and Bioengineering</i> , 2005, 100, 266-273.	2.2	40
24	Thermostable Flavin Reductase That Couples with Dibenzothiophene Monooxygenase, from Thermophilic <i>Bacillus</i> sp. DSM411: Purification, Characterization, and Gene Cloning. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 1712-1721.	1.3	8
25	Modification of halogen specificity of a vanadium-dependent bromoperoxidase. <i>Protein Science</i> , 2004, 13, 1566-1571.	7.6	37
26	A novel enzyme, 2-hydroxybiphenyl-2-sulfinate desulfinate (DszB), from a dibenzothiophene-desulfurizing bacterium <i>Rhodococcus erythropolis</i> KA2-5-1: gene overexpression and enzyme characterization. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2002, 1598, 122-130.	2.3	53
27	Expression of the vanadium-dependent bromoperoxidase gene from a marine macro-alga <i>Corallina pilulifera</i> in <i>Saccharomyces cerevisiae</i> and characterization of the recombinant enzyme. <i>Phytochemistry</i> , 2002, 60, 595-601.	2.9	25
28	Purification, Characterization, and Overexpression of Flavin Reductase Involved in Dibenzothiophene Desulfurization by <i>Rhodococcus erythropolis</i> D-1. <i>Applied and Environmental Microbiology</i> , 2001, 67, 1179-1184.	3.1	76
29	Purification, characterization and crystallization of enzymes for dibenzothiophene desulfurization. , 2000, 9, 185-188.		10
30	Purification and characterization of dibenzothiophene (DBT) sulfone monooxygenase, an enzyme involved in DBT desulfurization, from <i>Rhodococcus erythropolis</i> D-1. <i>Journal of Bioscience and Bioengineering</i> , 1999, 88, 610-616.	2.2	60
31	Microbial Desulfurization of Organic Sulfur Compounds in Petroleum. <i>Bioscience, Biotechnology and Biochemistry</i> , 1999, 63, 1-9.	1.3	164
32	Cloning and expression of the gene for a vanadium-dependent bromoperoxidase from a marine macro-alga, <i>Corallina pilulifera</i> 1. <i>FEBS Letters</i> , 1998, 428, 105-110.	2.8	47
33	Dibenzothiophene (DBT) degrading enzyme responsible for the first step of DBT desulfurization by <i>Rhodococcus erythropolis</i> D-1: Purification and characterization. <i>Journal of Bioscience and Bioengineering</i> , 1997, 83, 233-237.	0.9	58
34	Desulfurization of dibenzothiophene derivatives by whole cells of <i>Rhodococcus erythropolis</i> H-2. <i>FEMS Microbiology Letters</i> , 1996, 142, 65-70.	1.8	5
35	Enzymatic Conversion of Dethiobiotin to Biotin in Cell-free Extracts of a <i>Bacillus sphaericus</i> bioB Transformant. <i>Bioscience, Biotechnology and Biochemistry</i> , 1994, 58, 1738-1741.	1.3	24
36			

#	ARTICLE	IF	CITATIONS
37	Selective Desulfurization of Dibenzothiophene by <i>Rhodococcus erythropolis</i> D-1. Applied and Environmental Microbiology, 1994, 60, 223-226.	3.1	237