

Jennifer Chow

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,346
citations

758635

12
h-index

676716

22
g-index

29
all docs

29
docs citations

29
times ranked

1570
citing authors

#	ARTICLE	IF	CITATIONS
1	Plastics: Environmental and Biotechnological Perspectives on Microbial Degradation. Applied and Environmental Microbiology, 2019, 85, .	1.4	461
2	New Insights into the Function and Global Distribution of Polyethylene Terephthalate (PET)-Degrading Bacteria and Enzymes in Marine and Terrestrial Metagenomes. Applied and Environmental Microbiology, 2018, 84, .	1.4	259
3	Determinants and Prediction of Esterase Substrate Promiscuity Patterns. ACS Chemical Biology, 2018, 13, 225-234.	1.6	106
4	A Comparative Metagenome Survey of the Fecal Microbiota of a Breast- and a Plant-Fed Asian Elephant Reveals an Unexpectedly High Diversity of Glycoside Hydrolase Family Enzymes. PLoS ONE, 2014, 9, e106707.	1.1	80
5	Plastics degradation by hydrolytic enzymes: The <sc>plasticsâ€active</sc> enzymes databaseâ€”<sc>PAZY</sc>. Proteins: Structure, Function and Bioinformatics, 2022, 90, 1443-1456.	1.5	78
6	Alternative hosts for functional (meta)genome analysis. Applied Microbiology and Biotechnology, 2014, 98, 8099-8109.	1.7	77
7	The Metagenome-Derived Enzymes LipS and LipT Increase the Diversity of Known Lipases. PLoS ONE, 2012, 7, e47665.	1.1	72
8	A novel thermoalkalostable esterase from Acidicaldus sp. strain USBA-GBX-499 with enantioselectivity isolated from an acidic hot springs of Colombian Andes. Applied Microbiology and Biotechnology, 2014, 98, 8603-8616.	1.7	27
9	Decoding the ocean's microbiological secrets for marine enzyme biodiscovery. FEMS Microbiology Letters, 2019, 366, .	0.7	26
10	The Bacteroidetes Aequorivita sp. and Kaistella jeonii Produce Promiscuous Esterases With PET-Hydrolyzing Activity. Frontiers in Microbiology, 2021, 12, 803896.	1.5	21
11	Complete Genome Sequence of <i>Geobacillus</i> sp. Strain GHH01, a Thermophilic Lipase-Secreting Bacterium. Genome Announcements, 2013, 1, e0009213.	0.8	20
12	A promiscuous ancestral enzyme's structure unveils protein variable regions of the highly diverse metallo- β -lactamase family. Communications Biology, 2021, 4, 132.	2.0	16
13	Exploring the global metagenome for plastic-degrading enzymes. Methods in Enzymology, 2021, 648, 137-157.	0.4	16
14	Biocatalytic Asymmetric Phosphorylation Catalyzed by Recombinant Glycerateâ€2â€Kinase. ChemBioChem, 2017, 18, 1518-1522.	1.3	13
15	Sequence-Based Screening for Rare Enzymes: New Insights into the World of AMDases Reveal a Conserved Motif and 58 Novel Enzymes Clustering in Eight Distinct Families. Frontiers in Microbiology, 2016, 7, 1332.	1.5	11
16	The Thaumarchaeon N. gargensis carries functional bioABD genes and has a promiscuous E. coli β -bioH-complementing esterase EstN1. Scientific Reports, 2018, 8, 13823.	1.6	11
17	Relationships between Substrate Promiscuity and Chiral Selectivity of Esterases from Phylogenetically and Environmentally Diverse Microorganisms. Catalysts, 2018, 8, 10.	1.6	11
18	Bioreaction Engineering Leading to Efficient Synthesis of Lâ€Glyceraldehydâ€3â€Phosphate. Biotechnology Journal, 2017, 12, 1600625.	1.8	9

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19	Recombinant RNA Polymerase from <i>Geobacillus</i> sp. GHH01 as tool for rapid generation of metagenomic RNAs using in vitro technologies. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2739-2752.	1.7	7
20	Cloning, expression, purification and preliminary X-ray analysis of EstN2, a novel archaeal β -glucuronidase from <i>Candidatus Nitrososphaera gargensis</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1394-1397.	0.4	3
21	Cloning, expression, purification and preliminary X-ray analysis of a putative metagenome-derived lipase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 923-926.	0.7	1
22	Ign18, a novel metallo-hydrolase from the hyperthermophilic archaeon <i>Ignicoccus hospitalis</i> KIN4/l: cloning, expression, purification and X-ray analysis. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2019, 75, 307-311.	0.4	1