

# Jennifer Chow

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5984157/publications.pdf>

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 degradation by hydrolytic enzymes: The <sc>plasticsâ€œactive</sc> enzymes databaseâ€œ<sc>PAZy</sc>. Proteins: Structure, Function and Bioinformatics, 2022, 90, 1443-1456.	1.5	78
2	A promiscuous ancestral enzyme's structure unveils protein variable regions of the highly diverse metallo- $\beta$ -lactamase family. Communications Biology, 2021, 4, 132.	2.0	16
3	Exploring the global metagenome for plastic-degrading enzymes. Methods in Enzymology, 2021, 648, 137-157.	0.4	16
4	The Bacteroidetes Aequorivita sp. and Kaistella jeonii Produce Promiscuous Esterases With PET-Hydrolyzing Activity. Frontiers in Microbiology, 2021, 12, 803896.	1.5	21
5	Plastics: Environmental and Biotechnological Perspectives on Microbial Degradation. Applied and Environmental Microbiology, 2019, 85, .	1.4	461
6	Igni18, a novel metallo-hydrolase from the hyperthermophilic archaeon <i>Ignicoccus hospitalis</i> KIN4/I: cloning, expression, purification and X-ray analysis. Acta Crystallographica Section F, Structural Biology Communications, 2019, 75, 307-311.	0.4	1
7	Decoding the ocean's microbiological secrets for marine enzyme biodiscovery. FEMS Microbiology Letters, 2019, 366, .	0.7	26
8	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
9	Determinants and Prediction of Esterase Substrate Promiscuity Patterns. ACS Chemical Biology, 2018, 13, 225-234.	1.6	106
10	The Thaumarchaeon N. gargensis carries functional bioABD genes and has a promiscuous E. coli $\beta$ -glucuronidase-complementing esterase EstN1. Scientific Reports, 2018, 8, 13823.	1.6	11
11	Relationships between Substrate Promiscuity and Chiral Selectivity of Esterases from Phylogenetically and Environmentally Diverse Microorganisms. Catalysts, 2018, 8, 10.	1.6	11
12	Biocatalytic Asymmetric Phosphorylation Catalyzed by Recombinant Glycerateâ€œ2â€œKinase. ChemBioChem, 2017, 18, 1518-1522.	1.3	13
13	Bioreaction Engineering Leading to Efficient Synthesis of Lâ€œGlyceraldehydâ€œ3â€œPhosphate. Biotechnology Journal, 2017, 12, 1600625.	1.8	9
14	Recombinant RNA Polymerase from <i>Geobacillus</i> sp. GHH01 as tool for rapid generation of metagenomic RNAs using in vitro technologies. Biotechnology and Bioengineering, 2017, 114, 2739-2752.	1.7	7
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	Cloning, expression, purification and preliminary X-ray analysis of EstN2, a novel archaeal $\beta$ -glucuronidase from Candidatus Nitrososphaera gargensis. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1394-1397.	0.4	3
17	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
18	Alternative hosts for functional (meta)genome analysis. Applied Microbiology and Biotechnology, 2014, 98, 8099-8109.	1.7	77

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19	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
20	Complete Genome Sequence of <i>Geobacillus</i> sp. Strain GHH01, a Thermophilic Lipase-Secreting Bacterium. Genome Announcements, 2013, 1, e0009213.	0.8	20
21	Cloning, expression, purification and preliminary X-ray analysis of a putative metagenome-derived lipase. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 923-926.	0.7	1
22	The Metagenome-Derived Enzymes LipS and LipT Increase the Diversity of Known Lipases. PLoS ONE, 2012, 7, e47665.	1.1	72