

Xinzhi Lu

List of Publications by Year in descending order

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12
papers

332
citations

1163117

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354
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing of a new $\hat{1}$ -agarase AgaE from <i>Thalassomonas</i> sp. LD5 and probing its catalytically essential residues. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 50-57.	7.5	3
2	Identification of Crocin as a New hIAPP Amyloid Inhibitor via a Simple Yet Highly Biospecific Screening System. <i>Chemistry and Biodiversity</i> , 2021, 18, e2100270.	2.1	2
3	Characterization of the hydrolysate and catalytic cavity of $\hat{1}$ -agarase AgaD. <i>Biotechnology Letters</i> , 2020, 42, 1919-1925.	2.2	5
4	Characterization of an $\hat{1}$ -agarase from <i>Thalassomonas</i> sp. LD5 and its hydrolysate. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2203-2212.	3.6	29
5	N-Terminal seven-amino-acid extension simultaneously improves the pH stability, optimal temperature, thermostability and catalytic efficiency of chitosanase CsnA. <i>Biotechnology Letters</i> , 2018, 40, 75-82.	2.2	9
6	The hydrogen-bond network around Glu160 contributes to the structural stability of chitosanase CsnA from <i>Renibacterium</i> sp. QD1. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 880-887.	7.5	14
7	Thermostability enhancement of chitosanase CsnA by fusion a family 5 carbohydrate-binding module. <i>Biotechnology Letters</i> , 2017, 39, 1895-1901.	2.2	17
8	O-GlcNAcylation of SIRT1 enhances its deacetylase activity and promotes cytoprotection under stress. <i>Nature Communications</i> , 2017, 8, 1491.	12.8	96
9	Molecular characterization of an endo-type chitosanase from the fish pathogen <i>Renibacterium</i> sp. QD1. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2014, 94, 681-686.	0.8	5
10	Cloning, expression and characterization of a new agarase-encoding gene from marine <i>Pseudoalteromonas</i> sp.. <i>Biotechnology Letters</i> , 2009, 31, 1565-1570.	2.2	27
11	Molecular Cloning and Characterization of a Novel $\hat{2}$ -Agarase, AgaB, from Marine <i>Pseudoalteromonas</i> sp. CY24. <i>Journal of Biological Chemistry</i> , 2007, 282, 3747-3754.	3.4	84
12	A simple method of preparing diverse neoagaro-oligosaccharides with $\hat{2}$ -agarase. <i>Carbohydrate Research</i> , 2007, 342, 1030-1033.	2.3	41