

Kui Wang

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

321
citations

1040056

9
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

471
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel metagenome-derived β -galactosidase: gene cloning, overexpression, purification and characterization. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 155-165.	3.6	64
2	A novel thermostable GH10 xylanase with activities on a wide variety of cellulosic substrates from a xylanolytic <i>Bacillus</i> strain exhibiting significant synergy with commercial Celluclast 1.5 L in pretreated corn stover hydrolysis. <i>Biotechnology for Biofuels</i> , 2019, 12, 48.	6.2	49
3	<i>Bacteroides intestinalis</i> DSM 17393, a member of the human colonic microbiome, upregulates multiple endoxylanases during growth on xylan. <i>Scientific Reports</i> , 2016, 6, 34360.	3.3	39
4	Development of a compound microbial agent beneficial to the composting of Chinese medicinal herbal residues. <i>Bioresource Technology</i> , 2021, 330, 124948.	9.6	34
5	Enzymatic Synthesis of Galacto-oligosaccharides in an Organic-Aqueous Biphasic System by a Novel β -Galactosidase from a Metagenomic Library. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 3940-3946.	5.2	29
6	Biochemical and Structural Analyses of Two Cryptic Esterases in <i>Bacteroides intestinalis</i> and their Synergistic Activities with Cognate Xylanases. <i>Journal of Molecular Biology</i> , 2017, 429, 2509-2527.	4.2	25
7	Isolation and characterization of a novel organic solvent-tolerant and halotolerant esterase from a soil metagenomic library. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 95, 1-8.	1.8	18
8	Highly soluble expression and molecular characterization of an organic solvent-stable and thermotolerant lipase originating from the metagenome. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 72, 319-326.	1.8	14
9	Biochemical analyses of a novel thermostable GH5 endo β -1,4-mannanase with minor β -1,4-glucosidic cleavage activity from <i>Bacillus</i> sp. KW1 and its synergism with a commercial β -galactosidase on galactomannan hydrolysis. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 778-788.	7.5	12
10	Molecular Docking and Molecular Dynamics Studies on Selective Synthesis of β -Amyrin and β -Amyrin by Oxidosqualene Cyclases from <i>Ilex Asprella</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 3469.	4.1	10
11	Molecular and Biochemical Analyses of a Novel Trifunctional Endoxylanase/Endoglucanase/Feruloyl Esterase from the Human Colonic Bacterium <i>Bacteroides intestinalis</i> DSM 17393. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 4044-4056.	5.2	8
12	A novel glycoside hydrolase family 42 enzyme with bifunctional β -galactosidase and β -L-arabinopyranosidase activities and its synergistic effects with cognate glycoside hydrolases in plant polysaccharides degradation. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 129-139.	7.5	7
13	Insights into the Catalytic Mechanism of a Novel XynA and Structure-Based Engineering for Improving Bifunctional Activities. <i>Biochemistry</i> , 2021, 60, 2071-2083.	2.5	7
14	Identification of β -Amyrin 28-Carboxylase and Glycosyltransferase From <i>Ilex asprella</i> and Production of Ursolic Acid 28-O- β -D-Glucopyranoside in Engineered Yeast. <i>Frontiers in Plant Science</i> , 2020, 11, 612.	3.6	5
15	Improving the Extraction of Active Ingredients from Medicinal Plants by XynA Modification. <i>Journal of Chemistry</i> , 2022, 2022, 1-8.	1.9	0