

Shaojun Ding

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

626
citations

16
h-index

21
g-index

58
ext. papers

776
ext. citations

4.5
avg, IF

4.51
L-index

#	Paper	IF	Citations
52	Unique Lysine-Rich Sequence on the CYT Domain of AfCDH Enhances Its Interdomain Electron Transfer and Activation of AA9 LPMOs. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 5810-5824	8.3	0
51	Two C1-oxidizing AA9 lytic polysaccharide monooxygenases from <i>Sordaria brevicollis</i> differ in thermostability, activity, and synergy with cellulase. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 8739-8759	5.7	2
50	Functional characterization of a GH62 family β -arabinofuranosidase from <i>Eupenicillium parvum</i> suitable for monosaccharification of corncob arabinoxylan in combination with key enzymes.. <i>Enzyme and Microbial Technology</i> , 2021 , 154, 109965	3.8	0
49	Production of lactobionic acid using an immobilized cellobiose dehydrogenase/laccase system on magnetic chitosan spheres. <i>Process Biochemistry</i> , 2021 , 100, 1-9	4.8	9
48	A highly xyloglucan active lytic polysaccharide monooxygenase EpLPMO9A from <i>Eupenicillium parvum</i> 4-14 shows boosting effect on hydrolysis of complex lignocellulosic substrates. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 202-213	7.9	4
47	Comparison of C4-oxidizing and C1/C4-oxidizing AA9 LPMOs in substrate adsorption, HO-driven activity and synergy with cellulase on celluloses of different crystallinity. <i>Carbohydrate Polymers</i> , 2021 , 269, 118305	10.3	5
46	Two C1-oxidizing lytic polysaccharide monooxygenases from <i>Ceriporiopsis subvermisporea</i> enhance the saccharification of wheat straw by a commercial cellulase cocktail. <i>Process Biochemistry</i> , 2021 , 110, 243-250	4.8	2
45	Impacts of cotton linter pulp characteristics on the processivity of glycoside hydrolase family 5 endoglucanase from <i>Volvariella Volvacea</i> . <i>Cellulose</i> , 2021 , 28, 1947-1959	5.5	1
44	Heterologous synthesis of 4-ethylphenol in engineered <i>Escherichia coli</i> . <i>Process Biochemistry</i> , 2020 , 96, 157-164	4.8	1
43	Alkaline organosolv pretreatment of different sorghum stem parts for enhancing the total reducing sugar yields and -coumaric acid release. <i>Biotechnology for Biofuels</i> , 2020 , 13, 106	7.8	8
42	Highly Efficient Extraction of Ferulic Acid from Cereal Brans by a New Type A Feruloyl Esterase from <i>Eupenicillium parvum</i> in Combination with Dilute Phosphoric Acid Pretreatment. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 190, 1561-1578	3.2	7
41	Characterization of an L-Arabinose Isomerase from <i>Bacillus velezensis</i> and Its Application for L-Ribulose and L-Ribose Biosynthesis. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 192, 935-951	3.2	0
40	Characterization and functional analysis of two novel thermotolerant β -arabinofuranosidases belonging to glycoside hydrolase family 51 from <i>Thielavia terrestris</i> and family 62 from <i>Eupenicillium parvum</i> . <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 8719-8733	5.7	4
39	Direct Affinity-Immobilized Phenolic Acid Decarboxylase by a Linker Peptide on Zeolite for Efficient Bioconversion of Ferulic Acid into 4-Vinylguaiacol. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 14732-14742	8.3	6
38	Bioproduction of High-Concentration 4-Vinylguaiacol Using Whole-Cell Catalysis Harboring an Organic Solvent-Tolerant Phenolic Acid Decarboxylase From. <i>Frontiers in Microbiology</i> , 2019 , 10, 1798	5.7	14
37	Functional Autodisplay of Phenolic Acid Decarboxylase using a GDSL Autotransporter on <i>Escherichia coli</i> for Efficient Catalysis of 4-Hydroxycinnamic Acids to Vinylphenol Derivatives. <i>Catalysts</i> , 2019 , 9, 634	4	3
36	Expression and Characterization of Carotenoid Cleavage Oxygenases From and Capable of Biotransforming Isoeugenol and 4-Vinylguaiacol to Vanillin. <i>Frontiers in Microbiology</i> , 2019 , 10, 1869	5.7	3

35	Expression and characterization of two glucuronoyl esterases from <i>Thielavia terrestris</i> and their application in enzymatic hydrolysis of corn bran. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 3037-3048 ⁹	5.7	9
34	Characterization of a D-lyxose isomerase from <i>Bacillus velezensis</i> and its application for the production of D-mannose and L-ribose. <i>AMB Express</i> , 2019 , 9, 149	4.1	8
33	Efficient enzymatic degradation of poly (ε-caprolactone) by an engineered bifunctional lipase-cutinase. <i>Polymer Degradation and Stability</i> , 2019 , 160, 120-125	4.7	27
32	Comprehensive evaluation of combining hydrothermal pretreatment (autohydrolysis) with enzymatic hydrolysis for efficient release of monosaccharides and ferulic acid from corn bran. <i>Industrial Crops and Products</i> , 2018 , 113, 348-357	5.9	23
31	Highly efficient transformation of a (hemi-)cellulases-producing fungus <i>Eupenicillium parvum</i> 4-14 by <i>Agrobacterium tumefaciens</i> . <i>Journal of Microbiological Methods</i> , 2018 , 146, 40-45	2.8	7
30	Heterologous expression of two <i>Aspergillus niger</i> feruloyl esterases in <i>Trichoderma reesei</i> for the production of ferulic acid from wheat bran. <i>Bioprocess and Biosystems Engineering</i> , 2018 , 41, 593-601	3.7	23
29	High cell-density cultivation of phenolic acid decarboxylase-expressing <i>Escherichia coli</i> and 4-vinylguaiacol bioproduction from ferulic acid by whole-cell catalysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 2415-2421	3.5	15
28	Characterization of Two New Endo-β _{1,4} -xylanases from <i>Eupenicillium parvum</i> 4-14 and Their Applications for Production of Feruloylated Oligosaccharides. <i>Applied Biochemistry and Biotechnology</i> , 2018 , 186, 816-833	3.2	13
27	Characterization of a cutinase from <i>Myceliophthora thermophila</i> and its application in polyester hydrolysis and deinking process. <i>Process Biochemistry</i> , 2018 , 66, 106-112	4.8	9
26	Altering the linker in processive GH5 endoglucanase 1 modulates lignin binding and catalytic properties. <i>Biotechnology for Biofuels</i> , 2018 , 11, 332	7.8	6
25	Expression and characterization of a 9-cis-epoxycarotenoid dioxygenase from sp. ATCC 39006 capable of biotransforming isoeugenol and 4-vinylguaiacol to vanillin. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2018 , 18, e00253	5.3	4
24	Characterization of a thermo-alkali-stable laccase from <i>Bacillus subtilis</i> cjp3 and its application in dyes decolorization. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017 , 52, 710-717	2.3	20
23	Cellobiose dehydrogenase from <i>Volvariella volvacea</i> and its effect on the saccharification of cellulose. <i>Process Biochemistry</i> , 2017 , 60, 52-58	4.8	9
22	The Enzymatic Deinking of Waste Papers by Engineered Bifunctional Chimeric Neutral Lipase β Endoglucanase. <i>BioResources</i> , 2017 , 12,	1.3	9
21	Characterization of the Wild-Type and Truncated Forms of a Neutral GH10 Xylanase from : Roles of C-Terminal Basic Amino Acid-Rich Extension in Its SDS Resistance, Thermostability, and Activity. <i>Journal of Microbiology and Biotechnology</i> , 2017 , 27, 775-784	3.3	1
20	Extra carbohydrate binding module contributes to the processivity and catalytic activity of a non-modular hydrolase family 5 endoglucanase from <i>Fomitiporia mediterranea</i> MF3/22. <i>Enzyme and Microbial Technology</i> , 2016 , 91, 42-51	3.8	10
19	Comparison of alkali treatments for efficient release of p-coumaric acid and enzymatic saccharification of sorghum pith. <i>Bioresource Technology</i> , 2016 , 207, 1-10	11	26
18	Replacement of carbohydrate binding modules improves acetyl xylan esterase activity and its synergistic hydrolysis of different substrates with xylanase. <i>BMC Biotechnology</i> , 2016 , 16, 73	3.5	9

17	N- and C-terminal truncations of a GH10 xylanase significantly increase its activity and thermostability but decrease its SDS resistance. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 3555-3565	5.7	14
16	The chitinase C gene PsChiC from <i>Pseudomonas</i> sp. and its synergistic effects on larvicidal activity. <i>Genetics and Molecular Biology</i> , 2015 , 38, 366-72	2	17
15	An organic solvent-tolerant phenolic acid decarboxylase from <i>Bacillus licheniformis</i> for the efficient bioconversion of hydroxycinnamic acids to vinyl phenol derivatives. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 5071-81	5.7	32
14	Biochemical characteristics of an alkaline pectate lyase PelA from <i>Volvariella volvacea</i> : roles of the highly conserved N-glycosylation site in its secretion and activity. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 3447-58	5.7	10
13	Engineering the expression and characterization of two novel laccase isoenzymes from <i>Coprinus comatus</i> in <i>Pichia pastoris</i> by fusing an additional ten amino acids tag at N-terminus. <i>PLoS ONE</i> , 2014 , 9, e93912	3.7	37
12	Heterologous expression and characterization of a novel laccase isoenzyme with dyes decolorization potential from <i>Coprinus comatus</i> . <i>Molecular Biology Reports</i> , 2013 , 40, 1927-36	2.8	23
11	A novel neutral xylanase with high SDS resistance from <i>Volvariella volvacea</i> : characterization and its synergistic hydrolysis of wheat bran with acetyl xylan esterase. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013 , 40, 1083-93	4.2	17
10	Decolorization of synthetic dyes by crude and purified laccases from <i>Coprinus comatus</i> grown under different cultures: the role of major isoenzyme in dyes decolorization. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 169, 660-72	3.2	18
9	Processivity and enzymatic mode of a glycoside hydrolase family 5 endoglucanase from <i>Volvariella volvacea</i> . <i>Applied and Environmental Microbiology</i> , 2013 , 79, 989-96	4.8	52
8	A combined approach for improving alkaline acetyl xylan esterase production in <i>Pichia pastoris</i> , and effects of glycosylation on enzyme secretion, activity and stability. <i>Protein Expression and Purification</i> , 2012 , 85, 44-50	2	12
7	Comparison of endoglucanase-1 (EG1) induction in the edible straw mushroom <i>Volvariella volvacea</i> by lactose and/or cellobiose with or without added sorbose. <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 1939-46	5.7	5
6	Effect of Cu ²⁺ , Mn ²⁺ and aromatic compounds on the production of laccase isoforms by <i>Coprinus comatus</i> . <i>Mycoscience</i> , 2010 , 51, 68-74	1.2	16
5	Molecular characterization of a new acetyl xylan esterase (AXEII) from edible straw mushroom <i>Volvariella volvacea</i> with both de-O-acetylation and de-N-acetylation activity. <i>FEMS Microbiology Letters</i> , 2009 , 295, 50-6	2.9	7
4	Molecular cloning, and characterization of a modular acetyl xylan esterase from the edible straw mushroom <i>Volvariella volvacea</i> . <i>FEMS Microbiology Letters</i> , 2007 , 274, 304-10	2.9	16
3	Comparative characterization of a recombinant <i>Volvariella volvacea</i> endoglucanase I (EG1) with its truncated catalytic core (EG1-CM), and their impact on the bio-treatment of cellulose-based fabrics. <i>Journal of Biotechnology</i> , 2007 , 130, 364-9	3.7	12
2	Molecular cloning and transcriptional expression analysis of an intracellular beta-glucosidase, a family 3 glycosyl hydrolase, from the edible straw mushroom, <i>Volvariella volvacea</i> . <i>FEMS Microbiology Letters</i> , 2007 , 267, 221-9	2.9	17
1	Cloning of multiple cellulase cDNAs from <i>Volvariella volvacea</i> and their differential expression during substrate colonization and fruiting. <i>FEMS Microbiology Letters</i> , 2006 , 263, 207-13	2.9	24