

Zhihong Xin

List of Publications by Year in descending order

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36
papers

1,370
citations

430874

18
h-index

345221

36
g-index

38
all docs

38
docs citations

38
times ranked

2075
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and Characterization of a Novel Carboxylesterase Belonging to Family VIII with Promiscuous Acyltransferase Activity Toward Cyanidin-3-O-Glucoside from a Soil Metagenomic Library. <i>Applied Biochemistry and Biotechnology</i> , 2023, 195, 2432-2450.	2.9	4
2	Ultrasound-assisted extraction of bound phenolic compounds from the residue of <i>Apocynum venetum</i> tea and their antioxidant activities. <i>Food Bioscience</i> , 2022, 47, 101646.	4.4	8
3	Enhancing the activity and thermal stability of a phthalate-degrading hydrolase by random mutagenesis. <i>Ecotoxicology and Environmental Safety</i> , 2021, 209, 111795.	6.0	15
4	Identification and characterization of a novel carboxylesterase EstQ7 from a soil metagenomic library. <i>Archives of Microbiology</i> , 2021, 203, 4113-4125.	2.2	4
5	Extraction, isolation, characterization and antimicrobial activities of non-extractable polyphenols from pomegranate peel. <i>Food Chemistry</i> , 2021, 351, 129232.	8.2	35
6	Characterization of a novel carboxylesterase with catalytic activity toward di(2-ethylhexyl) phthalate from a soil metagenomic library. <i>Science of the Total Environment</i> , 2021, 785, 147260.	8.0	9
7	Identification and characterization of a novel phthalate-degrading hydrolase from a soil metagenomic library. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110148.	6.0	31
8	Characterization of XtjR8: A novel esterase with phthalate-hydrolyzing activity from a metagenomic library of lotus pond sludge. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 1510-1518.	7.5	14
9	Mining New Plipastatins and Increasing the Total Yield Using CRISPR/Cas9 in Genome-Modified <i>Bacillus subtilis</i> 1A751. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 11358-11367.	5.2	10
10	Identification of a Novel Feruloyl Esterase by Functional Screening of a Soil Metagenomic Library. <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 424-437.	2.9	12
11	A Novel VIII Carboxylesterase with High Hydrolytic Activity Against Ampicillin from a Soil Metagenomic Library. <i>Molecular Biotechnology</i> , 2019, 61, 892-904.	2.4	10
12	Molecular cloning, expression and characterization of a novel feruloyl esterase from a soil metagenomic library with phthalate-degrading activity. <i>Biotechnology Letters</i> , 2019, 41, 995-1006.	2.2	20
13	A Loop-Mediated Isothermal Amplification Integrated G-Quadruplex Molecular Beacon (LAMP-GMB) Method for the Detection of <i>Staphylococcus aureus</i> in Food. <i>Food Analytical Methods</i> , 2019, 12, 422-430.	2.6	8
14	Engineering nanomaterials-based biosensors for food safety detection. <i>Biosensors and Bioelectronics</i> , 2018, 106, 122-128.	10.1	253
15	An aptasensor for <i>staphylococcus aureus</i> based on nicking enzyme amplification reaction and rolling circle amplification. <i>Analytical Biochemistry</i> , 2018, 549, 136-142.	2.4	32
16	Clone of plipastatin biosynthetic gene cluster by transformation-associated recombination technique and high efficient expression in model organism <i>Bacillus subtilis</i> . <i>Journal of Biotechnology</i> , 2018, 288, 1-8.	3.8	18
17	Isolation, characterization and antimicrobial activities of polyacetylene glycosides from <i>Coreopsis tinctoria</i> Nutt.. <i>Phytochemistry</i> , 2017, 136, 65-69.	2.9	21
18	Pencitrin and pencitrinol, two new citrinin derivatives from an endophytic fungus <i>Penicillium citrinum</i> salicorn 46. <i>Phytochemistry Letters</i> , 2017, 22, 229-234.	1.2	18

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19	Comparative genomic analysis of isoproturonâ€mineralizing sphingomonads reveals the isoproturon catabolic mechanism. <i>Environmental Microbiology</i> , 2016, 18, 4888-4906.	3.8	39
20	Tafuketide, a phylogeny-guided discovery of a new polyketide from <i>Talaromyces funiculosus</i> Salicorn 58. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 5323-5338.	3.6	26
21	New Phenolic Compounds from <i>Coreopsis tinctoria</i> Nutt. and Their Antioxidant and Angiotensin I-Converting Enzyme Inhibitory Activities. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 200-207.	5.2	67
22	Isolation and identification of bound compounds from corn bran and their antioxidant and angiotensin I-converting enzyme inhibitory activities. <i>European Food Research and Technology</i> , 2015, 241, 37-47.	3.3	14
23	Fusartricin, a sesquiterpenoid ether produced by an endophytic fungus <i>Fusarium tricinctum</i> Salicorn 19. <i>European Food Research and Technology</i> , 2015, 240, 805-814.	3.3	19
24	Isolation, identification and antioxidant activity of bound phenolic compounds present in rice bran. <i>Food Chemistry</i> , 2015, 171, 40-49.	8.2	111
25	Cytotoxicity and apoptotic effects of tea polyphenol-loaded chitosan nanoparticles on human hepatoma HepG2 cells. <i>Materials Science and Engineering C</i> , 2014, 36, 7-13.	7.3	30
26	The individual lipid compositions produced by <i>Cunninghamella</i> sp. Salicorn 5, an endophytic oleaginous fungus from <i>Salicornia bigelovii</i> Torr.. <i>European Food Research and Technology</i> , 2014, 238, 621-633.	3.3	9
27	A PKS I gene-based screening approach for the discovery of a new polyketide from <i>Penicillium citrinum</i> Salicorn 46. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 4875-4885.	3.6	18
28	A new glucitol from an endophytic fungus <i>Fusarium equiseti</i> Salicorn 8. <i>European Food Research and Technology</i> , 2014, 239, 365-376.	3.3	22
29	Two new noroleanane-type triterpene saponins from the methanol extract of <i>Salicornia herbacea</i> . <i>Food Chemistry</i> , 2014, 151, 101-109.	8.2	32
30	New Screw Lactam and Two New Carbohydrate Derivatives from the Methanol Extract of Rice Bran. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 10744-10751.	5.2	5
31	New rubrolides from the marine-derived fungus <i>Aspergillus terreus</i> OUCMDZ-1925. <i>Journal of Antibiotics</i> , 2014, 67, 315-318.	2.0	49
32	Changes in non-volatile taste components of button mushroom (<i>Agaricus bisporus</i>) during different stages of freeze drying and freeze drying combined with microwave vacuum drying. <i>Food Chemistry</i> , 2014, 165, 547-554.	8.2	128
33	Pentadecyl ferulate, a potent antioxidant and antiproliferative agent from the halophyte <i>Salicornia herbacea</i> . <i>Food Chemistry</i> , 2013, 141, 2066-2074.	8.2	49
34	Effect of nanocompositeâ€based packaging on preservation quality of green tea. <i>International Journal of Food Science and Technology</i> , 2012, 47, 572-578.	2.7	20
35	Response surface methodology in the optimization of tea polyphenols-loaded chitosan nanoclusters formulations. <i>European Food Research and Technology</i> , 2010, 231, 917-924.	3.3	24
36	Isolation and characterisation of collagens from the skin, scale and bone of deep-sea redfish (<i>Sebastes mentella</i>). <i>Food Chemistry</i> , 2008, 108, 616-623.	8.2	185