Zhihong Xin

List of Publications by Year
in descending order

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36	1,370	430874	345221
papers	citations	18 h-index	36 g-index

38	38	38	2075
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Engineering nanomaterials-based biosensors for food safety detection. Biosensors and Bioelectronics, 2018, 106, 122-128.	10.1	253
2	Isolation and characterisation of collagens from the skin, scale and bone of deep-sea redfish (Sebastes mentella). Food Chemistry, 2008, 108, 616-623.	8.2	185
3	Changes in non-volatile taste components of button mushroom (Agaricus bisporus) during different stages of freeze drying and freeze drying combined with microwave vacuum drying. Food Chemistry, 2014, 165, 547-554.	8.2	128
4	Isolation, identification and antioxidant activity of bound phenolic compounds present in rice bran. Food Chemistry, 2015, 171, 40-49.	8.2	111
5	New Phenolic Compounds from Coreopsis tinctoria Nutt. and Their Antioxidant and Angiotensin I-Converting Enzyme Inhibitory Activities. Journal of Agricultural and Food Chemistry, 2015, 63, 200-207.	5.2	67
6	Pentadecyl ferulate, a potent antioxidant and antiproliferative agent from the halophyte Salicornia herbacea. Food Chemistry, 2013, 141, 2066-2074.	8.2	49
7	New rubrolides from the marine-derived fungus Aspergillus terreus OUCMDZ-1925. Journal of Antibiotics, 2014, 67, 315-318.	2.0	49
8	Comparative genomic analysis of isoproturonâ€mineralizing sphingomonads reveals the isoproturon catabolic mechanism. Environmental Microbiology, 2016, 18, 4888-4906.	3.8	39
9	Extraction, isolation, characterization and antimicrobial activities of non-extractable polyphenols from pomegranate peel. Food Chemistry, 2021, 351, 129232.	8.2	35
10	Two new noroleanane-type triterpene saponins from the methanol extract of Salicornia herbacea. Food Chemistry, 2014, 151, 101-109.	8.2	32
11	An aptasensor for staphylococcus aureus based on nicking enzyme amplification reaction and rolling circle amplification. Analytical Biochemistry, 2018, 549, 136-142.	2.4	32
12	Identification and characterization of a novel phthalate-degrading hydrolase from a soil metagenomic library. Ecotoxicology and Environmental Safety, 2020, 190, 110148.	6.0	31
13	Cytotoxicity and apoptotic effects of tea polyphenol-loaded chitosan nanoparticles on human hepatoma HepG2 cells. Materials Science and Engineering C, 2014, 36, 7-13.	7.3	30
14	Tafuketide, a phylogeny-guided discovery of a new polyketide from Talaromyces funiculosus Salicorn 58. Applied Microbiology and Biotechnology, 2016, 100, 5323-5338.	3.6	26
15	Response surface methodology in the optimization of tea polyphenols-loaded chitosan nanoclusters formulations. European Food Research and Technology, 2010, 231, 917-924.	3.3	24
16	A new glucitol from an endophytic fungus Fusarium equiseti Salicorn 8. European Food Research and Technology, 2014, 239, 365-376.	3.3	22
17	Isolation, characterization and antimicrobial activities of polyacetylene glycosides from Coreopsis tinctoria Nutt.. Phytochemistry, 2017, 136, 65-69.	2.9	21
18	Effect of nanocompositeâ€based packaging on preservation quality of green tea. International Journal of Food Science and Technology, 2012, 47, 572-578.	2.7	20

#	ARTICLE	IF	CITATIONS
19	Molecular cloning, expression and characterization of a novel feruloyl esterase from a soil metagenomic library with phthalate-degrading activity. Biotechnology Letters, 2019, 41, 995-1006.	2.2	20
20	Fusartricin, a sesquiterpenoid ether produced by an endophytic fungus Fusarium tricinctum Salicorn 19. European Food Research and Technology, 2015, 240, 805-814.	3.3	19
21	A PKS I gene-based screening approach for the discovery of a new polyketide from Penicillium citrinum Salicorn 46. Applied Microbiology and Biotechnology, 2014, 98, 4875-4885.	3.6	18
22	Pencitrin and pencitrinol, two new citrinin derivatives from an endophytic fungus Penicillium citrinum salicorn 46. Phytochemistry Letters, 2017, 22, 229-234.	1.2	18
23	Clone of plipastatin biosynthetic gene cluster by transformation-associated recombination technique and high efficient expression in model organism Bacillus subtilis. Journal of Biotechnology, 2018, 288, 1-8.	3.8	18
24	Enhancing the activity and thermal stability of a phthalate-degrading hydrolase by random mutagenesis. Ecotoxicology and Environmental Safety, 2021, 209, 111795.	6.0	15
25	Isolation and identification of bound compounds from corn bran and their antioxidant and angiotensin I-converting enzyme inhibitory activities. European Food Research and Technology, 2015, 241, 37-47.	3.3	14
26	Characterization of XtjR8: A novel esterase with phthalate-hydrolyzing activity from a metagenomic library of lotus pond sludge. International Journal of Biological Macromolecules, 2020, 164, 1510-1518.	7.5	14
27	Identification of a Novel Feruloyl Esterase by Functional Screening of a Soil Metagenomic Library. Applied Biochemistry and Biotechnology, 2019, 187, 424-437.	2.9	12
28	A Novel VIII Carboxylesterase with High Hydrolytic Activity Against Ampicillin from a Soil Metagenomic Library. Molecular Biotechnology, 2019, 61, 892-904.	2.4	10
29	Mining New Plipastatins and Increasing the Total Yield Using CRISPR/Cas9 in Genome-Modified Bacillus subtilis 1A751. Journal of Agricultural and Food Chemistry, 2020, 68, 11358-11367.	5.2	10
30	The individual lipid compositions produced by Cunninghamella sp. Salicorn 5, an endophytic oleaginous fungus from Salicornia bigelovii Torr.. European Food Research and Technology, 2014, 238, 621-633.	3.3	9
31	Characterization of a novel carboxylesterase with catalytic activity toward di(2-ethylhexyl) phthalate from a soil metagenomic library. Science of the Total Environment, 2021, 785, 147260.	8.0	9
32	A Loop-Mediated Isothermal Amplification Integrated G-Quadruplex Molecular Beacon (LAMP-GMB) Method for the Detection of Staphylococcus aureus in Food. Food Analytical Methods, 2019, 12, 422-430.	2.6	8
33	Ultrasound-assisted extraction of bound phenolic compounds from the residue of Apocynum venetum tea and their antioxidant activities. Food Bioscience, 2022, 47, 101646.	4.4	8
34	New Screw Lactam and Two New Carbohydrate Derivatives from the Methanol Extract of Rice Bran. Journal of Agricultural and Food Chemistry, 2014, 62, 10744-10751.	5.2	5
35	Identification and characterization of a novel carboxylesterase EstQ7 from a soil metagenomic library. Archives of Microbiology, 2021, 203, 4113-4125.	2.2	4
36	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. Applied Biochemistry and Biotechnology, 2023, 195, 2432-2450.	2.9	4