Dan Zhao

List of Publications by Year
in descending order

55 papers	888 citations	516710 16 h-index	501196 28 g-index
55 all docs	55 docs citations	55 times ranked	1162 citing authors

#	Article	IF	Citations
1	In situ deposited hierarchical CuO/NiO nanowall arrays film sensor with enhanced gas sensing performance to H2S. Journal of Hazardous Materials, 2020, 385, 121570.	12.4	140
2	A graphene quantum dots based electrochemiluminescence immunosensor for carcinoembryonic antigen detection using poly(5-formylindole)/reduced graphene oxide nanocomposite. Biosensors and Bioelectronics, 2018, 101, 123-128.	10.1	99
3	Characterisation of a Novel White Laccase from the Deuteromycete Fungus Myrothecium verrucaria NF-05 and Its Decolourisation of Dyes. PLoS ONE, 2012, 7, e38817.	2.5	53
4	Purification and characterization of an exopolysaccharide from Leuconostoc lactis L2. International Journal of Biological Macromolecules, 2019, 139, 1224-1231.	7.5	41
5	Methanol/Oxygen Enzymatic Biofuel Cell Using Laccase and NAD⁺-Dependent Dehydrogenase Cascades as Biocatalysts on Carbon Nanodots Electrodes. ACS Applied Materials & Interfaces, 2017, 9, 40978-40986.	8.0	39
6	Î±-Pyrone derivatives with cytotoxic activities, from the endophytic fungus Phoma sp. YN02-P-3. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3723-3725.	2.2	37
7	Electrochemical immunosensor for the carcinoembryonic antigen based on a nanocompositeÂconsisting of reduced graphene oxide, gold nanoparticles and poly(indole-6-carboxylic) Tj ETQq1 1 0.784314 rgBT /Ov		
8	Fertilizer and pesticide reduction in cherry tomato production to achieve multiple environmental benefits in Guangxi, China. Science of the Total Environment, 2021, 793, 148527.	8.0	31
9	Characterization of exopolysaccharides produced by Weissella confusa XG-3 and their potential biotechnological applications. International Journal of Biological Macromolecules, 2021, 178, 306-315.	7.5	26
10	Phylogeography of the Rock Shell Thais clavigera (Mollusca): Evidence for Long-Distance Dispersal in the Northwestern Pacific. PLoS ONE, 2015, 10, e0129715.	2.5	23
11	Lactobacillus casei starter culture improves vitamin content, increases acidity and decreases nitrite concentration during sauerkraut fermentation. International Journal of Food Science and Technology, 2018, 53, 1925-1931.	2.7	23
12	Bacterial diversity and community structure during fermentation of Chinese sauerkraut with Lactobacillus casei 11MZ-5-1 by Illumina Miseq sequencing. Letters in Applied Microbiology, 2018, 66, 55-62.	2.2	23
13	Bacterial succession and metabolite changes during flax (Linum usitatissimum L.) retting with Bacillus cereus HDYM-02. Scientific Reports, 2016, 6, 31812.	3.3	22
14	Optimization production of exopolysaccharide from Leuconostoc lactis L2 and its partial characterization. International Journal of Biological Macromolecules, 2020, 159, 630-639.	7.5	22
15	Construction of a framework map for Pinus koraiensis Sieb. et Zucc. using SRAP, SSR and ISSR markers. Trees - Structure and Function, 2010, 24, 685-693.	1.9	18
16	Purification, biochemical and secondary structural characterisation of Î²-mannanase from Lactobacillus casei HDS-01 and juice clarification potential. International Journal of Biological Macromolecules, 2020, 154, 826-834.	7.5	18
17	Purification, characterization and partial biological activities of exopolysaccharide produced by Saccharomyces cerevisiae Y3. International Journal of Biological Macromolecules, 2022, 206, 777-787.	7.5	17
18	C 21 steroidal glycosides from the roots of Cynanchum paniculatum. FÃ¬toterapÃ¬Ã¢, 2016, 113, 51-57.	2.2	16

#	Article	IF	Citations
19	Impact of <i>Lactobacillus paracasei</i> HD1.7 as a Starter Culture on Characteristics of Fermented Chinese Cabbage (<i>Brassica rapa</i> var. <i>pekinensis</i>). Food Science and Technology Research, 2016, 22, 325-330.	0.6	15
20	The response surface optimization of exopolysaccharide produced by Weissella confusa XG-3 and its rheological property. Preparative Biochemistry and Biotechnology, 2020, 50, 1014-1022.	1.9	14
21	Bio-chemical characterization of a Î²-mannanase from Bacillus licheniformis HDYM-04 isolated from flax water-retting liquid and its decolorization ability of dyes. RSC Advances, 2016, 6, 23612-23621.	3.6	13
22	Ionic liquid([C12mim][PF6])-assisted synthesis of TiO2 /Ti2O (PO4)2 nanosheets and the chemoresistive gas sensing of trimethylamine. Mikrochimica Acta, 2021, 188, 74.	5.0	13
23	Flax retting by degumming composite enzyme produced by Bacillus licheniformis HDYM-04 and effect on fiber properties. Journal of the Textile Institute, 2017, 108, 507-510.	1.9	12
24	The response surface optimization of Î²-mannanase produced by Lactobacillus casei HDS-01 and its potential in juice clarification. Preparative Biochemistry and Biotechnology, 2019, 49, 202-207.	1.9	11
25	Induction of a white laccase from the deuteromyceteMyrothecium verrucariaNF-05 and its potential in decolorization of dyes. Biocatalysis and Biotransformation, 2014, 32, 214-221.	2.0	9
26	Two pairs of enantiomeric Î±-pyrone dimers from the endophytic fungus Phoma sp. YN02-P-3. RSC Advances, 2017, 7, 1943-1946.	3.6	9
27	Lactobacillus paracasei HD1.7 used as a starter modulates the bacterial community and metabolome profile during fermentation of Chinese cabbage. Letters in Applied Microbiology, 2018, 67, 411-419.	2.2	8
28	Production of Pectinolytic Enzymes by Two Bacillus spp. Strains and Their Application in Flax Degumming. Transactions of Tianjin University, 2019, 25, 413-419.	6.4	8
29	Kinetic study of a Î²-mannanase from the Bacillus licheniformis HDYM-04 and its decolorization ability of twenty-two structurally different dyes. SpringerPlus, 2016, 5, 1824.	1.2	6
30	Three new amino acid derivatives from edible mushroom Pleurotus ostreatus. Journal of Asian Natural Products Research, 2017, 19, 1160-1171.	1.4	6
31	One pair of new cyclopentaisochromenone enantiomer from Alternaria sp. TNXY-P-1 and their cytotoxic activity. Journal of Asian Natural Products Research, 2018, 20, 328-336.	1.4	6
32	Iron-Pillared Montmorillonite As An Inexpensive Catalyst For 2-Nitrophenol Reduction. Clays and Clay Minerals, 2018, 66, 415-425.	1.3	6
33	Shell variations in the gastropod,Monodonta labio, in the North-western Pacific: the important role of temperature in the evolution process. Journal of the Marine Biological Association of the United Kingdom, 2019, 99, 1591-1599.	0.8	6
34	Ohmic Contact of Pt/Au on Hydrogen-Terminated Single Crystal Diamond. Coatings, 2019, 9, 539.	2.6	6
35	The response surface optimization of exopolysaccharide produced by Saccharomyces cerevisiae Y3 and its partial characterization. Preparative Biochemistry and Biotechnology, 2022, 52, 566-577.	1.9	6
36	Study on the Matching Method of Agricultural Water and Land Resources from the Perspective of Total Water Footprint. Water (Switzerland), 2022, 14, 1120.	2.7	5

#	Article	IF	Citations
37	Genetic regulation of lateral root development. Plant Signaling and Behavior, 2023, 18, .	2.4	5
38	Synthesis of novel s-triazine/carbazole based bipolar molecules and their application in phosphorescent OLEDs. Journal of Materials Science: Materials in Electronics, 2015, 26, 6563-6571.	2.2	4
39	Preparation of toughened polypropyleneâ€‹gâ€‹poly(butyl acrylateâ€‹coâ€‹acrylated castor oil) by suspension grafting polymerization. Polymer Engineering and Science, 2018, 58, 86-93.	3.1	4
40	Two new C21 steroidal glycosides isolated from Cynanchum komarovii. Chinese Journal of Natural Medicines, 2018, 16, 610-614.	1.3	4
41	Fabrication of Dual-Barrier Planar Structure Diamond Schottky Diodes by Rapid Thermal Annealing. IEEE Transactions on Electron Devices, 2021, 68, 1176-1180.	3.0	4
42	Study on Mating System of <i>Pinus koraiensis</i> in Natural Population Based on cpSSR Technology. Advanced Materials Research, 0, 183-185, 700-704.	0.3	3
43	Ultraviolet light triggers the conversion of Cu2+-bound AÎ²42 aggregates into cytotoxic species in a copper chelation-independent manner. Scientific Reports, 2015, 5, 13897.	3.3	3
44	Nanocone Structures Enhancing Nitrogen-Vacancy Center Emissions in Diamonds. Coatings, 2020, 10, 513.	2.6	3
45	A highly selective and sensitive upconversion nanoprobe for monitoring hydroxyl radicals in living cells and the liver. Science China Life Sciences, 2021, 64, 434-442.	4.9	3
46	Ablation of KDM2A Inhibits Preadipocyte Proliferation and Promotes Adipogenic Differentiation. International Journal of Molecular Sciences, 2021, 22, 9759.	4.1	2
47	Five New Terpenes with Cytotoxic Activity from Pestalotiopsis sp.. Molecules, 2021, 26, 7229.	3.8	2
48	The response surface optimization of Î²-mannanase produced by Weissella cibaria F1 and its potential in juice clarification. Preparative Biochemistry and Biotechnology, 2022, 52, 1151-1159.	1.9	2
49	Measurement of Agricultural Water and Land Resource System Vulnerability with Random Forest Model Implied by the Seagull Optimization Algorithm. Water (Switzerland), 2022, 14, 1575.	2.7	2
50	Mating system patterns of natural populations of Pinus koraiensis along its post-glacial colonization route in northeastern China. Genetics and Molecular Research, 2015, 14, 4113-4124.	0.2	1
51	Amygdala-based Functional Network Reveals Dissociated Neural Correlates of Consensual and Idiosyncratic Emotional Movie Experiences. Neuroscience Bulletin, 2021, 37, 729-734.	2.9	1
52	Actaticas Aâ€“G, Cycloartane Triterpenes From Actaea asiatica With Their Antiproliferative Activity. Frontiers in Chemistry, 2021, 9, 695456.	3.6	1
53	Molecular Species Delimitation of the Genus Reishia (Mollusca: Gastropoda) along the Coasts of China and Korea. Zoological Science, 2020, 37, 382.	0.7	1
54	Development of <i>Pinus koraiensis</i> SSR Primers Based on EST-SSR Information Technology. Advanced Materials Research, 0, 183-185, 259-266.	0.3	0

#	Article	IF	Citations
55	Establishment of a subcutaneous adipogenesis model and distinct roles of LKB1 regulation on adipocyte lipid accumulation in high-altitude Bos grunniens. Journal of Applied Animal Research, 2022, 50, 167-176.	1.2	0