Qian Wu

List of Publications by Year
in descending order

76 papers	1,477 citations	361413 20 h-index	395702 33 g-index
78 all docs	78 docs citations	78 times ranked	1853 citing authors

#	Article	IF	Citations
1	A Superhydrophobic Surface Templated by Protein Selfâ€Assembly and Emerging Application toward Protein Crystallization. Advanced Materials, 2016, 28, 579-587.	21.0	136
2	Phaseâ€Transited Lysozyme as a Universal Route to Bioactive Hydroxyapatite Crystalline Film. Advanced Functional Materials, 2018, 28, 1704476.	14.9	102
3	Concentration-dependent color tunability of nitrogen-doped carbon dots and their application for iron(III) detection and multicolor bioimaging. Journal of Colloid and Interface Science, 2018, 521, 33-41.	9.4	92
4	Oligomeric procyanidins of lotus seedpod inhibits the formation of advanced glycation end-products by scavenging reactive carbonyls. Food Chemistry, 2013, 138, 1493-1502.	8.2	60
5	Structure-activity relationship of procyanidins on advanced glycation end products formation and corresponding mechanisms. Food Chemistry, 2019, 272, 679-687.	8.2	53
6	Necklace-like Molecularly Imprinted Nanohybrids Based on Polymeric Nanoparticles Decorated Multiwalled Carbon Nanotubes for Highly Sensitive and Selective Melamine Detection. ACS Applied Materials & Interfaces, 2018, 10, 24850-24859.	8.0	44
7	Inhibition of Advanced Glycation Endproduct Formation by Lotus Seedpod Oligomeric Procyanidins through RAGEâ€“MAPK Signaling and NF-Î¹B Activation in High-Fat-Diet Rats. Journal of Agricultural and Food Chemistry, 2015, 63, 6989-6998.	5.2	43
8	Fragmentation study of iridoid glycosides and phenylpropanoid glycosides in Radix Scrophulariae by rapid resolution liquid chromatography with diodeâ€array detection and electrospray ionization timeâ€ofâ€flight mass spectrometry. Biomedical Chromatography, 2010, 24, 808-819.	1.7	40
9	Attenuated mTOR Signaling and Enhanced Glucose Homeostasis by Dietary Supplementation with Lotus Seedpod Oligomeric Procyanidins in Streptozotocin (STZ)-Induced Diabetic Mice. Journal of Agricultural and Food Chemistry, 2017, 65, 3801-3810.	5.2	37
10	Lactobacillus casei-01 Facilitates the Ameliorative Effects of Proanthocyanidins Extracted from Lotus Seedpod on Learning and Memory Impairment in Scopolamine-Induced Amnesia Mice. PLoS ONE, 2014, 9, e112773.	2.5	33
11	Proteome and calcium-related gene expression in Pinus massoniana needles in response to acid rain under different calcium levels. Plant and Soil, 2014, 380, 285-303.	3.7	31
12	A Significant Inhibitory Effect on Advanced Glycation End Product Formation by Catechin as the Major Metabolite of Lotus Seedpod Oligomeric Procyanidins. Nutrients, 2014, 6, 3230-3244.	4.1	29
13	Characterization of two glycoside hydrolase family 36 Î±-galactosidases: Novel transglycosylation activity, leadâ€“zinc tolerance, alkaline and multiple pH optima, and low-temperature activity. Food Chemistry, 2016, 194, 156-166.	8.2	29
14	Hierarchical 0D-2D bio-composite film based on enzyme-loaded polymeric nanoparticles decorating graphene nanosheets as a high-performance bio-sensing platform. Biosensors and Bioelectronics, 2020, 156, 112134.	10.1	25
15	Protection of Tong-Qiao-Huo-Xue Decoction against Cerebral Ischemic Injury through Reduction Bloodâ€“Brain Barrier Permeability. Chemical and Pharmaceutical Bulletin, 2017, 65, 1004-1010.	1.3	24
16	Polar-Spatial Feature Fusion Learning With Variational Generative-Discriminative Network for PolSAR Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8914-8927.	6.3	24
17	Characterization of a novel salt-, xylose- and alkali-tolerant GH43 bifunctional Î²-xylosidase/Î±-l-arabinofuranosidase from the gut bacterial genome. Journal of Bioscience and Bioengineering, 2019, 128, 429-437.	2.2	24
18	The inhibitory effect of the catechin structure on advanced glycation end product formation in alcoholic media. Food and Function, 2020, 11, 5396-5408.	4.6	23

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19	Effects of different extraction methods on contents, profiles, and antioxidant abilities of free and bound phenolics of Sargassum polycystum from the South China Sea. Journal of Food Science, 2022, 87, 968-981.	3.1	23
20	Species-specific bioaccumulation and health risk assessment of heavy metal in seaweeds in tropic coasts of South China Sea. Science of the Total Environment, 2022, 832, 155031.	8.0	23
21	Iterative mining of resource-releasing specifications. , 2011, , .		22
22	Characterization of a novel low-temperature-active, alkaline and sucrose-tolerant invertase. Scientific Reports, 2016, 6, 32081.	3.3	22
23	A Shinella Î²-N-acetylglucosaminidase of glycoside hydrolase family 20 displays novel biochemical and molecular characteristics. Extremophiles, 2017, 21, 699-709.	2.3	21
24	Liquid state fermentation vinegar enriched with catechin as an antiglycative food product. Food and Function, 2019, 10, 4877-4887.	4.6	21
25	Characterization of a NaCl-tolerant Î²-N-acetylglucosaminidase from Sphingobacterium sp. HWLB1. Extremophiles, 2016, 20, 547-557.	2.3	20
26	Catechin Inhibits the Release of Advanced Glycation End Products during Glycated Bovine Serum Albumin Digestion and Corresponding Mechanisms In Vitro. Journal of Agricultural and Food Chemistry, 2021, 69, 8807-8818.	5.2	20
27	Effect of catechin on dietary AGEs absorption and cytotoxicity in Caco-2 cells. Food Chemistry, 2021, 355, 129574.	8.2	20
28	Characterization of a Glycoside Hydrolase Family 27 Î±-Galactosidase from Pontibacter Reveals Its Novel Saltâ€“Protease Tolerance and Transglycosylation Activity. Journal of Agricultural and Food Chemistry, 2016, 64, 2315-2324.	5.2	19
29	Physical and oxidation stability of self-emulsifying krill oil-in-water emulsions. Food and Function, 2016, 7, 3590-3598.	4.6	18
30	Effect of lotus seedpod oligomeric procyanidins on AGEs formation in simulated gastrointestinal tract and cytotoxicity in Caco-2 cells. Food and Function, 2021, 12, 3527-3538.	4.6	18
31	Separation and Identification of Anthocyanins Extracted from Blueberry Wine Lees and Pigment Binding Properties toward Î²-Glucosidase. Journal of Agricultural and Food Chemistry, 2017, 65, 216-223.	5.2	17
32	Distinctive molecular and biochemical characteristics of a glycoside hydrolase family 20 Î²-N-acetylglucosaminidase and salt tolerance. BMC Biotechnology, 2017, 17, 37.	3.3	17
33	Catechin-iron as a new inhibitor to control advanced glycation end-products formation during vinegar storage. LWT - Food Science and Technology, 2019, 112, 108245.	5.2	17
34	Transcriptomic Analysis of Pichia pastoris (Komagataella phaffii) GS115 During Heterologous Protein Production Using a High-Cell-Density Fed-Batch Cultivation Strategy. Frontiers in Microbiology, 2020, 11, 463.	3.5	17
35	Effect of selenium supplements on the antioxidant activity and nitrite degradation of lactic acid bacteria. World Journal of Microbiology and Biotechnology, 2019, 35, 61.	3.6	16
36	An Approach to Merge Results of Multiple Static Analysis Tools (Short Paper). , 2008, , .		15

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37	Biochemical and structural properties of a low-temperature-active glycoside hydrolase family 43 Î²-xylosidase: Activity and instability at high neutral salt concentrations. Food Chemistry, 2019, 301, 125266.	8.2	15
38	Variational Learning of Mixture Wishart Model for PolSAR Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 141-154.	6.3	15
39	A novel surfactant-, NaCl-, and protease-tolerant Î²-mannanase from Bacillus sp. HJ14. Folia Microbiologica, 2016, 61, 233-242.	2.3	13
40	Biodegradation of Î»-cyhalothrin through cell surface display of bacterial carboxylesterase. Chemosphere, 2022, 289, 133130.	8.2	13
41	In vitro antioxidant activities of proanthocyanidins extracted from the lotus seedpod and ameliorative effects on learning and memory impairment in scopolamine-induced amnesia mice. Food Science and Biotechnology, 2015, 24, 1487-1494.	2.6	12
42	Comparative Proteomic Analysis Reveals the Effects of Exogenous Calcium against Acid Rain Stress in Liquidambar formosana Hance Leaves. Journal of Proteome Research, 2016, 15, 216-228.	3.7	12
43	A novel drug delivery system obtained from hydrophobic modified amphiphilic polymers by Maillard reaction. International Journal of Biological Macromolecules, 2020, 157, 146-150.	7.5	12
44	Interaction mechanism exploration of HEA derivatives as BACE1 inhibitors by in silico analysis. Molecular BioSystems, 2016, 12, 1151-1165.	2.9	11
45	Interaction of bisphenol A 3, 4-quinone metabolite with human hemoglobin, human serum albumin and cytochrome c inÂvitro. Chemosphere, 2019, 220, 930-936.	8.2	11
46	Inhibition of advanced glycation endproducts formation by lotus seedpod oligomeric procyanidins through RAGE-MAPK signaling and NF-Î²B activation in high-AGEs-diet mice. Food and Chemical Toxicology, 2021, 156, 112481.	3.6	11
47	Comparative study of the inhibitory effects of lotus seedpod oligomeric procyanidins on dietary AGE released from glycated casein during digestion. Food Research International, 2022, 152, 110912.	6.2	11
48	Improving the Thermostability of a Fungal GH11 Xylanase via Fusion of a Submodule (C2) from Hyperthermophilic CBM9_1-2. International Journal of Molecular Sciences, 2022, 23, 463.	4.1	11
49	An Effective Defect Detection and Warning Prioritization Approach for Resource Leaks. , 2012, , .		10
50	Analysis of distribution and pharmacokinetics of litchi pericarp procyanidins in rat plasma and organs by using liquid chromatographyâ€“tandem mass spectrometry. European Food Research and Technology, 2017, 243, 167-176.	3.3	9
51	Ethanol as an accelerator for the formation of advanced glycation end products in glucose-lysine solution. LWT - Food Science and Technology, 2020, 124, 109135.	5.2	9
52	An in vivo microdialysis measurement of harpagoside in rat blood and bile for predicting hepatobiliary excretion and its interaction with cyclosporin A and verapamil. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 751-756.	2.3	8
53	Anatomy of nasolacrimal canal in congenital nasolacrimal duct obstruction â€“ 18 cases retrospective study. Acta Ophthalmologica, 2015, 93, e404-5.	1.1	8
54	Genetic diversity of catechol 1,2-dioxygenase in the fecal microbial metagenome. Journal of Basic Microbiology, 2017, 57, 883-895.	3.3	8

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55	Removal of N-terminal tail changes the thermostability of the low-temperature-active exo-inulinase InuAGN25. Bioengineered, 2020, 11, 921-931.	3.2	8
56	Identification and Characterization of a New Alkaline SGNH Hydrolase from a Thermophilic Bacterium Bacillus sp. K91. Journal of Microbiology and Biotechnology, 2016, 26, 730-738.	2.1	8
57	Inhibition of Advanced Glycation End Products in Yogurt by Lotus Seedpod Oligomeric Procyanidin. Frontiers in Nutrition, 2021, 8, 781998.	3.7	7
58	Lactobacillus fermentum as a new inhibitor to control advanced glycation end-product formation during vinegar fermentation. Food Science and Human Wellness, 2022, 11, 1409-1418.	4.9	7
59	Combination of proanthocyanidins extracted from lotus seedpod and l-cysteine ameliorates memory impairment induced by alcohol and scopolamine in mice. European Food Research and Technology, 2013, 236, 671-679.	3.3	6
60	Preparation and electrochemical application of an <scp>AgNW</scp>/graphene/<scp>SU</scp>â€8 composite conductive photoresist. Journal of Applied Polymer Science, 2021, 138, 51205.	2.6	6
61	Photolithographic 3D microarray electrode-based high-performance non-enzymatic H2O2 sensor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 628, 127249.	4.7	6
62	A thermostable and alkaline GDSL-motif esterase from Bacillus sp. K91: crystallization and X-ray crystallographic analysis. Acta Crystallographica Section F, Structural Biology Communications, 2018, 74, 117-121.	0.8	5
63	Effects of Oligomeric Procyanidins From Lotus Seedpod on the Retrogradation Properties of Rice Starch. Frontiers in Nutrition, 2021, 8, 751627.	3.7	5
64	Endoscopic dacryocystorhinostomy to treat congenital nasolacrimal canal dysplasia: a retrospective analysis in 40 children. BMC Ophthalmology, 2019, 19, 244.	1.4	4
65	Improving low-temperature activity and thermostability of exo-inulinase InuAGN25 on the basis of increasing rigidity of the terminus and flexibility of the catalytic domain. Bioengineered, 2020, 11, 1233-1244.	3.2	4
66	Longitudinal Dynamic End Effect of Single-Sided Linear Induction Motor for Mediumâ€“Low Speed Maglev. Journal of Electrical Engineering and Technology, 2021, 16, 2109-2117.	2.0	4
67	Defending against Thermal Covert Channel Attacks by Task Migration in Many-core System. , 2021, , .		4
68	Tuning the hybridization bandgap by meta-molecules with in-unit interaction. Journal of Applied Physics, 2015, 118, .	2.5	2
69	Protein Selfâ€Assembly: A Superhydrophobic Surface Templated by Protein Selfâ€Assembly and Emerging Application toward Protein Crystallization (Adv. Mater. 3/2016). Advanced Materials, 2016, 28, 592-592.	21.0	2
70	Identification and characterization of an acetyl esterase from Paenibacillus sp. XW-6-66 and its novel function in 7-aminocephalosporanic acid deacetylation. Biotechnology Letters, 2019, 41, 1059-1065.	2.2	2
71	Lacrimal sac diverticulum presenting as a lower eyelid mass with a secreting fistula. Chinese Medical Journal, 2014, 127, 3359-60.	2.3	1
72	Role of glycated proteins in vivo: Enzymatic glycated proteins and non-enzymatic glycated proteins. Food Research International, 2022, 155, 111099.	6.2	1

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73	Virtual network embedding by node-splitting. , 2013, , .		0
74	A Research on Inductance Forcedly Absorbing Current to Reduce Stray Current in Metro. , 2021, , .		0
75	A systematic pan-cancer study demonstrates the oncogenic function of heterogeneous nuclear ribonucleoprotein C. Aging, 2022, 14, 2880-2901.	3.1	0
76	Liquid Chromatography-Mass Spectrometry Characterized Hydrolysate Fractions Possess Anticancer Activity In Vitro. Journal of Biobased Materials and Bioenergy, 2022, 16, 117-126.	0.3	0