

Xia Liu

List of Publications by Year in descending order

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46
papers

1,391
citations

394286

19
h-index

345118

36
g-index

46
all docs

46
docs citations

46
times ranked

1654
citing authors

#	ARTICLE	IF	CITATIONS
1	Methods for characterizing the structure of starch in relation to its applications: a comprehensive review. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 4799-4816.	5.4	8
2	Adsorption and catalytic degradation of preservative parabens by graphene-family nanomaterials. <i>Science of the Total Environment</i> , 2022, 806, 150520.	3.9	6
3	Benzo[a]pyrene and heavy metal ion adsorption on nanoplastics regulated by humic acid: Cooperation/competition mechanisms revealed by molecular dynamics simulations. <i>Journal of Hazardous Materials</i> , 2022, 424, 127431.	6.5	30
4	Heteroaggregation between graphene oxide and titanium dioxide particles of different shapes in aqueous phase. <i>Journal of Hazardous Materials</i> , 2022, 428, 128146.	6.5	2
5	Integrated transcriptomic and metabolomic analysis of cultivar differences provides insights into the browning mechanism of fresh-cut potato tubers. <i>Postharvest Biology and Technology</i> , 2022, 188, 111905.	2.9	16
6	The effect of ultrasonic on reducing anti-browning minimum effective concentration of purslane extract on fresh-cut potato slices during storage. <i>Food Chemistry</i> , 2021, 343, 128401.	4.2	36
7	A novel mitigator of enzymatic browning—hawthorn leaf extract and its application in the preservation of fresh-cut potatoes. <i>Food Quality and Safety</i> , 2021, 5, .	0.6	10
8	Novel browning alleviation technology for fresh-cut products: Preservation effect of the combination of <i>Sonchus oleraceus</i> L. extract and ultrasound in fresh-cut potatoes. <i>Food Chemistry</i> , 2021, 348, 129132.	4.2	48
9	In vitro digestibility of starches with different crystalline polymorphs at low α -amylase activity to substrate ratio. <i>Food Chemistry</i> , 2021, 349, 129170.	4.2	12
10	Novel alternative for controlling enzymatic browning: Catalase and its application in fresh-cut potatoes. <i>Journal of Food Science</i> , 2021, 86, 3529-3539.	1.5	10
11	Interaction of Microplastics with Antibiotics in Aquatic Environment: Distribution, Adsorption, and Toxicity. <i>Environmental Science & Technology</i> , 2021, 55, 15579-15595.	4.6	169
12	<i>Pichia kudriavzevii</i> retards fungal decay by influencing the fungal community succession during cherry tomato fruit storage. <i>Food Microbiology</i> , 2020, 88, 103404.	2.1	35
13	A method for characterizing short-range molecular order in amorphous starch. <i>Carbohydrate Polymers</i> , 2020, 242, 116405.	5.1	35
14	Chlorophyll a predictability and relative importance of factors governing lake phytoplankton at different timescales. <i>Science of the Total Environment</i> , 2019, 648, 472-480.	3.9	59
15	Effect of high oxygen pretreatment of whole tuber on anti-browning of fresh-cut potato slices during storage. <i>Food Chemistry</i> , 2019, 301, 125287.	4.2	54
16	Effect of purslane (<i>Portulaca oleracea</i> L.) extract on anti-browning of fresh-cut potato slices during storage. <i>Food Chemistry</i> , 2019, 283, 445-453.	4.2	107
17	Effect of purple yam flour substitution for wheat flour on in vitro starch digestibility of wheat bread. <i>Food Chemistry</i> , 2019, 284, 118-124.	4.2	45
18	Garcinone C exerts antitumor activity by modulating the expression of ATR/Stat3/4E β P1 in nasopharyngeal carcinoma cells. <i>Oncology Reports</i> , 2018, 39, 1485-1493.	1.2	7

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19	Transcriptomic and gene expression changes in response to postharvest surface pitting in ‘Lingwu Long’™ jujube fruit. <i>Horticulture Environment and Biotechnology</i> , 2018, 59, 59-70.	0.7	9
20	The complete chloroplast genome sequence of the folk medicinal and vegetable plant purslane (<i>Portulaca oleracea</i> L.). <i>Journal of Horticultural Science and Biotechnology</i> , 2018, 93, 356-365.	0.9	15
21	A Bayesian modeling approach for phosphorus load apportionment in a reservoir with high water transfer disturbance. <i>Environmental Science and Pollution Research</i> , 2018, 25, 32395-32408.	2.7	7
22	Enrichment of soybean dietary fiber and protein fortified rice grain by dry flour extrusion cooking: the physicochemical, pasting, taste, palatability, cooking and starch digestibility properties. <i>RSC Advances</i> , 2018, 8, 26682-26690.	1.7	23
23	Chloroplast Genome of the Folk Medicine and Vegetable Plant <i>Talinum paniculatum</i> (Jacq.) Gaertn.: Gene Organization, Comparative and Phylogenetic Analysis. <i>Molecules</i> , 2018, 23, 857.	1.7	22
24	Sequencing and Analysis of <i>Chrysanthemum carinatum</i> Schousb and <i>Kalimeris indica</i> . The Complete Chloroplast Genomes Reveal Two Inversions and <i>rbcl</i> as Barcoding of the Vegetable. <i>Molecules</i> , 2018, 23, 1358.	1.7	14
25	Cod peptides inhibit browning in fresh-cut potato slices: A potential anti-browning agent of random peptides for regulating food properties. <i>Postharvest Biology and Technology</i> , 2018, 146, 36-42.	2.9	44
26	Highly Sensitive Electrochemiluminescence Assay for Cardiac Troponin I and Adenosine Triphosphate by using Supersandwich Amplification and Bifunctional Aptamer. <i>ChemElectroChem</i> , 2017, 4, 1708-1713.	1.7	12
27	Metformin targets multiple signaling pathways in cancer. <i>Chinese Journal of Cancer</i> , 2017, 36, 17.	4.9	115
28	A label-free quantitative proteomic investigation reveals stage-responsive ripening genes in apricot fruits. <i>Journal of Horticultural Science and Biotechnology</i> , 2017, 92, 261-269.	0.9	11
29	Interrelation of androgen receptor and miR-30a and miR-30a function in ER ⁺ , PR ⁺ , AR+ MDA-MB-453 breast cancer cells. <i>Oncology Letters</i> , 2017, 14, 4930-4936.	0.8	10
30	MicroRNA-10b expression in node-negative breast cancer—correlation with metastasis and angiogenesis. <i>Oncology Letters</i> , 2017, 14, 5845-5852.	0.8	13
31	Cloning and Characterization of Two Iridoid Synthase Homologs from <i>Swertia Mussoitii</i> . <i>Molecules</i> , 2017, 22, 1387.	1.7	10
32	Preparation, properties and <i>in vivo</i> antimicrobial activity in yacon roots of microencapsulation containing cinnamon oil. <i>Materials Technology</i> , 2016, 31, 40-46.	1.5	7
33	Hybrid use of combined and sequential delivery of growth factors and ultrasound stimulation in porous multilayer composite scaffolds to promote both vascularization and bone formation in bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 195-208.	2.1	11
34	Exosome-derived microRNAs contribute to prostate cancer chemoresistance. <i>International Journal of Oncology</i> , 2016, 49, 838-846.	1.4	74
35	Loss of FAT1 during the progression from DCIS to IDC and predict poor clinical outcome in breast cancer. <i>Experimental and Molecular Pathology</i> , 2016, 100, 177-183.	0.9	21
36	Wnt3a: functions and implications in cancer. <i>Chinese Journal of Cancer</i> , 2015, 34, 554-62.	4.9	72

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37	Data in support of comparative analysis of strawberry proteome in response to controlled atmosphere and low temperature storage using a label-free quantification. <i>Data in Brief</i> , 2015, 3, 185-188.	0.5	1
38	Label-free quantitative proteomics to investigate strawberry fruit proteome changes under controlled atmosphere and low temperature storage. <i>Journal of Proteomics</i> , 2015, 120, 44-57.	1.2	74
39	Study of bilineage differentiation of human-bone-marrow-derived mesenchymal stem cells in oxidized sodium alginate/N-succinyl chitosan hydrogels and synergistic effects of RGD modification and low-intensity pulsed ultrasound. <i>Acta Biomaterialia</i> , 2014, 10, 2518-2528.	4.1	51
40	Relationship between chemotherapy and prognosis in different subtypes of node-negative breast cancer. <i>Tumor Biology</i> , 2014, 35, 8581-8589.	0.8	3
41	Effect of Î²-Cyclodextrin on the Water Loss and Hardness of Frying Chestnut during Storage. <i>Applied Mechanics and Materials</i> , 2013, 275-277, 398-401.	0.2	0
42	Storage Effects on Total Phenolics, Antioxidant Capacity in Indica-Japonica Genotype Rice Grain. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	2
43	Bioremediation of Atrazine Contaminated Soil by <i>Arthrobacter</i> SP. Strain AD4. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	0
44	Genetic analysis and mapping of a thermosensitive genic male sterility gene, <i>tms6(t)</i> , in rice (<i>Oryza sativa</i> L.). <i>Genome</i> , 2010, 53, 119-124.	0.9	19
45	Antimicrobial activity and cytotoxicity towards cancer cells of <i>Melaleuca alternifolia</i> (tea tree) oil. <i>European Food Research and Technology</i> , 2009, 229, 247-253.	1.6	47
46	Phase behavior of temperature- and pH-sensitive poly(acrylic acid- <i>g</i> -N-isopropylacrylamide) in dilute aqueous solution. <i>Journal of Applied Polymer Science</i> , 2008, 109, 4036-4042.	1.3	15