

Bin Zhou

List of Publications by Year in descending order

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78
papers

1,455
citations

430442

18
h-index

360668

35
g-index

80
all docs

80
docs citations

80
times ranked

1772
citing authors

#	ARTICLE	IF	CITATIONS
1	High intensity ultrasound modified ovalbumin: Structure, interface and gelation properties. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 302-309.	3.8	193
2	Fabrication of zein/quaternized chitosan nanoparticles for the encapsulation and protection of curcumin. <i>RSC Advances</i> , 2015, 5, 13891-13900.	1.7	160
3	Antibacterial multilayer films fabricated by layer-by-layer immobilizing lysozyme and gold nanoparticles on nanofibers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 432-438.	2.5	99
4	Supramolecular design of coordination bonding architecture on zein nanoparticles for pH-responsive anticancer drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 1224-1233.	2.5	58
5	Spatiotemporal distribution and risk assessment of organotins in the surface water of the Three Gorges Reservoir Region, China. <i>Chemosphere</i> , 2017, 171, 405-414.	4.2	47
6	Supramolecular design and applications of polyphenol-based architecture: A review. <i>Advances in Colloid and Interface Science</i> , 2019, 272, 102019.	7.0	46
7	Release properties of tannic acid from hydrogen bond driven antioxidative cellulose nanofibrous films. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 68-74.	3.6	44
8	Chitosan/phosvitin antibacterial films fabricated via layer-by-layer deposition. <i>International Journal of Biological Macromolecules</i> , 2014, 64, 402-408.	3.6	42
9	CircHIPK3 is decreased in preeclampsia and affects migration, invasion, proliferation, and tube formation of human trophoblast cells. <i>Placenta</i> , 2019, 85, 1-8.	0.7	42
10	Antioxidant Pickering emulsions stabilised by zein/tannic acid colloidal particles with low concentration. <i>International Journal of Food Science and Technology</i> , 2020, 55, 1924-1934.	1.3	38
11	Short-term effects of thinning on soil respiration in a pine (<i>Pinus tabulaeformis</i>) plantation. <i>Biology and Fertility of Soils</i> , 2014, 50, 357-367.	2.3	37
12	Improvement of quality and flavor of salted egg yolks by ultrasonic assisted cooking. <i>Ultrasonics Sonochemistry</i> , 2021, 75, 105579.	3.8	35
13	<i>Moringa oleifera</i> Lam and its Therapeutic Effects in Immune Disorders. <i>Frontiers in Pharmacology</i> , 2020, 11, 566783.	1.6	31
14	Unraveling the inhibitory effect of dihydromyricetin on heterocyclic aromatic amines formation. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 1988-1994.	1.7	27
15	Metal-Phenolic Network Covering on Zein Nanoparticles as a Regulator on the Oil/Water Interface. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8471-8482.	2.4	27
16	Facile preparation of clay reinforced konjac glucomannan aerogels. <i>RSC Advances</i> , 2014, 4, 22251.	1.7	22
17	Engineering Multifunctional Coatings on Nanoparticles Based on Oxidative Coupling Assembly of Polyphenols for Stimuli-Responsive Drug Delivery. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6897-6905.	2.4	20
18	Carboxymethylpachyman entrapped plant-based hollow microcapsules for delivery and stabilization of β -galactosidase. <i>Food and Function</i> , 2019, 10, 4782-4791.	2.1	19

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19	Carboxymethylpachymaran/alginate gel entrapping of natural pollen capsules for the encapsulation, protection and delivery of probiotics with enhanced viability. <i>Food Hydrocolloids</i> , 2021, 120, 106855.	5.6	19
20	Heat- and cold-induced gels of desalted duck egg white/gelatin mixed system: Study on rheological and gel properties. <i>Food Hydrocolloids</i> , 2021, 121, 107003.	5.6	19
21	Folate-functionalized assembly of low density lipoprotein/sodium carboxymethyl cellulose nanoparticles for targeted delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 156, 19-28.	2.5	19
22	Phosphoprotein/chitosan electrospun nanofibrous scaffold for biomineralization. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 218-224.	3.6	18
23	Development of zein/soluble soybean polysaccharide nanoparticle-stabilized Pickering emulsions. <i>Journal of Food Science</i> , 2021, 86, 1907-1916.	1.5	17
24	Formation Dynamics of Excited Neutral Nitrogen Molecules inside Femtosecond Laser Filaments. <i>Physical Review Letters</i> , 2019, 123, 243203.	2.9	16
25	Carboxymethylpachymaran-zein coated plant microcapsules-based β -galactosidase encapsulation system for long-term effective delivery. <i>Food Research International</i> , 2020, 128, 108867.	2.9	16
26	Tailoring stimuli-responsive delivery system driven by metal–ligand coordination bonding. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 3315-3330.	3.3	15
27	Designable Carboxymethylpachymaran/Metal Ion Architecture on Sunflower Sporopollenin Exine Capsules as Delivery Vehicles for Bioactive Macromolecules. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13990-14000.	2.4	15
28	Chitosan coordination driven self-assembly for effective delivery of curcumin. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2267-2274.	3.6	15
29	Tuning of Molecular Interactions between Zein and Tannic Acid to Modify Sunflower Sporopollenin Exine Capsules: Enhanced Stability and Targeted Delivery of Bioactive Macromolecules. <i>ACS Applied Bio Materials</i> , 2021, 4, 2686-2695.	2.3	15
30	Effect of alkaline electrolyzed water on physicochemical and structural properties of apricot protein isolate. <i>Food Science and Biotechnology</i> , 2019, 28, 15-23.	1.2	14
31	Effect of ultrasonic pretreatment on the emulsification properties of <i>Clanis Bilineata Tingtauca Mell</i> protein. <i>Ultrasonics Sonochemistry</i> , 2021, 80, 105823.	3.8	14
32	Effect of desalted egg white and gelatin mixture system on frozen dough. <i>Food Hydrocolloids</i> , 2022, 132, 107889.	5.6	14
33	Engineering functional alginate beads for encapsulation of Pickering emulsions stabilized by colloidal particles. <i>RSC Advances</i> , 2016, 6, 101267-101276.	1.7	13
34	Desalination of salted duck egg white assisted by gelatin: Foaming and interface properties of the mixed system. <i>Food Hydrocolloids</i> , 2022, 124, 107260.	5.6	13
35	Placental protein 14 as a potential biomarker for diagnosis of preterm premature rupture of membranes. <i>Molecular Medicine Reports</i> , 2018, 18, 113-122.	1.1	12
36	Reinforced pickering emulsions stabilized by desalted duck egg white nanogels with Ca ²⁺ as binding agents. <i>Food Hydrocolloids</i> , 2021, 121, 106974.	5.6	12

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37	Coordination-Driven Metal-Polyphenolic Nanoparticles toward Effective Anticancer Therapy. <i>Advanced Healthcare Materials</i> , 2022, 11, .	3.9	12
38	STUDY ON RELEASE MECHANISM OF INHIBITORY COMPONENTS FROM CINNAMON AND CLOVE POWDERS. <i>Journal of Food Safety</i> , 2012, 32, 189-197.	1.1	10
39	Phase separation in mixtures of ovalbumin and konjac glucomannan: Physicochemical and microscopic investigations. <i>International Journal of Biological Macromolecules</i> , 2014, 70, 167-173.	3.6	10
40	Protective effect of Perilla (<i>Perilla frutescens</i>) leaf essential oil on the quality of a surimi-based food. <i>Journal of Food Processing and Preservation</i> , 2018, 42, e13540.	0.9	10
41	Fabrication and characterization of Pickering emulsions stabilized by desalted duck egg white nanogels and sodium alginate. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 949-956.	1.7	10
42	Correlation of IL-31 gene polymorphisms with susceptibility and clinical recurrence of bladder cancer. <i>Familial Cancer</i> , 2018, 17, 577-585.	0.9	9
43	Study on the Emulsifying Properties of Pomegranate Peel Pectin from Different Cultivation Areas. <i>Molecules</i> , 2019, 24, 1819.	1.7	9
44	Desalted duck egg white nanogels combined with Î²-carrageenan as stabilisers for food-grade Pickering emulsion. <i>International Journal of Food Science and Technology</i> , 2022, 57, 2819-2829.	1.3	9
45	Male cancer patient sperm cryopreservation for fertility preservation: 10-year monocentric experience. <i>Basic and Clinical Andrology</i> , 2021, 31, 24.	0.8	8
46	Interfacial decoration of desalted duck egg white nanogels as stabilizer for Pickering emulsion. <i>Food Hydrocolloids</i> , 2022, 132, 107858.	5.6	8
47	Knockdown of Heparanase Suppresses Invasion of Human Trophoblasts by Activating p38 MAPK Signaling Pathway. <i>Disease Markers</i> , 2018, 2018, 1-10.	0.6	7
48	Pickering Emulsion Stabilized by Metal-Phenolic Architectures: A Straightforward In Situ Assembly Strategy. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 11709-11719.	2.4	7
49	Abundance and morphology of charcoal in sediments provide no evidence of massive slash-and-burn agriculture during the Neolithic Kuahuqiao culture, China. <i>PLoS ONE</i> , 2020, 15, e0237592.	1.1	6
50	CFTR deficiency causes cardiac dysplasia during zebrafish embryogenesis and is associated with dilated cardiomyopathy. <i>Mechanisms of Development</i> , 2020, 163, 103627.	1.7	6
51	Ultrasound-based one-step fabrication of nobiletin particle: A facile stabilization strategy. <i>Food Chemistry</i> , 2022, 369, 130896.	4.2	6
52	Effect of block length on the self-assembly of end-capping perfluoroalkyl moieties on the polymer surface. <i>Science in China Series B: Chemistry</i> , 2009, 52, 2295-2306.	0.8	5
53	Coordination-driven multilayer of phosvitin-polyphenol functional nanofibrous membranes: antioxidant and biomineralization applications for tissue engineering. <i>RSC Advances</i> , 2016, 6, 98935-98944.	1.7	5
54	Association between <i>AXIN1</i> Gene Polymorphisms and Bladder Cancer in Chinese Han Population. <i>Disease Markers</i> , 2019, 2019, 1-8.	0.6	5

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55	Tannic acid enhanced the emulsion stability, rheology and interface characteristics of <i>Clanis Bilineata Tingtauca Mell</i> protein stabilised oil-in-water emulsion. <i>International Journal of Food Science and Technology</i> , 2022, 57, 5228-5238.	1.3	5
56	PASE: A Prototype for Ad-hoc Process-Aware Information System Declaratively Constructing Environment. , 2008, , .		4
57	Occurrence and health risk assessment of organotins in waterworks and the source water of the Three Gorges Reservoir Region, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15019-15028.	2.7	4
58	Associations between TAB2 Gene Polymorphisms and Epithelial Ovarian Cancer in a Chinese Population. <i>Disease Markers</i> , 2019, 2019, 1-9.	0.6	3
59	Association between <i>AXIN1</i> gene polymorphisms and epithelial ovarian cancer in Chinese population. <i>Biomarkers in Medicine</i> , 2019, 13, 445-455.	0.6	3
60	A cryoprotectant supplemented with pentoxifylline can improve the effect of freezing on the motility of human testicular sperm. <i>Zygote</i> , 2022, 30, 92-97.	0.5	3
61	Early pregnancy human decidua gamma/delta T cells exhibit tissue resident and specific functional characteristics. <i>Molecular Human Reproduction</i> , 2022, 28, .	1.3	3
62	Association Between <i>AXIN1</i> Gene Polymorphisms and Dilated Cardiomyopathy in a Chinese Han Population. <i>DNA and Cell Biology</i> , 2019, 38, 436-442.	0.9	2
63	Associations between <i>TAB2</i> gene polymorphisms and dilated cardiomyopathy in a Chinese population. <i>Biomarkers in Medicine</i> , 2020, 14, 441-450.	0.6	2
64	CFTR regulates embryonic T lymphopoiesis via Wnt signaling in zebrafish. <i>Immunology Letters</i> , 2021, 234, 47-53.	1.1	2
65	Association between interleukin-32 polymorphisms and ovarian cancer in the Chinese Han population. <i>International Journal of Clinical and Experimental Pathology</i> , 2020, 13, 1733-1738.	0.5	2
66	A novel deletion mutation in the BCOR gene is associated with oculo-facio-cardio-dental syndrome: a case report. <i>BMC Pediatrics</i> , 2022, 22, 82.	0.7	2
67	Association of left ventricular systolic dysfunction with coronary artery dilation in Kawasaki disease patients: Assessment with cardiovascular magnetic resonance. <i>European Journal of Radiology</i> , 2021, 145, 110039.	1.2	2
68	Verifying the Consistency between Business Process Model and Data Model. , 2009, , .		1
69	Association between CDK8 gene polymorphisms and dilated cardiomyopathy in a Chinese Han population. <i>Cardiovascular Diagnosis and Therapy</i> , 2021, 11, 0-0.	0.7	1
70	Transcription factor FOXP3 gene variants affect epithelial ovarian carcinoma in the Han Chinese population. <i>International Journal of Clinical and Experimental Pathology</i> , 2018, 11, 1684-1693.	0.5	1
71	Analysis of gene single-nucleotide polymorphisms in a Han Chinese population with dilated cardiomyopathy. <i>Biomarkers in Medicine</i> , 2021, , .	0.6	1
72	Dacin, one metalloproteinase from <i>Deinagkistrodon acutus</i> venom inhibiting contraction of mouse ileum muscle. <i>BMC Biochemistry</i> , 2017, 18, 11.	4.4	0

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73	Association of oncostatin M receptor polymorphisms with clinical recurrence of ovarian cancer in the Chinese Han population. <i>Biomarkers in Medicine</i> , 2022, 16, 461-471.	0.6	0
74	The effect of gonadal and extragonadal malignant cancers on sperm quality. <i>Translational Cancer Research</i> , 2021, 10, 5183-5190.	0.4	0
75	Title is missing!. , 2020, 15, e0237592.		0
76	Title is missing!. , 2020, 15, e0237592.		0
77	Title is missing!. , 2020, 15, e0237592.		0
78	Title is missing!. , 2020, 15, e0237592.		0