

Hao Hu

List of Publications by Year in descending order

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44
papers

1,447
citations

361413
20
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docs citations

44
times ranked

1854
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of different oils and ultrasound emulsification conditions on the physicochemical properties of emulsions stabilized by soy protein isolate. <i>Ultrasonics Sonochemistry</i> , 2018, 49, 283-293.	8.2	145
2	Characterization and functional properties of mango peel pectin extracted by ultrasound assisted citric acid. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 794-803.	7.5	109
3	Effect of high intensity ultrasound on transglutaminase-catalyzed soy protein isolate cold set gel. <i>Ultrasonics Sonochemistry</i> , 2016, 29, 380-387.	8.2	107
4	Sustainable livestock wastewater treatment via phytoremediation: Current status and future perspectives. <i>Bioresource Technology</i> , 2020, 315, 123809.	9.6	104
5	Redox-Responsive Polycation-Functionalized Cotton Cellulose Nanocrystals for Effective Cancer Treatment. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8942-8951.	8.0	103
6	Multifunctional polycationic photosensitizer conjugates with rich hydroxyl groups for versatile water-soluble photodynamic therapy nanoplatfoms. <i>Biomaterials</i> , 2017, 117, 77-91.	11.4	88
7	Phytoremediation of anaerobically digested swine wastewater contaminated by oxytetracycline via <i>Lemna aequinoctialis</i> : Nutrient removal, growth characteristics and degradation pathways. <i>Bioresource Technology</i> , 2019, 291, 121853.	9.6	83
8	Effects of different ionic strengths on the physicochemical properties of plant and animal proteins-stabilized emulsions fabricated using ultrasound emulsification. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104627.	8.2	78
9	Formation of amyloid fibrils from soy protein hydrolysate: Effects of selective proteolysis on β -conglycinin. <i>Food Research International</i> , 2017, 100, 268-276.	6.2	56
10	Chrysanthemyl Diphosphate Synthase Operates in Planta as a Bifunctional Enzyme with Chrysanthemol Synthase Activity. <i>Journal of Biological Chemistry</i> , 2014, 289, 36325-36335.	3.4	48
11	A facile strategy to functionalize gold nanorods with polycation brushes for biomedical applications. <i>Acta Biomaterialia</i> , 2014, 10, 3786-3794.	8.3	41
12	Acid-Labile Poly(glycidyl methacrylate)-Based Star Gene Vectors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12238-12248.	8.0	41
13	Effects of long-term exposure to oxytetracycline on phytoremediation of swine wastewater via duckweed systems. <i>Journal of Hazardous Materials</i> , 2021, 414, 125508.	12.4	32
14	Iodine promoted iodosulfonylation of alkynes with sulfonyl hydrazides in an aqueous medium: highly stereoselective synthesis of (<i>E</i>)- β -iodo vinylsulfones. <i>New Journal of Chemistry</i> , 2018, 42, 8752-8755.	2.8	30
15	Defense of pyrethrum flowers: repelling herbivores and recruiting carnivores by producing aphid alarm pheromone. <i>New Phytologist</i> , 2019, 223, 1607-1620.	7.3	29
16	Controllable Heparin-Based Comb Copolymers and Their Self-assembled Nanoparticles for Gene Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8376-8385.	8.0	28
17	Effect of ultrasound on functional properties, flavor characteristics, and storage stability of soybean milk. <i>Food Chemistry</i> , 2022, 381, 132158.	8.2	27
18	SPAAC-NAD-seq, a sensitive and accurate method to profile NAD ⁺ -capped transcripts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	26

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19	Modification of chrysanthemum odour and taste with chrysanthemol synthase induces strong dual resistance against cotton aphids. <i>Plant Biotechnology Journal</i> , 2018, 16, 1434-1445.	8.3	25
20	Versatile functionalization of amylopectin for effective biomedical applications. <i>Science China Chemistry</i> , 2015, 58, 1461-1470.	8.2	21
21	Ultrasound-assisted gelation of β -carotene enriched oleogels based on candelilla wax-nut oils: Physical properties and in-vitro digestion analysis. <i>Ultrasonics Sonochemistry</i> , 2021, 79, 105762.	8.2	21
22	Effects of different nut oils on the structures and properties of gel-like emulsions induced by ultrasound using soy protein as an emulsifier. <i>International Journal of Food Science and Technology</i> , 2021, 56, 1649-1660.	2.7	19
23	Optimisation of enzymatic production of sulforaphane in broccoli sprouts and their total antioxidant activity at different growth and storage days. <i>Journal of Food Science and Technology</i> , 2017, 54, 209-218.	2.8	18
24	Use of NAD tagSeq II to identify growth phase-dependent alterations in <i>E. coli</i> RNA NAD ⁺ capping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	17
25	40-Gb/s All-Optical Serial-to-Parallel Conversion Based on a Single SOA. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 1181-1183.	2.5	16
26	Design, synthesis and biological evaluation of novel thieno[3,2-d]pyrimidine and quinazoline derivatives as potent antitumor agents. <i>Bioorganic Chemistry</i> , 2019, 90, 103086.	4.1	15
27	Discovery of novel dual c-Met/HDAC inhibitors as a promising strategy for cancer therapy. <i>Bioorganic Chemistry</i> , 2020, 101, 103970.	4.1	14
28	A comprehensive study on structures and characterizations of 7S protein treated by high intensity ultrasound at different pH and ionic strengths. <i>Food Chemistry</i> , 2022, 373, 131378.	8.2	14
29	PGMA-Based Cationic Nanoparticles with Polyhydric Iodine Units for Advanced Gene Vectors. <i>Bioconjugate Chemistry</i> , 2016, 27, 2744-2754.	3.6	13
30	Tissue specificity of (E)- β -farnesene and germacrene D accumulation in pyrethrum flowers. <i>Phytochemistry</i> , 2021, 187, 112768.	2.9	12
31	Molecular cloning and characterization of the trichome specific chrysanthemyl diphosphate/chrysanthemol synthase promoter from <i>Tanacetum cinerariifolium</i> . <i>Scientia Horticulturae</i> , 2015, 185, 193-199.	3.6	11
32	Design, synthesis and biological evaluation of novel c-Met/HDAC dual inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127610.	2.2	9
33	Transcriptional Responses and GCMS Analysis for the Biosynthesis of Pyrethrins and Volatile Terpenes in <i>Tanacetum coccineum</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 13005.	4.1	9
34	Design, synthesis and pharmacological evaluation of novel 4-phenoxyquinoline derivatives as potential antitumor agents. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 746-755.	2.6	6
35	Insights of Pressure-Induced Unfolding of β -Lactoglobulin as Revealed by Steered Molecular Dynamics. <i>Advanced Theory and Simulations</i> , 2019, 2, 1800199.	2.8	6
36	Ribozyme-mediated CRISPR/Cas9 gene editing in pyrethrum (<i>Tanacetum cinerariifolium</i>) hairy roots using a RNA polymerase II-dependent promoter. <i>Plant Methods</i> , 2022, 18, 32.	4.3	6

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37	All-optical 3R regeneration based on the XPM effect of semiconductor optical amplifier. Microwave and Optical Technology Letters, 2008, 50, 1807-1810.	1.4	5
38	Overexpression of TcCHS Increases Pyrethrin Content When Using a Genotype-Independent Transformation System in Pyrethrum (Tanacetum cinerariifolium). Plants, 2022, 11, 1575.	3.5	5
39	Simulation and experimental study on temperature field of fluid jet-dispenser. , 2009, , .		3
40	Mathematical modeling of multi-bed adiabatic reactor for the Methanol-to-Olefin process. Reaction Kinetics, Mechanisms and Catalysis, 2010, 101, 49-61.	1.7	3
41	Design, synthesis and biological evaluation of novel aryl-acrylic derivatives as novel indoleamine-2,3-dioxygenase 1 (IDO1) inhibitors. Bioorganic and Medicinal Chemistry, 2019, 27, 3135-3144.	3.0	3
42	Regenerative multiwavelength conversion at 4 Å— 10â€CBit/S using a single SOA. Microwave and Optical Technology Letters, 2009, 51, 466-469.	1.4	1
43	Characterization of the Corrosion Kinetic of X52 Steel in Seawater with Biocides. Materials Research Society Symposia Proceedings, 2009, 1242, 1.	0.1	0
44	Coin Paradox Spinâ€“Orbit Interaction Enhances Magneto-Optical Effect and Its Application in On-Chip Integrated Optical Isolator. Nanoscale Research Letters, 2021, 16, 175.	5.7	0