

Hao Hu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

861
citations

15
h-index

28
g-index

44
ext. papers

1,134
ext. citations

6.7
avg, IF

4.45
L-index

#	Paper	IF	Citations
42	Redox-responsive polycation-functionalized cotton cellulose nanocrystals for effective cancer treatment. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 8942-51	9.5	87
41	Multifunctional polycationic photosensitizer conjugates with rich hydroxyl groups for versatile water-soluble photodynamic therapy nanoplatfoms. <i>Biomaterials</i> , 2017 , 117, 77-91	15.6	80
40	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	7.9	77
39	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	8.9	77
38	Effect of high intensity ultrasound on transglutaminase-catalyzed soy protein isolate cold set gel. <i>Ultrasonics Sonochemistry</i> , 2016 , 29, 380-7	8.9	70
37	Sustainable livestock wastewater treatment via phytoremediation: Current status and future perspectives. <i>Bioresourc Technology</i> , 2020 , 315, 123809	11	50
36	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	8.9	43
35	Phytoremediation of anaerobically digested swine wastewater contaminated by oxytetracycline via <i>Lemna aequinoctialis</i> : Nutrient removal, growth characteristics and degradation pathways. <i>Bioresourc Technology</i> , 2019 , 291, 121853	11	42
34	Acid-Labile Poly(glycidyl methacrylate)-Based Star Gene Vectors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 12238-48	9.5	40
33	A facile strategy to functionalize gold nanorods with polycation brushes for biomedical applications. <i>Acta Biomaterialia</i> , 2014 , 10, 3786-94	10.8	37
32	Chrysanthemyl diphosphate synthase operates in planta as a bifunctional enzyme with chrysanthemol synthase activity. <i>Journal of Biological Chemistry</i> , 2014 , 289, 36325-35	5.4	29
31	Formation of amyloid fibrils from soy protein hydrolysate: Effects of selective proteolysis on β -conglycinin. <i>Food Research International</i> , 2017 , 100, 268-276	7	22
30	Iodine promoted iodosulfonylation of alkynes with sulfonyl hydrazides in an aqueous medium: highly stereoselective synthesis of (E)-iodo vinylsulfones. <i>New Journal of Chemistry</i> , 2018 , 42, 8752-8753 ^{3,6}	3.6	21
29	Controllable Heparin-Based Comb Copolymers and Their Self-assembled Nanoparticles for Gene Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8376-85	9.5	19
28	Versatile functionalization of amylopectin for effective biomedical applications. <i>Science China Chemistry</i> , 2015 , 58, 1461-1470	7.9	17
27	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	3.3	14
26	Defense of pyrethrum flowers: repelling herbivores and recruiting carnivores by producing aphid alarm pheromone. <i>New Phytologist</i> , 2019 , 223, 1607-1620	9.8	14

25	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	11.6	14
24	PGMA-Based Cationic Nanoparticles with Polyhydric Iodine Units for Advanced Gene Vectors. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2744-2754	6.3	11
23	Effects of long-term exposure to oxytetracycline on phytoremediation of swine wastewater via duckweed systems. <i>Journal of Hazardous Materials</i> , 2021 , 414, 125508	12.8	11
22	40-Gb/s All-Optical Serial-to-Parallel Conversion Based on a Single SOA. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 1181-1183	2.2	10
21	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	5.1	9
20	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	4.1	7
19	Discovery of novel dual c-Met/HDAC inhibitors as a promising strategy for cancer therapy. <i>Bioorganic Chemistry</i> , 2020 , 101, 103970	5.1	7
18	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	3.8	7
17	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	2.2	5
16	Design, synthesis and biological evaluation of novel c-Met/HDAC dual inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127610	2.9	5
15	Use of NAD tagSeq II to identify growth phase-dependent alterations in RNA NAD capping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
14	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,	11.5	5
13	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> , 2021 , 373, 131378	8.5	4
12	Mathematical modeling of multi-bed adiabatic reactor for the Methanol-to-Olefin process. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2010 , 101, 49-61	1.6	3
11	All-optical 3R regeneration based on the XPM effect of semiconductor optical amplifier. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 1807-1810	1.2	3
10	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	8.9	3
9	Design, synthesis and biological evaluation of novel aryl-acrylic derivatives as novel indoleamine-2,3-dioxygenase 1 (IDO1) inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 3135-3144	3.4	2
8	Insights of Pressure-induced Unfolding of β -Lactoglobulin as Revealed by Steered Molecular Dynamics. <i>Advanced Theory and Simulations</i> , 2019 , 2, 1800199	3.5	2

7	Simulation and experimental study on temperature field of fluid jet-dispenser 2009 ,		2
6	Effect of ultrasound on functional properties, flavor characteristics, and storage stability of soybean milk.. <i>Food Chemistry</i> , 2022 , 381, 132158	8.5	2
5	Tissue specificity of (E)- β -farnesene and germacrene D accumulation in pyrethrum flowers. <i>Phytochemistry</i> , 2021 , 187, 112768	4	2
4	Regenerative multiwavelength conversion at 4 \times 10-Gbit/S using a single SOA. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 466-469	1.2	1
3	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	5.8	1
2	Characterization of the Corrosion Kinetic of X52 Steel in Seawater with Biocides. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1242, 1		
1	Coin Paradox Spin-Orbit Interaction Enhances Magneto-Optical Effect and Its Application in On-Chip Integrated Optical Isolator. <i>Nanoscale Research Letters</i> , 2021 , 16, 175	5	