

Yu Zhang

List of Publications by Year in Descending Order

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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.

43
papers

647
citations

14
h-index

24
g-index

49
ext. papers

922
ext. citations

5.7
avg, IF

4.45
L-index

#	Paper	IF	Citations
43	Combined bioderivatization and engineering approach to improve the efficiency of geraniol production. <i>Green Chemistry</i> , 2022 , 24, 864-876	10	0
42	Genetic and Bioprocess Engineering for the Selective and High-Level Production of Geranyl Acetate in <i>Escherichia coli</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 2881-2889	8.3	0
41	Engineering <i>Escherichia coli</i> for effective and economic production of cis-abienol by optimizing isopentenol utilization pathway. <i>Journal of Cleaner Production</i> , 2022 , 351, 131310	10.3	1
40	Chitosan binding to a novel alfalfa phytoferritin nanocage loaded with baicalein: Simulated digestion and absorption evaluation.. <i>Food Chemistry</i> , 2022 , 386, 132716	8.5	0
39	Improved stability and pharmacokinetics of wogonin through loading into PASylated ferritin.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 216, 112515	6	0
38	Enzymatic Acylation of Proanthocyanidin Dimers from <i>Acacia Mearnsii</i> Bark: Effect on Lipophilic and Antioxidant Properties. <i>Journal of Bioresources and Bioproducts</i> , 2021 , 6, 359-359	18.7	4
37	Synthetic Protein Scaffolds for Improving (-)-Linalool Production in. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 5663-5670	5.7	5
36	Engineering <i>Escherichia coli</i> for production of geraniol by systematic synthetic biology approaches and laboratory-evolved fusion tags. <i>Metabolic Engineering</i> , 2021 , 66, 60-67	9.7	10
35	Photoinitiated stereoselective direct C(sp ²)≡ perfluoroalkylation and difluoroacetylation of enamides. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 4086-4094	5.2	8
34	Tumor-Penetrating Peptide-Functionalized Ferritin Enhances Antitumor Activity of Paclitaxel.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 2654-2663	4.1	6
33	tLYP-1 Peptide Functionalized Human H Chain Ferritin for Targeted Delivery of Paclitaxel. <i>International Journal of Nanomedicine</i> , 2021 , 16, 789-802	7.3	8
32	ERK-Peptide-Inhibitor-Modified Ferritin Enhanced the Therapeutic Effects of Paclitaxel in Cancer Cells and Spheroids. <i>Molecular Pharmaceutics</i> , 2021 , 18, 3365-3377	5.6	6
31	Polydopamine loaded fluorescent nanocellulose-garose hydrogel: A pH-responsive drug delivery carrier for cancer therapy. <i>Composites Communications</i> , 2021 , 26, 100739	6.7	5
30	Low-Temperature Trigger Nitric Oxide Nanogenerators for Enhanced Mild Photothermal Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 1535-1542	5.5	17
29	Electrochemical Oxidative Oxydihalogenation of Alkynes for the Synthesis of α,β -Dihaloketones. <i>Organic Letters</i> , 2020 , 22, 1169-1174	6.2	28
28	Temperature-controlled regioselective thiolation of 2-indolylmethanols under aqueous micellar conditions. <i>Green Chemistry</i> , 2020 , 22, 657-661	10	5
27	Nanoformulations to Enhance the Bioavailability and Physiological Functions of Polyphenols. <i>Molecules</i> , 2020 , 25,	4.8	31

26	Efficient Biosynthesis of (-)-Linalool through Adjusting the Expression Strategy and Increasing GPP Supply in. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 8381-8390	5.7	10
25	Catalytic Cracking of Inedible Oils for the Production of Drop-In Biofuels over a SO ₄ 2/TiO ₂ -ZrO ₂ Catalyst. <i>Energy & Fuels</i> , 2020 , 34, 14204-14214	4.1	7
24	Proanthocyanidin Encapsulated in Ferritin Enhances Its Cellular Absorption and Antioxidant Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 11498-11507	5.7	14
23	Combinatorial Engineering of Mevalonate Pathway and Diterpenoid Synthases in Escherichia coli for cis-Abienol Production. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 6523-6531	5.7	8
22	Modulating Heterologous Pathways and Optimizing Culture Conditions for Biosynthesis of -10, -12 Conjugated Linoleic Acid in. <i>Molecules</i> , 2019 , 24,	4.8	7
21	Peptide-Mediated Immobilization on Magnetoferritin for Enzyme Recycling. <i>Nanomaterials</i> , 2019 , 9,	5.4	3
20	Enhanced Reactive Oxygen Species Levels by an Active Benzothiazole Complex-Mediated Fenton Reaction for Highly Effective Antitumor Therapy. <i>Molecular Pharmaceutics</i> , 2019 , 16, 4929-4939	5.6	5
19	Novel Paclitaxel-Loaded Nanoparticles Based on Human H Chain Ferritin for Tumor-Targeted Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 6645-6654	5.5	16
18	A Structure-Based Assembly Screen of Protein Cage Libraries in Living Cells: Experimentally Repacking a Protein-Protein Interface To Recover Cage Formation in an Assembly-Frustrated Mutant. <i>Biochemistry</i> , 2018 , 57, 604-613	3.2	9
17	Characterization of two novel thermostable esterases from Thermoanaerobacterium thermosaccharolyticum. <i>Protein Expression and Purification</i> , 2018 , 152, 64-70	2	8
16	Effects of In Vitro Digestion on the Content and Biological Activity of Polyphenols from Bark. <i>Molecules</i> , 2018 , 23,	4.8	7
15	Analytical Profiling of Proanthocyanidins from Bark and In Vitro Assessment of Antioxidant and Antidiabetic Potential. <i>Molecules</i> , 2018 , 23,	4.8	12
14	Application of Plant Viruses as a Biotemplate for Nanomaterial Fabrication. <i>Molecules</i> , 2018 , 23,	4.8	28
13	Green Synthesis of Conjugated Linoleic Acids from Plant Oils Using a Novel Synergistic Catalytic System. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 5322-5329	5.7	9
12	Proanthocyanidins from Chinese bayberry (<i>Myrica rubra</i> Sieb. et Zucc.) leaves regulate lipid metabolism and glucose consumption by activating AMPK pathway in HepG2 cells. <i>Journal of Functional Foods</i> , 2017 , 29, 217-225	5.1	28
11	Designability of Aromatic Interaction Networks at Bacterioferritin B-Type Channels. <i>Molecules</i> , 2017 , 22,	4.8	9
10	Design and Applications of Protein-Cage-Based Nanomaterials. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2814-2828	4.5	35
9	Mutagenesis study to disrupt electrostatic interactions on the twofold symmetry interface of Escherichia coli bacterioferritin. <i>Journal of Biochemistry</i> , 2015 , 158, 505-12	3.1	11

8	α-Glucosidase Inhibition and Antihyperglycemic Activity of Phenolics from the Flowers of <i>Edgeworthia gardneri</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 8162-9	5.7	38
7	Differential scanning calorimetry to quantify the stability of protein cages. <i>Methods in Molecular Biology</i> , 2015 , 1252, 101-13	1.4	3
6	Cloning, over-expression and characterization of a thermo-tolerant xylanase from <i>Thermotoga thermarum</i> . <i>Biotechnology Letters</i> , 2014 , 36, 587-93	3	23
5	Production, purification, and characterization of a cellulase-free thermostable endo-xylanase from <i>Thermoanaerobacterium thermosaccharolyticum</i> DSM 571. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 174, 2392-402	3.2	9
4	A novel highly thermostable xylanase stimulated by Ca ²⁺ from <i>Thermotoga thermarum</i> : cloning, expression and characterization. <i>Biotechnology for Biofuels</i> , 2013 , 6, 26	7.8	62
3	Self-assembly in the ferritin nano-cage protein superfamily. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 5406-21	6.3	92
2	Rational disruption of the oligomerization of the mini-ferritin <i>E. coli</i> DPS through protein-protein interface mutation. <i>Protein Science</i> , 2011 , 20, 1907-17	6.3	22
1	Alanine-shaving mutagenesis to determine key interfacial residues governing the assembly of a nano-cage maxi-ferritin. <i>Journal of Biological Chemistry</i> , 2010 , 285, 12078-86	5.4	37