Yu Zhang

List of Publications by Citations

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	Self-assembly in the ferritin nano-cage protein superfamily. *International Journal of Molecular Sciences*, **2011**, 12, 5406-21	6.3	92
42	A novel highly thermostable xylanase stimulated by Ca2+ from Thermotoga thermarum: cloning, expression and characterization. *Biotechnology for Biofuels*, **2013**, 6, 26	7.8	62
41	Glucosidase Inhibition and Antihyperglycemic Activity of Phenolics from the Flowers of Edgeworthia gardneri. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 8162-9	5.7	38
40	Alanine-shaving mutagenesis to determine key interfacial residues governing the assembly of a nano-cage maxi-ferritin. *Journal of Biological Chemistry*, **2010**, 285, 12078-86	5.4	37
39	Design and Applications of Protein-Cage-Based Nanomaterials. *Chemistry - an Asian Journal*, **2016**, 11, 2814-2828	4.5	35
38	Nanoformulations to Enhance the Bioavailability and Physiological Functions of Polyphenols. *Molecules*, **2020**, 25,	4.8	31
37	Proanthocyanidins from Chinese bayberry (Myrica rubra Sieb. et Zucc.) leaves regulate lipid metabolism and glucose consumption by activating AMPK pathway in HepG2 cells. *Journal of Functional Foods*, **2017**, 29, 217-225	5.1	28
36	Electrochemical Oxidative Oxydihalogenation of Alkynes for the Synthesis of Dihaloketones. *Organic Letters*, **2020**, 22, 1169-1174	6.2	28
35	Application of Plant Viruses as a Biotemplate for Nanomaterial Fabrication. *Molecules*, **2018**, 23,	4.8	28
34	Cloning, over-expression and characterization of a thermo-tolerant xylanase from Thermotoga thermarum. *Biotechnology Letters*, **2014**, 36, 587-93	3	23
33	Rational disruption of the oligomerization of the mini-ferritin E. coli DPS through protein-protein interface mutation. *Protein Science*, **2011**, 20, 1907-17	6.3	22
32	Low-Temperature Trigger Nitric Oxide Nanogenerators for Enhanced Mild Photothermal Therapy. *ACS Biomaterials Science and Engineering*, **2020**, 6, 1535-1542	5.5	17
31	Novel Paclitaxel-Loaded Nanoparticles Based on Human H Chain Ferritin for Tumor-Targeted Delivery. *ACS Biomaterials Science and Engineering*, **2019**, 5, 6645-6654	5.5	16
30	Proanthocyanidin Encapsulated in Ferritin Enhances Its Cellular Absorption and Antioxidant Activity. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 11498-11507	5.7	14
29	Analytical Profiling of Proanthocyanidins from Bark and In Vitro Assessment of Antioxidant and Antidiabetic Potential. *Molecules*, **2018**, 23,	4.8	12
28	Mutagenesis study to disrupt electrostatic interactions on the twofold symmetry interface of Escherichia coli bacterioferritin. *Journal of Biochemistry*, **2015**, 158, 505-12	3.1	11
27	Efficient Biosynthesis of -(-)-Linalool through Adjusting the Expression Strategy and Increasing GPP Supply in. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 8381-8390	5.7	10

26	Engineering Escherichia coli for production of geraniol by systematic synthetic biology approaches and laboratory-evolved fusion tags. *Metabolic Engineering*, **2021**, 66, 60-67	9.7	10
25	Green Synthesis of Conjugated Linoleic Acids from Plant Oils Using a Novel Synergistic Catalytic System. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 5322-5329	5.7	9
24	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. *Biochemistry*, **2018**, 57, 604-613	3.2	9
23	Production, purification, and characterization of a cellulase-free thermostable endo-xylanase from Thermoanaerobacterium thermosaccharolyticum DSM 571. *Applied Biochemistry and Biotechnology*, **2014**, 174, 2392-402	3.2	9
22	Designability of Aromatic Interaction Networks at Bacterioferritin B-Type Channels. *Molecules*, **2017**, 22,	4.8	9
21	Combinatorial Engineering of Mevalonate Pathway and Diterpenoid Synthases in Escherichia coli for cis-Abienol Production. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 6523-6531	5.7	8
20	Characterization of two novel thermostable esterases from Thermoanaerobacterium thermosaccharolyticum. *Protein Expression and Purification*, **2018**, 152, 64-70	2	8
19	Photoinitiated stereoselective direct C(sp2)–H perfluoroalkylation and difluoroacetylation of enamides. *Organic Chemistry Frontiers*, **2021**, 8, 4086-4094	5.2	8
18	tLyP-1 Peptide Functionalized Human H Chain Ferritin for Targeted Delivery of Paclitaxel. *International Journal of Nanomedicine*, **2021**, 16, 789-802	7.3	8
17	Modulating Heterologous Pathways and Optimizing Culture Conditions for Biosynthesis of -10, -12 Conjugated Linoleic Acid in. *Molecules*, **2019**, 24,	4.8	7
16	Effects of In Vitro Digestion on the Content and Biological Activity of Polyphenols from Bark. *Molecules*, **2018**, 23,	4.8	7
15	Catalytic Cracking of Inedible Oils for the Production of Drop-In Biofuels over a SO42−/TiO2-ZrO2 Catalyst. *Energy & Fuels*, **2020**, 34, 14204-14214	4.1	7
14	Tumor-Penetrating Peptide-Functionalized Ferritin Enhances Antitumor Activity of Paclitaxel.. *ACS Applied Bio Materials*, **2021**, 4, 2654-2663	4.1	6
13	ERK-Peptide-Inhibitor-Modified Ferritin Enhanced the Therapeutic Effects of Paclitaxel in Cancer Cells and Spheroids. *Molecular Pharmaceutics*, **2021**, 18, 3365-3377	5.6	6
12	Temperature-controlled regioselective thiolation of 2-indolylmethanols under aqueous micellar conditions. *Green Chemistry*, **2020**, 22, 657-661	10	5
11	Enhanced Reactive Oxygen Species Levels by an Active Benzothiazole Complex-Mediated Fenton Reaction for Highly Effective Antitumor Therapy. *Molecular Pharmaceutics*, **2019**, 16, 4929-4939	5.6	5
10	Synthetic Protein Scaffolds for Improving -(-)-Linalool Production in. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 5663-5670	5.7	5
9	Polydopamine loaded fluorescent nanocellulose–agarose hydrogel: A pH-responsive drug delivery carrier for cancer therapy. *Composites Communications*, **2021**, 26, 100739	6.7	5

8	Enzymatic Acylation of Proanthocyanidin Dimers from Acacia Mearnsii Bark: Effect on Lipophilic and Antioxidant Properties. *Journal of Bioresources and Bioproducts*, **2021**, 6, 359-359	18.7	4
7	Peptide-Mediated Immobilization on Magnetoferritin for Enzyme Recycling. *Nanomaterials*, **2019**, 9,	5.4	3
6	Differential scanning calorimetry to quantify the stability of protein cages. *Methods in Molecular Biology*, **2015**, 1252, 101-13	1.4	3
5	Engineering Escherichia coli for effective and economic production of cis-abienol by optimizing isopentenol utilization pathway. *Journal of Cleaner Production*, **2022**, 351, 131310	10.3	1
4	Combined bioderivatization and engineering approach to improve the efficiency of geraniol production. *Green Chemistry*, **2022**, 24, 864-876	10	0
3	Genetic and Bioprocess Engineering for the Selective and High-Level Production of Geranyl Acetate in Escherichia coli. *ACS Sustainable Chemistry and Engineering*, **2022**, 10, 2881-2889	8.3	0
2	Chitosan binding to a novel alfalfa phytoferritin nanocage loaded with baicalein: Simulated digestion and absorption evaluation.. *Food Chemistry*, **2022**, 386, 132716	8.5	0
1	Improved stability and pharmacokinetics of wogonin through loading into PASylated ferritin.. *Colloids and Surfaces B: Biointerfaces*, **2022**, 216, 112515	6	0