

# Yu Zhang

## List of Publications by Year in descending order

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48  
papers

1,180  
citations

394286

19  
h-index

414303

32  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1461  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Assembly in the Ferritin Nano-Cage Protein Superfamily. <i>International Journal of Molecular Sciences</i> , 2011, 12, 5406-5421.	1.8	116
2	Nanoformulations to Enhance the Bioavailability and Physiological Functions of Polyphenols. <i>Molecules</i> , 2020, 25, 4613.	1.7	89
3	A novel highly thermostable xylanase stimulated by Ca <sup>2+</sup> from <i>Thermotoga thermarum</i> : cloning, expression and characterization. <i>Biotechnology for Biofuels</i> , 2013, 6, 26.	6.2	79
4	Electrochemical Oxidative Oxydihalogenation of Alkynes for the Synthesis of $\hat{1}\pm, \hat{1}\pm$ -Dihaloketones. <i>Organic Letters</i> , 2020, 22, 1169-1174.	2.4	64
5	$\hat{1}\pm$ -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, 8162-8169.	2.4	50
6	Application of Plant Viruses as a Biotemplate for Nanomaterial Fabrication. <i>Molecules</i> , 2018, 23, 2311.	1.7	50
7	Design and Applications of Proteinâ€Cageâ€Based Nanomaterials. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2814-2828.	1.7	49
8	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, 12078-12086.	1.6	44
9	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.	1.6	44
10	Low-Temperature Trigger Nitric Oxide Nanogenerators for Enhanced Mild Photothermal Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1535-1542.	2.6	44
11	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.	3.6	40
12	Photoinitiated stereoselective direct C(sp <sup>2</sup> )â€H perfluoroalkylation and difluoroacetylation of enamides. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4086-4094.	2.3	34
13	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.	2.6	27
14	Polydopamine loaded fluorescent nanocelluloseâ€agarose hydrogel: A pH-responsive drug delivery carrier for cancer therapy. <i>Composites Communications</i> , 2021, 26, 100739.	3.3	27
15	Cloning, over-expression and characterization of a thermo-tolerant xylanase from <i>Thermotoga thermarum</i> . <i>Biotechnology Letters</i> , 2014, 36, 587-593.	1.1	26
16	Proanthocyanidin Encapsulated in Ferritin Enhances Its Cellular Absorption and Antioxidant Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11498-11507.	2.4	26
17	Rational disruption of the oligomerization of the miniâ€ferritin <i>E. coli</i> DPS through proteinâ€protein interface mutation. <i>Protein Science</i> , 2011, 20, 1907-1917.	3.1	24
18	Efficient Biosynthesis of R-(â€)-Linalool through Adjusting the Expression Strategy and Increasing GPP Supply in <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8381-8390.	2.4	23

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19	tLyP-1 Peptide Functionalized Human H Chain Ferritin for Targeted Delivery of Paclitaxel. International Journal of Nanomedicine, 2021, Volume 16, 789-802.	3.3	21
20	Combinatorial Engineering of Mevalonate Pathway and Diterpenoid Synthases in <i>Escherichia coli</i> for <i>cis</i> -Abienol Production. Journal of Agricultural and Food Chemistry, 2019, 67, 6523-6531.	2.4	19
21	Synthetic Protein Scaffolds for Improving <i>R</i> -Linalool Production in <i>Escherichia coli</i> . Journal of Agricultural and Food Chemistry, 2021, 69, 5663-5670.	2.4	18
22	Improved thermostability of <i>Thermomyces lanuginosus</i> lipase by molecular dynamics simulation and in silico mutation prediction and its application in biodiesel production. Fuel, 2022, 327, 125039.	3.4	18
23	ERK-Peptide-Inhibitor-Modified Ferritin Enhanced the Therapeutic Effects of Paclitaxel in Cancer Cells and Spheroids. Molecular Pharmaceutics, 2021, 18, 3365-3377.	2.3	17
24	Catalytic Cracking of Inedible Oils for the Production of Drop-In Biofuels over a $\text{SO}_4^{2-}/\text{TiO}_2\text{-ZrO}_2$ Catalyst. Energy & Fuels, 2020, 34, 14204-14214.	2.5	16
25	Modulating Heterologous Pathways and Optimizing Culture Conditions for Biosynthesis of <i>trans</i> -10, <i>cis</i> -12 Conjugated Linoleic Acid in <i>Yarrowia lipolytica</i> . Molecules, 2019, 24, 1753.	1.7	15
26	Mutagenesis study to disrupt electrostatic interactions on the twofold symmetry interface of <i>Escherichia coli</i> bacterioferritin. Journal of Biochemistry, 2015, 158, mvv065.	0.9	14
27	Enzymatic Acylation of Proanthocyanidin Dimers from <i>Acacia mearnsii</i> Bark: Effect on Lipophilic and Antioxidant Properties. Journal of Bioresources and Bioproducts, 2021, 6, 359-366.	11.8	14
28	Analytical Profiling of Proanthocyanidins from <i>Acacia mearnsii</i> Bark and In Vitro Assessment of Antioxidant and Antidiabetic Potential. Molecules, 2018, 23, 2891.	1.7	13
29	Tumor-Penetrating Peptide-Functionalized Ferritin Enhances Antitumor Activity of Paclitaxel. ACS Applied Bio Materials, 2021, 4, 2654-2663.	2.3	13
30	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.	2.4	12
31	Effects of In Vitro Digestion on the Content and Biological Activity of Polyphenols from <i>Acacia mearnsii</i> Bark. Molecules, 2018, 23, 1804.	1.7	12
32	Designability of Aromatic Interaction Networks at <i>E. coli</i> Bacterioferritin B-Type Channels. Molecules, 2017, 22, 2184.	1.7	11
33	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.	1.2	11
34	Characterization of two novel thermostable esterases from <i>Thermoanaerobacterium thermosaccharolyticum</i> . Protein Expression and Purification, 2018, 152, 64-70.	0.6	10
35	Enhanced Reactive Oxygen Species Levels by an Active Benzothiazole Complex-Mediated Fenton Reaction for Highly Effective Antitumor Therapy. Molecular Pharmaceutics, 2019, 16, 4929-4939.	2.3	10
36	Chitosan binding to a novel alfalfa phytoferritin nanocage loaded with baicalein: Simulated digestion and absorption evaluation. Food Chemistry, 2022, 386, 132716.	4.2	10

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37	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, 2392-2402.	1.4	9
38	Temperature-controlled regioselective thiolation of 2-indolylmethanols under aqueous micellar conditions. <i>Green Chemistry</i> , 2020, 22, 657-661.	4.6	9
39	Catalytic Pyrolysis of Nonedible Oils for the Production of Renewable Aromatics Using Metal-Modified HZSM-5 Catalysts. <i>ACS Omega</i> , 2022, 7, 18953-18968.	1.6	9
40	Sesquiterpene Synthase Engineering and Targeted Engineering of $\pm$ -Santalene Overproduction in <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 5377-5385.	2.4	8
41	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.	3.2	6
42	Differential Scanning Calorimetry to Quantify the Stability of Protein Cages. <i>Methods in Molecular Biology</i> , 2015, 1252, 101-113.	0.4	5
43	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.	4.6	5
44	Catalytic Cracking of Fatty Acid Methyl Esters for the Production of Green Aromatics Using Zn-Modified HZSM-5 Catalysts. <i>Energy &amp; Fuels</i> , 2022, 36, 6922-6938.	2.5	5
45	Combined bioderivatization and engineering approach to improve the efficiency of geraniol production. <i>Green Chemistry</i> , 2022, 24, 864-876.	4.6	4
46	Improved stability and pharmacokinetics of wogonin through loading into PASylated ferritin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 216, 112515.	2.5	4
47	Peptide-Mediated Immobilization on Magnetoferritin for Enzyme Recycling. <i>Nanomaterials</i> , 2019, 9, 1558.	1.9	3
48	Fluorescent Realgar Nanoclusters for Nuclear Targeting-Triggered Tumor Theranostics. <i>ACS Applied Nano Materials</i> , 2022, 5, 6485-6499.	2.4	3