

# Ping Zhu

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,720  
citations

361296

20  
h-index

315616

38  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2931  
citing authors

#	ARTICLE	IF	CITATIONS
1	SETD5 modulates homeostasis of hematopoietic stem cells by mediating RNA Polymerase II pausing in cooperation with HCF-1. <i>Leukemia</i> , 2022, 36, 1111-1122.	3.3	7
2	Unusual (2R,6R)-bicyclo[3.1.1]heptane ring construction in fungal $\hat{\iota}$ -trans-bergamotene biosynthesis. <i>IScience</i> , 2022, 25, 104030.	1.9	5
3	Metabolic engineering of yeasts for green and sustainable production of bioactive ginsenosides F2 and 3 $\hat{\iota}$ ,20S-Di-O-Glc-DM. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 3167-3176.	5.7	14
4	DNA methylation safeguards the generation of hematopoietic stem and progenitor cells by repression of Notch signaling. <i>Development (Cambridge)</i> , 2022, , .	1.2	2
5	The flying spider-monkey tree fern genome provides insights into fern evolution and arborescence. <i>Nature Plants</i> , 2022, 8, 500-512.	4.7	42
6	Improving Ergometrine Production by easO and easP Knockout in <i>Claviceps paspali</i> . <i>Fermentation</i> , 2022, 8, 263.	1.4	2
7	Construction of acetyl-CoA and DBAT hybrid metabolic pathway for acetylation of 10-deacetylbaccatin III to baccatin III. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3322-3334.	5.7	7
8	Hematopoietic Stem Cell Heterogeneity Is Linked to the Initiation and Therapeutic Response of Myeloproliferative Neoplasms. <i>Cell Stem Cell</i> , 2021, 28, 502-513.e6.	5.2	36
9	LXYL-P1-2 immobilized on magnetic nanoparticles and its potential application in paclitaxel production. <i>Electronic Journal of Biotechnology</i> , 2021, 50, 10-15.	1.2	5
10	COVID-19 immune features revealed by a large-scale single-cell transcriptome atlas. <i>Cell</i> , 2021, 184, 1895-1913.e19.	13.5	512
11	Mutation of Key Residues in $\hat{\iota}$ -Glycosidase LXYL-P1-2 for Improved Activity. <i>Catalysts</i> , 2021, 11, 1042.	1.6	0
12	Screening of Acetyl Donors and the Robust Enzymatic Synthesis of Acetyl-CoA by 10-Deacetylbaccatin III-10- $\hat{\iota}$ -O-acetyltransferase. <i>Catalysts</i> , 2021, 11, 1240.	1.6	0
13	Spectrum of Molecular Modes of Immune Escape in Idiopathic Aplastic Anemia and Paroxysmal Nocturnal Hemoglobinuria. <i>Blood</i> , 2021, 138, 603-603.	0.6	1
14	De novo transcriptome sequencing of <i>Rhododendron molle</i> and identification of genes involved in the biosynthesis of secondary metabolites. <i>BMC Plant Biology</i> , 2020, 20, 414.	1.6	9
15	Differentiation of transplanted haematopoietic stem cells tracked by single-cell transcriptomic analysis. <i>Nature Cell Biology</i> , 2020, 22, 630-639.	4.6	65
16	High-level soluble expression of human Cu,Zn superoxide dismutase with high activity in <i>Escherichia coli</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 106.	1.7	3
17	Structures of $\hat{\iota}$ -glycosidase LXYL-P1-2 reveals the product binding state of GH3 family and a specific pocket for Taxol recognition. <i>Communications Biology</i> , 2020, 3, 22.	2.0	7
18	Epigenetic modification enhances ergot alkaloid production of <i>Claviceps purpurea</i> . <i>Biotechnology Letters</i> , 2019, 41, 1439-1449.	1.1	7

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19	Construction and optimization of microbial cell factories for sustainable production of bioactive dammarenediol-II glucosides. <i>Green Chemistry</i> , 2019, 21, 3286-3299.	4.6	45
20	Using local alignment to enhance single-cell bisulfite sequencing data efficiency. <i>Bioinformatics</i> , 2019, 35, 3273-3278.	1.8	17
21	Advances in targeting and heterologous expression of genes involved in the synthesis of fungal secondary metabolites. <i>RSC Advances</i> , 2019, 9, 35124-35134.	1.7	21
22	Fed-batch high-cell-density fermentation strategies for <i>Pichia pastoris</i> growth and production. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 258-271.	5.1	68
23	Combinatorial mutation on the $\beta$ -glucosidase specific to 7- $\beta$ -xylosyltaxanes and increasing the mutated enzyme production by engineering the recombinant yeast. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 626-638.	5.7	12
24	Site-directed Mutagenesis of a $\beta$ -Glycoside Hydrolase from <i>Lentinula edodes</i> . <i>Molecules</i> , 2019, 24, 59.	1.7	8
25	CGmapTools improves the precision of heterozygous SNV calls and supports allele-specific methylation detection and visualization in bisulfite-sequencing data. <i>Bioinformatics</i> , 2018, 34, 381-387.	1.8	152
26	Demonstration-Scale High-Cell-Density Fermentation of <i>Pichia pastoris</i> . <i>Methods in Molecular Biology</i> , 2018, 1674, 109-116.	0.4	3
27	Chrysoxanones A-C, Three New Xanthone-Chromanone Heterodimers from Sponge-Associated <i>Penicillium chrysogenum</i> HLS111 Treated with Histone Deacetylase Inhibitor. <i>Marine Drugs</i> , 2018, 16, 357.	2.2	20
28	Enzymatic Synthesis of Unnatural Ginsenosides Using a Promiscuous UDP-Glucosyltransferase from <i>Bacillus subtilis</i> . <i>Molecules</i> , 2018, 23, 2797.	1.7	10
29	Tetrocarcin Q, a New Spirotetronate with a Unique Glycosyl Group from a Marine-Derived Actinomycete <i>Micromonospora carbonacea</i> LS276. <i>Marine Drugs</i> , 2018, 16, 74.	2.2	20
30	Progress on the Studies of the Key Enzymes of Ginsenoside Biosynthesis. <i>Molecules</i> , 2018, 23, 589.	1.7	54
31	Enhancement of recombinant BmK AngM1 production in <i>Pichia pastoris</i> by regulating gene dosage, co-expressing with chaperones and fermenting in fed-batch mode. <i>Journal of Asian Natural Products Research</i> , 2017, 19, 581-594.	0.7	12
32	Improving 10-deacetylbaccatin III-10- $\beta$ -O-acetyltransferase catalytic fitness for Taxol production. <i>Nature Communications</i> , 2017, 8, 15544.	5.8	52
33	Recent progress in ergot alkaloid research. <i>RSC Advances</i> , 2017, 7, 27384-27396.	1.7	41
34	Production of a bioactive unnatural ginsenoside by metabolically engineered yeasts based on a new UDP-glycosyltransferase from <i>Bacillus subtilis</i> . <i>Metabolic Engineering</i> , 2017, 44, 60-69.	3.6	57
35	Improving the Catalytic Property of the Glycoside Hydrolase LXYL-P1 <sup>2</sup> by Directed Evolution. <i>Molecules</i> , 2017, 22, 2133.	1.7	9
36	Interaction effects on cytochrome P450 both <i>in vitro</i> and <i>in vivo</i> studies by two major bioactive xanthenes from <i>Halenia elliptica</i> D. Don. <i>Biomedical Chromatography</i> , 2016, 30, 1953-1962.	0.8	3

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37	Scaling-up Fermentation of <i>Pichia pastoris</i> to demonstration-scale using new methanol-feeding strategy and increased air pressure instead of pure oxygen supplement. <i>Scientific Reports</i> , 2016, 6, 18439.	1.6	47
38	A New Analogue of Echinomycin and a New Cyclic Dipeptide from a Marine-Derived <i>Streptomyces</i> sp. LS298. <i>Marine Drugs</i> , 2015, 13, 6947-6961.	2.2	28
39	Two new monoterpenoid $\delta^5$ -pyrones from a fungus <i>Nectria</i> sp. HLS206 associated with the marine sponge <i>Gelliodes carnosus</i> . <i>Journal of Asian Natural Products Research</i> , 2015, 17, 633-637.	0.7	14
40	Pilot studies on scale-up biocatalysis of 7- $\delta^5$ -xylosyl-10-deacetyltaxol and its analogues by an engineered yeast. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 867-876.	1.4	23
41	Microbial transformation of oleanolic acid by <i>Trichothecium roseum</i> . <i>Journal of Asian Natural Products Research</i> , 2014, 16, 383-386.	0.7	10
42	Cordycepin activates AMP-activated protein kinase (AMPK) via interaction with the $\beta_1$ subunit. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 293-304.	1.6	59
43	Prognostic Value of Plasma Heart-Type Fatty Acid-Binding Protein in Patients With Acute Pulmonary Embolism. <i>Chest</i> , 2014, 146, 1462-1467.	0.4	16
44	Cloning and Characterization of the Glycoside Hydrolases That Remove Xylosyl Groups from 7- $\delta^5$ -xylosyl-10-deacetyltaxol and Its Analogues. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2236-2248.	2.5	33
45	High-cell-density fermentation and pilot-scale biocatalytic studies of an engineered yeast expressing the heterologous glycoside hydrolase of 7- $\delta^5$ -xylosyltaxanes. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 133-140.	1.4	13
46	Hypocreaterpenes A and B, cadinane-type sesquiterpenes from a marine-derived fungus, <i>Hypocreales</i> sp.. <i>Phytochemistry Letters</i> , 2013, 6, 392-396.	0.6	21
47	Improvement of Amorpho-4,11-diene Production by a Yeast-Conform Variant of <i>Vitreoscilla</i> Hemoglobin. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2012, 67, 195-207.	0.6	6
48	Improvement of amorpho-4,11-diene production by a yeast-conform variant of <i>Vitreoscilla</i> hemoglobin. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2012, 67, 195-207.	0.6	5
49	Phylogenetic Diversity of Bacteria Associated with the Marine Sponge <i>Gelliodes carnosus</i> Collected from the Hainan Island Coastal Waters of the South China Sea. <i>Microbial Ecology</i> , 2011, 62, 800-12.	1.4	35
50	Expression, purification and characterization of an analgesic peptide from <i>Buthus martensii</i> Karsch in <i>Pichia pastoris</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 2053-2056.	1.7	2
51	Unique Microbial Signatures of the Alien Hawaiian Marine Sponge <i>Suberites zeteki</i> . <i>Microbial Ecology</i> , 2008, 55, 406-414.	1.4	58
52	Callus of <i>Securinega suffruticosa</i> , a cell line accumulates dextro <i>Securinega</i> alkaloids. <i>Natural Product Research</i> , 2007, 21, 234-242.	1.0	17
53	A novel butenoate derivative from <i>Aspergillus niger</i> . <i>Natural Product Research</i> , 2006, 20, 573-577.	1.0	0
54	Cloning and Expression of <i>Taxus</i> Acyltransferase cDNA. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2004, 59, 755-761.	0.6	3

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55	Cloning and Sequencing of Hydroxylase Genes Involved in Taxol Biosynthesis. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2004, 59, 561-564.	0.6	2