

Zhanglin Lin

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,850
citations

331670

21
h-index

265206

42
g-index

46
all docs

46
docs citations

46
times ranked

1881
citing authors

#	ARTICLE	IF	CITATIONS
1	Laboratory evolution of peroxide-mediated cytochrome P450 hydroxylation. <i>Nature</i> , 1999, 399, 670-673.	27.8	427
2	Mechanisms of acid tolerance in bacteria and prospects in biotechnology and bioremediation. <i>Biotechnology Advances</i> , 2015, 33, 1484-1492.	11.7	160
3	Functional expression of horseradish peroxidase in <i>Saccharomyces cerevisiae</i> and <i>Pichia pastoris</i> . <i>Protein Engineering, Design and Selection</i> , 2000, 13, 377-384.	2.1	116
4	Active protein aggregates induced by terminally attached self-assembling peptide ELK16 in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2011, 10, 9.	4.0	111
5	Small surfactant-like peptides can drive soluble proteins into active aggregates. <i>Microbial Cell Factories</i> , 2012, 11, 10.	4.0	78
6	Engineering of transcriptional regulators enhances microbial stress tolerance. <i>Biotechnology Advances</i> , 2013, 31, 986-991.	11.7	69
7	Functional Expression of Horseradish Peroxidase in <i>E. coli</i> by Directed Evolution. <i>Biotechnology Progress</i> , 1999, 15, 467-471.	2.6	68
8	Laboratory-Evolved Mutants of an Exogenous Global Regulator, IrrE from <i>Deinococcus radiodurans</i> , Enhance Stress Tolerances of <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2011, 6, e16228.	2.5	67
9	Formation of active inclusion bodies induced by hydrophobic self-assembling peptide GFIL8. <i>Microbial Cell Factories</i> , 2015, 14, 88.	4.0	64
10	A modular pathway engineering strategy for the high-level production of Î²-ionone in <i>Yarrowia lipolytica</i> . <i>Microbial Cell Factories</i> , 2020, 19, 49.	4.0	50
11	Multiregion single-cell sequencing reveals the transcriptional landscape of the immune microenvironment of colorectal cancer. <i>Clinical and Translational Medicine</i> , 2021, 11, e253.	4.0	48
12	Streamlined protein expression and purification using cleavable self-aggregating tags. <i>Microbial Cell Factories</i> , 2011, 10, 42.	4.0	45
13	Global regulator engineering significantly improved <i>Escherichia coli</i> tolerances toward inhibitors of lignocellulosic hydrolysates. <i>Biotechnology and Bioengineering</i> , 2012, 109, 3133-3142.	3.3	43
14	Structural and Functional Characterization of the Gut Microbiota in Elderly Women With Migraine. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 470.	3.9	43
15	Aggregating tags for column-free protein purification. <i>Biotechnology Journal</i> , 2015, 10, 1877-1886.	3.5	36
16	Bacterial Sigma Factors as Targets for Engineered or Synthetic Transcriptional Control. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014, 2, 33.	4.1	34
17	Self-assembling amphipathic alpha-helical peptides induce the formation of active protein aggregates in vivo. <i>Faraday Discussions</i> , 2013, 166, 243.	3.2	32
18	Occurrence, characteristics, and applications of fructosyl amine oxidases (amadoriases). <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 1613-1619.	3.6	31

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19	Engineered global regulator H-NS improves the acid tolerance of <i>E. coli</i> . <i>Microbial Cell Factories</i> , 2018, 17, 118.	4.0	31
20	Characterization of Two <i>Pseudomonas aeruginosa</i> Viruses vB_PaeM_SCUT-S1 and vB_PaeM_SCUT-S2. <i>Viruses</i> , 2019, 11, 318.	3.3	30
21	Recombinant production of medium- to large-sized peptides in <i>Escherichia coli</i> using a cleavable self-aggregating tag. <i>Microbial Cell Factories</i> , 2016, 15, 136.	4.0	27
22	Significant Rewiring of the Transcriptome and Proteome of an <i>Escherichia coli</i> Strain Harboring a Tailored Exogenous Global Regulator <i>IrrE</i> . <i>PLoS ONE</i> , 2012, 7, e37126.	2.5	22
23	A cleavable self-assembling tag strategy for preparing proteins and peptides with an authentic N-terminus. <i>Biotechnology Journal</i> , 2017, 12, 1600656.	3.5	21
24	Cell lysis methods for high-throughput screening or miniaturized assays. <i>Biotechnology Journal</i> , 2009, 4, 210-215.	3.5	20
25	Heat-inducible autolytic vector for high-throughput screening. <i>BioTechniques</i> , 2006, 41, 319-323.	1.8	19
26	Spy chemistry-enabled protein directional immobilization and protein purification. <i>Biotechnology and Bioengineering</i> , 2020, 117, 2923-2932.	3.3	19
27	Facile expression and purification of the antimicrobial peptide histatin 1 with a cleavable self-aggregating tag (cSAT) in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2013, 88, 248-253.	1.3	18
28	Self-assembly amphipathic peptides induce active enzyme aggregation that dramatically increases the operational stability of nitrilase. <i>RSC Advances</i> , 2014, 4, 60675-60684.	3.6	16
29	New trends in aggregating tags for therapeutic protein purification. <i>Biotechnology Letters</i> , 2018, 40, 745-753.	2.2	15
30	Semi-rational engineering of cytochrome CYP153A from <i>Marinobacter aquaeolei</i> for improved ω -hydroxylation activity towards oleic acid. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8779-8788.	3.6	14
31	Engineering of the Small Noncoding RNA (sRNA) <i>DsrA</i> Together with the sRNA Chaperone <i>Hfq</i> Enhances the Acid Tolerance of <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2021, 87, .	3.1	14
32	Recombinant production of influenza hemagglutinin and HIV-1 GP120 antigenic peptides using a cleavable self-aggregating tag. <i>Scientific Reports</i> , 2016, 6, 35430.	3.3	10
33	Cleavable Self-Aggregating Tags (cSAT) for Protein Expression and Purification. <i>Methods in Molecular Biology</i> , 2015, 1258, 65-78.	0.9	9
34	<i>Nocardioides guangzhouensis</i> sp. nov., an actinobacterium isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 112-119.	1.7	8
35	Efficient genome editing for <i>Pseudomonas aeruginosa</i> using CRISPR-Cas12a. <i>Gene</i> , 2021, 790, 145693.	2.2	7
36	Mitigating Host Burden of Genetic Circuits by Engineering Autonegatively Regulated Parts and Improving Functional Prediction. <i>ACS Synthetic Biology</i> , 2022, 11, 2361-2371.	3.8	7

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37	Facile expression and purification of active human growth hormone in <i>E. coli</i> by a cleavable self-aggregating tag scheme. <i>Protein Expression and Purification</i> , 2021, 188, 105974.	1.3	5
38	Genomic Iterative Replacements of Large Synthetic DNA Fragments in <i>Corynebacterium glutamicum</i> . <i>ACS Synthetic Biology</i> , 2022, 11, 1588-1599.	3.8	5
39	Engineered pH-inducible intein <i>Mtu</i> β -lactamase variants with markedly reduced premature cleavage activity. <i>AIChE Journal</i> , 2020, 66, e16806.	3.6	4
40	Synthetic acid stress-tolerance modules improve growth robustness and lysine productivity of industrial <i>Escherichia coli</i> in fermentation at low pH. <i>Microbial Cell Factories</i> , 2022, 21, 68.	4.0	3
41	Dissection of SARS Coronavirus Spike Protein into Discrete Folded Fragments*. <i>Tsinghua Science and Technology</i> , 2006, 11, 490-494.	6.1	1
42	Cleavable Self-Aggregating Tags (cSAT) for Therapeutic Peptide Expression and Purification. <i>Methods in Molecular Biology</i> , 2022, 2406, 131-143.	0.9	1