Li Zhou

List of Publications by Year
in descending order

74	2,228	257101 24	243296 44
papers	citations	h-index	g-index

79	79	79	2653
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metabolic engineering of Escherichia coli: A sustainable industrial platform for bio-based chemical production. Biotechnology Advances, 2013, 31, 1200-1223.	6.0	181
2	Amphibious fluorescent carbon dots: one-step green synthesis and application for light-emitting polymer nanocomposites. Chemical Communications, 2013, 49, 8078.	2.2	150
3	Z-scheme mechanism of photogenerated carriers for hybrid photocatalyst Ag3PO4/g-C3N4 in degradation of sulfamethoxazole. Journal of Colloid and Interface Science, 2017, 487, 410-417.	5.0	144
4	Exploitation of Bacillus subtilis as a robust workhorse for production of heterologous proteins and beyond. World Journal of Microbiology and Biotechnology, 2018, 34, 145.	1.7	108
5	Improved Succinic Acid Production in the Anaerobic Culture of an Escherichia coli pflB ldhA Double Mutant as a Result of Enhanced Anaplerotic Activities in the Preceding Aerobic Culture. Applied and Environmental Microbiology, 2007, 73, 7837-7843.	1.4	101
6	Sensitive and rapid on-site detection of SARS-CoV-2 using a gold nanoparticle-based high-throughput platform coupled with CRISPR/Cas12-assisted RT-LAMP. Sensors and Actuators B: Chemical, 2021, 345, 130411.	4.0	86
7	Genetically switched d-lactate production in Escherichia coli. Metabolic Engineering, 2012, 14, 560-568.	3.6	81
8	Facile Functionalization of Multilayer Fullerenes (Carbon Nanoâ€Onions) by Nitrene Chemistry and â€œGrafting fromâ€•Strategy. Chemistry - A European Journal, 2009, 15, 1389-1396.	1.7	78
9	A review on peach gum polysaccharide: Hydrolysis, structure, properties and applications. Carbohydrate Polymers, 2022, 279, 119015.	5.1	74
10	Construction and development of an auto-regulatory gene expression system in Bacillus subtilis. Microbial Cell Factories, 2015, 14, 150.	1.9	65
11	Evaluation of Genetic Manipulation Strategies on d-Lactate Production by Escherichia coli. Current Microbiology, 2011, 62, 981-989.	1.0	64
12	Construction of a highly active secretory expression system via an engineered dual promoter and a highly efficient signal peptide in Bacillus subtilis. New Biotechnology, 2016, 33, 372-379.	2.4	63
13	Development of an efficient autoinducible expression system by promoter engineering in Bacillus subtilis. Microbial Cell Factories, 2016, 15, 66.	1.9	61
14	Multicomponent Reactions of Aldoâ€X Bifunctional Reagent Î±â€Oxoketene Dithioacetals and Indoles or Amines: Divergent Synthesis of Dihydrocoumarins, Quinolines, Furans, and Pyrroles. Asian Journal of Organic Chemistry, 2016, 5, 367-372.	1.3	51
15	Synthesized Magnetic Manganese Ferrite Nanoparticles on Activated Carbon for Sulfamethoxazole Removal. Clean - Soil, Air, Water, 2014, 42, 1199-1207.	0.7	48
16	Metabolic engineering of Escherichia coli for improving shikimate synthesis from glucose. Bioresource Technology, 2014, 166, 64-71.	4.8	41
17	High-level extracellular production of recombinant nattokinase in Bacillus subtilis WB800 by multiple tandem promoters. BMC Microbiology, 2019, 19, 89.	1.3	34
18	Engineering an inducible gene expression system for Bacillus subtilis from a strong constitutive promoter and a theophylline-activated synthetic riboswitch. Microbial Cell Factories, 2016, 15, 199.	1.9	33

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19	Efficient L-Alanine Production by a Thermo-Regulated Switch in Escherichia coli. Applied Biochemistry and Biotechnology, 2016, 178, 324-337.	1.4	33
20	Development of a novel strategy for robust synthetic bacterial promoters based on a stepwise evolution targeting the spacer region of the core promoter in Bacillus subtilis. Microbial Cell Factories, 2019, 18, 96.	1.9	33
21	Enhancement of a high efficient autoinducible expression system in Bacillus subtilis by promoter engineering. Protein Expression and Purification, 2016, 127, 81-87.	0.6	32
22	Improvement of stability of nitrile hydratase via protein fragment swapping. Biochemical and Biophysical Research Communications, 2014, 450, 401-408.	1.0	31
23	Improvement of the acid resistance, catalytic efficiency, and thermostability of nattokinase by multisiteâ€directed mutagenesis. Biotechnology and Bioengineering, 2019, 116, 1833-1843.	1.7	31
24	Digital CRISPR/Cas12b-based platform enabled absolute quantification of viral RNA. Analytica Chimica Acta, 2022, 1192, 339336.	2.6	29
25	An Adaptive Synchronous Parallel Strategy for Distributed Machine Learning. IEEE Access, 2018, 6, 19222-19230.	2.6	27
26	Efficient Preparation of Enantiopure D-Phenylalanine through Asymmetric Resolution Using Immobilized Phenylalanine Ammonia-Lyase from Rhodotorula glutinis JN-1 in a Recirculating Packed-Bed Reactor. PLoS ONE, 2014, 9, e108586.	1.1	27
27	Flame-retardant treatment of cotton fabric with organophosphorus derivative containing nitrogen and silicon. Journal of Thermal Analysis and Calorimetry, 2017, 128, 653-660.	2.0	26
28	Sesquiterpenes from the essential oil of Curcuma wenyujin and their inhibitory effects on nitric oxide production. FÃ¬toterapÃ¬Ã¢, 2015, 103, 143-148.	1.1	24
29	MicroRNA-148b enhances proliferation and apoptosis in human renal cancer cells via directly targeting MAP3K9. Molecular Medicine Reports, 2016, 13, 83-90.	1.1	22
30	Improvement of the Thermostability and Activity of Pullulanase from Anoxybacillus sp. WB42. Applied Biochemistry and Biotechnology, 2020, 191, 942-954.	1.4	22
31	Enhanced Thermal Stability and Hydrolytic Ability of Bacillus subtilis Aminopeptidase by Removing the Thermal Sensitive Domain in the Non-Catalytic Region. PLoS ONE, 2014, 9, e92357.	1.1	21
32	Heterologous expression of Avermectins biosynthetic gene cluster by construction of a Bacterial Artificial Chromosome library of the producers. Synthetic and Systems Biotechnology, 2017, 2, 59-64.	1.8	21
33	Synthesis of Furans and Pyrroles from 2â€Alkoxyâ€2,3â€dihydrofurans Through a Nucleophilic Substitutionâ€Triggered Heteroaromatization. Advanced Synthesis and Catalysis, 2016, 358, 900-918.	2.1	20
34	Overexpression and characterization of two types of nitrile hydratases from Rhodococcus rhodochrous J1. PLoS ONE, 2017, 12, e0179833.	1.1	20
35	Enhancement of Patchoulol Production in Escherichia coli via Multiple Engineering Strategies. Journal of Agricultural and Food Chemistry, 2021, 69, 7572-7580.	2.4	18
36	Development of a base editor for protein evolution via in situ mutation in vivo. Nucleic Acids Research, 2021, 49, 9594-9605.	6.5	18

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37	Improvement of d-lactate productivity in recombinant Escherichia coli by coupling production with growth. Biotechnology Letters, 2012, 34, 1123-1130.	1.1	17
38	A Hyperthermostable Type II Pullulanase from a Deep-Sea Microorganism Pyrococcus yayanosii CH1. Journal of Agricultural and Food Chemistry, 2019, 67, 9611-9617.	2.4	17
39	Ethnobotany, Phytochemistry and Pharmacological Effects of Plants in Genus Cynanchum Linn. (Asclepiadaceae). Molecules, 2018, 23, 1194.	1.7	16
40	Construction of a subunit-fusion nitrile hydratase and discovery of an innovative metal ion transfer pattern. Scientific Reports, 2016, 6, 19183.	1.6	15
41	Design and Construction of Portable CRISPR-Cpf1-Mediated Genome Editing in Bacillus subtilis 168 Oriented Toward Multiple Utilities. Frontiers in Bioengineering and Biotechnology, 2020, 8, 524676.	2.0	15
42	Rational Design of Chiral Tridentate Ligands: Bifunctional Cobalt(II) Complex/Hydrogen Bond for Enantioselective Michael Reactions. Organic Letters, 2022, 24, 3861-3866.	2.4	14
43	Mechanism-based site-directed mutagenesis to shift the optimum pH of the phenylalanine ammonia-lyase from Rhodotorula glutinis JN-1. Biotechnology Reports (Amsterdam, Netherlands), 2014, 3, 21-26.	2.1	13
44	A switch in a substrate tunnel for directing regioselectivity of nitrile hydratases towards Î±,Ï‰-dinitriles. Catalysis Science and Technology, 2016, 6, 1292-1296.	2.1	13
45	Modulating the pH Activity Profiles of Phenylalanine Ammonia Lyase from Anabaena variabilis by Modification of Center-Near Surface Residues. Applied Biochemistry and Biotechnology, 2017, 183, 699-711.	1.4	11
46	Sesquiterpenes from Curcuma wenyujin with their inhibitory activities on nitric oxide production in RAW 264.7 cells. Natural Product Research, 2017, 31, 548-554.	1.0	11
47	One-Pot Biosynthesis of l -Aspartate from Maleate via an Engineered Strain Containing a Dual-Enzyme System. Applied and Environmental Microbiology, 2019, 85, .	1.4	11
48	Metabolic engineering strategies for Dâ€lactate over production in Escherichia coli. Journal of Chemical Technology and Biotechnology, 2016, 91, 576-584.	1.6	10
49	Realization of Robust and Precise Regulation of Gene Expression by Multiple Sigma Recognizable Artificial Promoters. Frontiers in Bioengineering and Biotechnology, 2020, 8, 92.	2.0	10
50	Significance of Arg3, Arg54, and Tyr58 of l-aspartate Î±-decarboxylase from Corynebacterium glutamicum in the process of self-cleavage. Biotechnology Letters, 2014, 36, 121-126.	1.1	9
51	Novel Mode Engineering for Î²-Alanine Production in Escherichia coli with the Guide of Adaptive Laboratory Evolution. Microorganisms, 2021, 9, 600.	1.6	9
52	Biosynthesis of <scp>l</scp>-alanine from cis-butenedioic anhydride catalyzed by a triple-enzyme cascade via a genetically modified strain. Green Chemistry, 2021, 23, 7290-7298.	4.6	9
53	Transcriptional Responses and GCMS Analysis for the Biosynthesis of Pyrethrins and Volatile Terpenes in Tanacetum coccineum. International Journal of Molecular Sciences, 2021, 22, 13005.	1.8	9
54	Consumer-Centric Web Services Discovery and Subscription. , 2007, , .		8

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55	Effects of SBA-15 and its content on MMA solution polymerization and PMMA composites. Iranian Polymer Journal (English Edition), 2013, 22, 571-578.	1.3	8
56	pH-Dependent Activation of Streptomyces hygroscopicus Transglutaminase Mediated by Intein. Applied and Environmental Microbiology, 2014, 80, 723-729.	1.4	8
57	Limitation of thiamine pyrophosphate supply to growing Escherichia coli switches metabolism to efficient <scp>d</scp>â€lactate formation. Biotechnology and Bioengineering, 2016, 113, 182-188.	1.7	8
58	Comprehensive characterization of a theophylline riboswitch reveals two pivotal features of Shine-Dalgarno influencing activated translation property. Applied Microbiology and Biotechnology, 2017, 101, 2107-2120.	1.7	6
59	Hemin Covalently Functionalized Carbon Nanobranch with Enzymeâ€Like and Photocatalytic Activities for Synergistic Dye Degradation and Antibacterial Therapy. Advanced Sustainable Systems, 2021, 5, 2100103.	2.7	6
60	Ribozyme-mediated CRISPR/Cas9 gene editing in pyrethrum (Tanacetum cinerariifolium) hairy roots using a RNA polymerase II-dependent promoter. Plant Methods, 2022, 18, 32.	1.9	6
61	Cucurbit[7]uril-Mediated Supramolecular Bactericidal Nanoparticles: Their Assembly Process, Controlled Release, and Safe Treatment of Intractable Plant Bacterial Diseases. Nano Letters, 2022, 22, 4839-4847.	4.5	6
62	Modulating the pH profile of the pullulanase from Pyrococcus yayanosii CH1 by synergistically engineering the active center and surface. International Journal of Biological Macromolecules, 2022, 216, 132-139.	3.6	6
63	Fine tuning the transcription of ldhA for <scp>d</scp>-lactate production. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 1209-1217.	1.4	5
64	A TbPO4-based capturer for environmental extracellular antibiotic genes by interrogating lanthanide phosphates nanoneedles. Journal of Hazardous Materials, 2022, 423, 127139.	6.5	5
65	Surface engineering of a Pantoea agglomerans-derived phenylalanine aminomutase for the improvement of (S)-Î²-phenylalanine biosynthesis. Biochemical and Biophysical Research Communications, 2019, 518, 204-211.	1.0	4
66	Production of a Thermostable Pullulanase in Bacillus subtilis by Optimization of the Expression Elements. Starch/Staerke, 2020, 72, 2000018.	1.1	4
67	Enhancement of Î²-Alanine Biosynthesis in Escherichia coli Based on Multivariate Modular Metabolic Engineering. Biology, 2021, 10, 1017.	1.3	4
68	Longitudinal Change in Symptom Clusters in Patients With Ovarian Cancer. The Journal of Nursing Research: JNR, 2022, 30, e196.	0.7	4
69	Construction of K and Tb Co-doped MnO2 nanoparticles for enhanced oxidation and detoxication of organic dye waste. Chemosphere, 2022, 297, 134104.	4.2	4
70	An Approach to News Event Detection and Tracking Based on Stream of Online News. , 2017, , .		3
71	An extracellular aminopeptidase encoded by the ywaD gene plays an important role in supplying nitrogen nutrition for the growth of Bacillus subtilis 168. Canadian Journal of Microbiology, 2017, 63, 516-524.	0.8	2
72	An Effective Identification Technology for Online News Comment Spammers in Internet Media. IEEE Access, 2019, 7, 37792-37806.	2.6	2

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73	Catalytic Ability Improvement of Phenylalanine Hydroxylase from Chromobacterium violaceum by N-Terminal Truncation and Proline Introduction. Journal of Microbiology and Biotechnology, 2019, 29, 1375-1382.	0.9	2
74	An implementation of MIMO detection in TD-LTE based on General Purpose Processor. , 2012, , .		0