

Li Zhou

List of Publications by Year in descending order

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74
papers

2,228
citations

257101

24
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243296

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79
all docs

79
docs citations

79
times ranked

2653
citing authors

#	ARTICLE	IF	CITATIONS
1	A TbPO ₄ -based capturer for environmental extracellular antibiotic genes by interrogating lanthanide phosphates nanoneedles. <i>Journal of Hazardous Materials</i> , 2022, 423, 127139.	6.5	5
2	Digital CRISPR/Cas12b-based platform enabled absolute quantification of viral RNA. <i>Analytica Chimica Acta</i> , 2022, 1192, 339336.	2.6	29
3	A review on peach gum polysaccharide: Hydrolysis, structure, properties and applications. <i>Carbohydrate Polymers</i> , 2022, 279, 119015.	5.1	74
4	Longitudinal Change in Symptom Clusters in Patients With Ovarian Cancer. <i>The Journal of Nursing Research: JNR</i> , 2022, 30, e196.	0.7	4
5	Ribozyme-mediated CRISPR/Cas9 gene editing in pyrethrum (<i>Tanacetum cinerariifolium</i>) hairy roots using a RNA polymerase II-dependent promoter. <i>Plant Methods</i> , 2022, 18, 32.	1.9	6
6	Construction of K and Tb Co-doped MnO ₂ nanoparticles for enhanced oxidation and detoxication of organic dye waste. <i>Chemosphere</i> , 2022, 297, 134104.	4.2	4
7	Rational Design of Chiral Tridentate Ligands: Bifunctional Cobalt(II) Complex/Hydrogen Bond for Enantioselective Michael Reactions. <i>Organic Letters</i> , 2022, 24, 3861-3866.	2.4	14
8	Cucurbit[7]uril-Mediated Supramolecular Bactericidal Nanoparticles: Their Assembly Process, Controlled Release, and Safe Treatment of Intractable Plant Bacterial Diseases. <i>Nano Letters</i> , 2022, 22, 4839-4847.	4.5	6
9	Modulating the pH profile of the pullulanase from <i>Pyrococcus yayanosii</i> CH1 by synergistically engineering the active center and surface. <i>International Journal of Biological Macromolecules</i> , 2022, 216, 132-139.	3.6	6
10	Novel Mode Engineering for Î ² -Alanine Production in <i>Escherichia coli</i> with the Guide of Adaptive Laboratory Evolution. <i>Microorganisms</i> , 2021, 9, 600.	1.6	9
11	Hemin Covalently Functionalized Carbon Nanobranched with Enzyme-Like and Photocatalytic Activities for Synergistic Dye Degradation and Antibacterial Therapy. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100103.	2.7	6
12	Enhancement of Patchoulol Production in <i>Escherichia coli</i> via Multiple Engineering Strategies. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 7572-7580.	2.4	18
13	Development of a base editor for protein evolution via <i>in situ</i> mutation <i>in vivo</i> . <i>Nucleic Acids Research</i> , 2021, 49, 9594-9605.	6.5	18
14	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. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130411.	4.0	86
15	Biosynthesis of <i>l</i> -alanine from <i>cis</i> -butenedioic anhydride catalyzed by a triple-enzyme cascade <i>via</i> a genetically modified strain. <i>Green Chemistry</i> , 2021, 23, 7290-7298.	4.6	9
16	Enhancement of Î ² -Alanine Biosynthesis in <i>Escherichia coli</i> Based on Multivariate Modular Metabolic Engineering. <i>Biology</i> , 2021, 10, 1017.	1.3	4
17	Transcriptional Responses and GCMS Analysis for the Biosynthesis of Pyrethrins and Volatile Terpenes in <i>Tanacetum coccineum</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 13005.	1.8	9
18	Design and Construction of Portable CRISPR-Cpf1-Mediated Genome Editing in <i>Bacillus subtilis</i> 168 Oriented Toward Multiple Utilities. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 524676.	2.0	15

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19	Realization of Robust and Precise Regulation of Gene Expression by Multiple Sigma Recognizable Artificial Promoters. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 92.	2.0	10
20	Improvement of the Thermostability and Activity of Pullulanase from <i>Anoxybacillus</i> sp. WB42. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 942-954.	1.4	22
21	Production of a Thermostable Pullulanase in <i>Bacillus subtilis</i> by Optimization of the Expression Elements. <i>Starch/Staerke</i> , 2020, 72, 2000018.	1.1	4
22	A Hyperthermostable Type II Pullulanase from a Deep-Sea Microorganism <i>Pyrococcus yanosii</i> CH1. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 9611-9617.	2.4	17
23	One-Pot Biosynthesis of L-Aspartate from Maleate via an Engineered Strain Containing a Dual-Enzyme System. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	11
24	Surface engineering of a <i>Pantoea agglomerans</i> -derived phenylalanine aminomutase for the improvement of (S)- ¹² -phenylalanine biosynthesis. <i>Biochemical and Biophysical Research Communications</i> , 2019, 518, 204-211.	1.0	4
25	Development of a novel strategy for robust synthetic bacterial promoters based on a stepwise evolution targeting the spacer region of the core promoter in <i>Bacillus subtilis</i> . <i>Microbial Cell Factories</i> , 2019, 18, 96.	1.9	33
26	High-level extracellular production of recombinant nattokinase in <i>Bacillus subtilis</i> WB800 by multiple tandem promoters. <i>BMC Microbiology</i> , 2019, 19, 89.	1.3	34
27	Improvement of the acid resistance, catalytic efficiency, and thermostability of nattokinase by multisite-directed mutagenesis. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1833-1843.	1.7	31
28	An Effective Identification Technology for Online News Comment Spammers in Internet Media. <i>IEEE Access</i> , 2019, 7, 37792-37806.	2.6	2
29	Catalytic Ability Improvement of Phenylalanine Hydroxylase from <i>Chromobacterium violaceum</i> by N-Terminal Truncation and Proline Introduction. <i>Journal of Microbiology and Biotechnology</i> , 2019, 29, 1375-1382.	0.9	2
30	An Adaptive Synchronous Parallel Strategy for Distributed Machine Learning. <i>IEEE Access</i> , 2018, 6, 19222-19230.	2.6	27
31	Ethnobotany, Phytochemistry and Pharmacological Effects of Plants in Genus <i>Cynanchum</i> Linn. (<i>Asclepiadaceae</i>). <i>Molecules</i> , 2018, 23, 1194.	1.7	16
32	Exploitation of <i>Bacillus subtilis</i> as a robust workhorse for production of heterologous proteins and beyond. <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 145.	1.7	108
33	An extracellular aminopeptidase encoded by the <i>ywaD</i> gene plays an important role in supplying nitrogen nutrition for the growth of <i>Bacillus subtilis</i> 168. <i>Canadian Journal of Microbiology</i> , 2017, 63, 516-524.	0.8	2
34	Heterologous expression of Avermectins biosynthetic gene cluster by construction of a Bacterial Artificial Chromosome library of the producers. <i>Synthetic and Systems Biotechnology</i> , 2017, 2, 59-64.	1.8	21
35	Flame-retardant treatment of cotton fabric with organophosphorus derivative containing nitrogen and silicon. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 653-660.	2.0	26
36	Modulating the pH Activity Profiles of Phenylalanine Ammonia Lyase from <i>Anabaena variabilis</i> by Modification of Center-Near Surface Residues. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 699-711.	1.4	11

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37	Comprehensive characterization of a theophylline riboswitch reveals two pivotal features of Shine-Dalgarno influencing activated translation property. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2107-2120.	1.7	6
38	An Approach to News Event Detection and Tracking Based on Stream of Online News. , 2017, , .		3
39	Z-scheme mechanism of photogenerated carriers for hybrid photocatalyst Ag ₃ PO ₄ /g-C ₃ N ₄ in degradation of sulfamethoxazole. <i>Journal of Colloid and Interface Science</i> , 2017, 487, 410-417.	5.0	144
40	Sesquiterpenes from <i>Curcuma wenyujin</i> with their inhibitory activities on nitric oxide production in RAW 264.7 cells. <i>Natural Product Research</i> , 2017, 31, 548-554.	1.0	11
41	Overexpression and characterization of two types of nitrile hydratases from <i>Rhodococcus rhodochrous</i> J1. <i>PLoS ONE</i> , 2017, 12, e0179833.	1.1	20
42	Synthesis of Furans and Pyrroles from 2-Alkoxy-3-dihydrofurans Through a Nucleophilic Substitution-triggered Heteroaromatization. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 900-918.	2.1	20
43	Multicomponent Reactions of Aldo-Bifunctional Reagent α -oxo ketene Dithioacetals and Indoles or Amines: Divergent Synthesis of Dihydrocoumarins, Quinolines, Furans, and Pyrroles. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 367-372.	1.3	51
44	Construction of a subunit-fusion nitrile hydratase and discovery of an innovative metal ion transfer pattern. <i>Scientific Reports</i> , 2016, 6, 19183.	1.6	15
45	Engineering an inducible gene expression system for <i>Bacillus subtilis</i> from a strong constitutive promoter and a theophylline-activated synthetic riboswitch. <i>Microbial Cell Factories</i> , 2016, 15, 199.	1.9	33
46	Enhancement of a high efficient autoinducible expression system in <i>Bacillus subtilis</i> by promoter engineering. <i>Protein Expression and Purification</i> , 2016, 127, 81-87.	0.6	32
47	Metabolic engineering strategies for D-lactate over production in <i>Escherichia coli</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 576-584.	1.6	10
48	Development of an efficient autoinducible expression system by promoter engineering in <i>Bacillus subtilis</i> . <i>Microbial Cell Factories</i> , 2016, 15, 66.	1.9	61
49	A switch in a substrate tunnel for directing regioselectivity of nitrile hydratases towards β -dinitriles. <i>Catalysis Science and Technology</i> , 2016, 6, 1292-1296.	2.1	13
50	MicroRNA-148b enhances proliferation and apoptosis in human renal cancer cells via directly targeting MAP3K9. <i>Molecular Medicine Reports</i> , 2016, 13, 83-90.	1.1	22
51	Limitation of thiamine pyrophosphate supply to growing <i>Escherichia coli</i> switches metabolism to efficient α -lactate formation. <i>Biotechnology and Bioengineering</i> , 2016, 113, 182-188.	1.7	8
52	Construction of a highly active secretory expression system via an engineered dual promoter and a highly efficient signal peptide in <i>Bacillus subtilis</i> . <i>New Biotechnology</i> , 2016, 33, 372-379.	2.4	63
53	Efficient L-Alanine Production by a Thermo-Regulated Switch in <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 324-337.	1.4	33
54	Construction and development of an auto-regulatory gene expression system in <i>Bacillus subtilis</i> . <i>Microbial Cell Factories</i> , 2015, 14, 150.	1.9	65

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55	Sesquiterpenes from the essential oil of <i>Curcuma wenyujin</i> and their inhibitory effects on nitric oxide production. <i>FÄ-toterapÄ-Äç</i> , 2015, 103, 143-148.	1.1	24
56	Enhanced Thermal Stability and Hydrolytic Ability of <i>Bacillus subtilis</i> Aminopeptidase by Removing the Thermal Sensitive Domain in the Non-Catalytic Region. <i>PLoS ONE</i> , 2014, 9, e92357.	1.1	21
57	pH-Dependent Activation of <i>Streptomyces hygrosopicus</i> Transglutaminase Mediated by Intein. <i>Applied and Environmental Microbiology</i> , 2014, 80, 723-729.	1.4	8
58	Significance of Arg3, Arg54, and Tyr58 of l-aspartate ð±-decarboxylase from <i>Corynebacterium glutamicum</i> in the process of self-cleavage. <i>Biotechnology Letters</i> , 2014, 36, 121-126.	1.1	9
59	Synthesized Magnetic Manganese Ferrite Nanoparticles on Activated Carbon for Sulfamethoxazole Removal. <i>Clean - Soil, Air, Water</i> , 2014, 42, 1199-1207.	0.7	48
60	Improvement of stability of nitrile hydratase via protein fragment swapping. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 401-408.	1.0	31
61	Metabolic engineering of <i>Escherichia coli</i> for improving shikimate synthesis from glucose. <i>Bioresource Technology</i> , 2014, 166, 64-71.	4.8	41
62	Mechanism-based site-directed mutagenesis to shift the optimum pH of the phenylalanine ammonia-lyase from <i>Rhodotorula glutinis</i> JN-1. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2014, 3, 21-26.	2.1	13
63	Efficient Preparation of Enantiopure D-Phenylalanine through Asymmetric Resolution Using Immobilized Phenylalanine Ammonia-Lyase from <i>Rhodotorula glutinis</i> JN-1 in a Recirculating Packed-Bed Reactor. <i>PLoS ONE</i> , 2014, 9, e108586.	1.1	27
64	Effects of SBA-15 and its content on MMA solution polymerization and PMMA composites. <i>Iranian Polymer Journal (English Edition)</i> , 2013, 22, 571-578.	1.3	8
65	Amphibious fluorescent carbon dots: one-step green synthesis and application for light-emitting polymer nanocomposites. <i>Chemical Communications</i> , 2013, 49, 8078.	2.2	150
66	Metabolic engineering of <i>Escherichia coli</i> : A sustainable industrial platform for bio-based chemical production. <i>Biotechnology Advances</i> , 2013, 31, 1200-1223.	6.0	181
67	An implementation of MIMO detection in TD-LTE based on General Purpose Processor. , 2012, , .		0
68	Fine tuning the transcription of <i>ldhA</i> for <i>d</i> -lactate production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 1209-1217.	1.4	5
69	Genetically switched <i>d</i> -lactate production in <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2012, 14, 560-568.	3.6	81
70	Improvement of <i>d</i> -lactate productivity in recombinant <i>Escherichia coli</i> by coupling production with growth. <i>Biotechnology Letters</i> , 2012, 34, 1123-1130.	1.1	17
71	Evaluation of Genetic Manipulation Strategies on <i>d</i> -Lactate Production by <i>Escherichia coli</i> . <i>Current Microbiology</i> , 2011, 62, 981-989.	1.0	64
72	Facile Functionalization of Multilayer Fullerenes (Carbon Nanoâ€Onions) by Nitrene Chemistry and â€Grafting fromâ€Strategy. <i>Chemistry - A European Journal</i> , 2009, 15, 1389-1396.	1.7	78

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73	Improved Succinic Acid Production in the Anaerobic Culture of an <i>Escherichia coli</i> <i>pf1B</i> <i>ldhA</i> Double Mutant as a Result of Enhanced Anaplerotic Activities in the Preceding Aerobic Culture. <i>Applied and Environmental Microbiology</i> , 2007, 73, 7837-7843.	1.4	101
74	Consumer-Centric Web Services Discovery and Subscription. , 2007, , .		8