

Jibin SUn

List of Publications by Year in descending order

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145
papers

5,940
citations

81743

39
h-index

88477

70
g-index

155
all docs

155
docs citations

155
times ranked

6147
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome sequencing and analysis of the versatile cell factory <i>Aspergillus niger</i> CBS 513.88. <i>Nature Biotechnology</i> , 2007, 25, 221-231.	9.4	1,047
2	Is autoinducer-2 a universal signal for interspecies communication: a comparative genomic and phylogenetic analysis of the synthesis and signal transduction pathways. <i>BMC Evolutionary Biology</i> , 2004, 4, 36.	3.2	230
3	Transcriptomic response of the mycoparasitic fungus <i>Trichoderma atroviride</i> to the presence of a fungal prey. <i>BMC Genomics</i> , 2009, 10, 567.	1.2	141
4	MACBETH: Multiplex automated <i>Corynebacterium glutamicum</i> base editing method. <i>Metabolic Engineering</i> , 2018, 47, 200-210.	3.6	139
5	The intra- and extracellular proteome of <i>Aspergillus niger</i> growing on defined medium with xylose or maltose as carbon substrate. <i>Microbial Cell Factories</i> , 2010, 9, 23.	1.9	131
6	Biomufacturing: history and perspective. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 773-784.	1.4	104
7	Non-Sterilized Fermentative Production of Polymer-Grade L-Lactic Acid by a Newly Isolated Thermophilic Strain <i>Bacillus</i> sp. <i>PLoS ONE</i> , 2009, 4, e4359.	1.1	103
8	Development of a CRISPR/Cas9 genome editing toolbox for <i>Corynebacterium glutamicum</i> . <i>Microbial Cell Factories</i> , 2017, 16, 205.	1.9	103
9	The 2008 update of the <i>Aspergillus nidulans</i> genome annotation: A community effort. <i>Fungal Genetics and Biology</i> , 2009, 46, S2-S13.	0.9	99
10	Metabolic engineering of <i>Escherichia coli</i> for de novo biosynthesis of vitamin B12. <i>Nature Communications</i> , 2018, 9, 4917.	5.8	99
11	5S rRNA Promoter for Guide RNA Expression Enabled Highly Efficient CRISPR/Cas9 Genome Editing in <i>Aspergillus niger</i> . <i>ACS Synthetic Biology</i> , 2019, 8, 1568-1574.	1.9	96
12	Engineering <i>Corynebacterium glutamicum</i> for methanol-dependent growth and glutamate production. <i>Metabolic Engineering</i> , 2018, 49, 220-231.	3.6	95
13	Biodiversity and evolution of primary carbon metabolism in <i>Aspergillus nidulans</i> and other <i>Aspergillus</i> spp.. <i>Fungal Genetics and Biology</i> , 2009, 46, S19-S44.	0.9	93
14	Moulding the mould: understanding and reprogramming filamentous fungal growth and morphogenesis for next generation cell factories. <i>Biotechnology for Biofuels</i> , 2019, 12, 77.	6.2	92
15	Combined use of proteomic analysis and enzyme activity assays for metabolic pathway analysis of glycerol fermentation by <i>Klebsiella pneumoniae</i> . <i>Biotechnology and Bioengineering</i> , 2003, 83, 525-536.	1.7	87
16	Comparative Genomic Analysis of <i>dha</i> Regulon and Related Genes for Anaerobic Glycerol Metabolism in Bacteria. <i>Biotechnology Progress</i> , 2003, 19, 263-272.	1.3	81
17	Precisely Controlled Up/Down Conversion Liquid and Solid State Photoluminescence of Carbon Dots. <i>Advanced Optical Materials</i> , 2018, 6, 1800115.	3.6	79
18	Tet-on, or Tet-off, that is the question: Advanced conditional gene expression in <i>Aspergillus</i> . <i>Fungal Genetics and Biology</i> , 2016, 89, 72-83.	0.9	77

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19	Biofuel production by in vitro synthetic enzymatic pathway biotransformation. <i>Current Opinion in Biotechnology</i> , 2010, 21, 663-669.	3.3	76
20	Overexpression of genes of the dha regulon and its effects on cell growth, glycerol fermentation to 1,3-propanediol and plasmid stability in <i>Klebsiella pneumoniae</i> . <i>Process Biochemistry</i> , 2006, 41, 2160-2169.	1.8	73
21	Systems metabolic engineering for citric acid production by <i>Aspergillus niger</i> in the post-genomic era. <i>Microbial Cell Factories</i> , 2019, 18, 28.	1.9	71
22	Study of the collapse mechanism of shield tunnels due to the failure of segments in sandy ground. <i>Engineering Failure Analysis</i> , 2017, 79, 464-490.	1.8	70
23	Biosensor-Based Evolution and Elucidation of a Biosynthetic Pathway in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2017, 6, 837-848.	1.9	64
24	Promoter Screening from <i>Bacillus subtilis</i> in Various Conditions Hunting for Synthetic Biology and Industrial Applications. <i>PLoS ONE</i> , 2016, 11, e0158447.	1.1	62
25	Coevolutionary Analysis Enabled Rational Deregulation of Allosteric Enzyme Inhibition in <i>Corynebacterium glutamicum</i> for Lysine Production. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4352-4360.	1.4	61
26	Novel (2,3-Butanediol Dehydrogenase from Potential Industrial Strain <i>Paenibacillus polymyxa</i> ATCC 12321. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4230-4233.	1.4	61
27	Genomic peculiarity of coding sequences and metabolic potential of probiotic <i>Escherichia coli</i> strain Nissle 1917 inferred from raw genome data. <i>Journal of Biotechnology</i> , 2005, 117, 147-161.	1.9	57
28	A novel strategy for protein production using non-classical secretion pathway in <i>Bacillus subtilis</i> . <i>Microbial Cell Factories</i> , 2016, 15, 69.	1.9	57
29	Synthetic Methylophony: A Practical Solution for Methanol-Based Biomanufacturing. <i>Trends in Biotechnology</i> , 2020, 38, 650-666.	4.9	56
30	Developing a high-throughput screening method for threonine overproduction based on an artificial promoter. <i>Microbial Cell Factories</i> , 2015, 14, 121.	1.9	55
31	Adaptive laboratory evolution enhances methanol tolerance and conversion in engineered <i>Corynebacterium glutamicum</i> . <i>Communications Biology</i> , 2020, 3, 217.	2.0	52
32	Metabolic peculiarities of <i>Aspergillus niger</i> disclosed by comparative metabolic genomics. <i>Genome Biology</i> , 2007, 8, R182.	13.9	51
33	High-throughput metagenomic analysis of petroleum-contaminated soil microbiome reveals the versatility in xenobiotic aromatics metabolism. <i>Journal of Environmental Sciences</i> , 2017, 56, 25-35.	3.2	50
34	Metabolic modelling of syntrophic-like growth of a 1,3-propanediol producer, <i>Clostridium butyricum</i> , and a methanogenic archaeon, <i>Methanosarcina mazei</i> , under anaerobic conditions. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 507-523.	1.7	49
35	Integrating molecular dynamics and co-evolutionary analysis for reliable target prediction and deregulation of the allosteric inhibition of aspartokinase for amino acid production. <i>Journal of Biotechnology</i> , 2011, 154, 248-254.	1.9	49
36	A Novel <i>Corynebacterium glutamicum</i> -Glutamate Exporter. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	49

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37	In-situ generation of large numbers of genetic combinations for metabolic reprogramming via CRISPR-guided base editing. <i>Nature Communications</i> , 2021, 12, 678.	5.8	44
38	Exploring the allosteric mechanism of dihydrodipicolinate synthase by reverse engineering of the allosteric inhibitor binding sites and its application for lysine production. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 1963-1971.	1.7	43
39	Remarkable nonlinear optical response of pyrazine-fused trichalcogenasumanenes and their application for optical power limiting. <i>Journal of Materials Chemistry C</i> , 2018, 6, 13114-13119.	2.7	42
40	Expanding targeting scope, editing window, and base transition capability of base editing in <i>Corynebacterium glutamicum</i> . <i>Biotechnology and Bioengineering</i> , 2019, 116, 3016-3029.	1.7	42
41	A quantitative image analysis pipeline for the characterization of filamentous fungal morphologies as a tool to uncover targets for morphology engineering: a case study using apLD in <i>Aspergillus niger</i> . <i>Biotechnology for Biofuels</i> , 2019, 12, 149.	6.2	42
42	Microbial Base Editing: A Powerful Emerging Technology for Microbial Genome Engineering. <i>Trends in Biotechnology</i> , 2021, 39, 165-180.	4.9	42
43	Improving the Production of L-Phenylalanine by Identifying Key Enzymes Through Multi-Enzyme Reaction System in Vitro. <i>Scientific Reports</i> , 2016, 6, 32208.	1.6	41
44	IdentiCS—identification of coding sequence and in silico reconstruction of the metabolic network directly from unannotated low-coverage bacterial genome sequence. <i>BMC Bioinformatics</i> , 2004, 5, 112.	1.2	40
45	Evolving the <i>Escherichia coli</i> -lysine high-producing strain of <i>Escherichia coli</i> using a newly developed high-throughput screening method. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 1227-1235.	1.4	39
46	Complete genome sequence and transcriptomic analysis of a novel marine strain <i>Bacillus weihaiensis</i> reveals the mechanism of brown algae degradation. <i>Scientific Reports</i> , 2016, 6, 38248.	1.6	39
47	Metabolic engineering of <i>Corynebacterium glutamicum</i> by synthetic small regulatory RNAs. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 203-208.	1.4	39
48	Efficient bioproduction of 5-aminolevulinic acid, a promising biostimulant and nutrient, from renewable bioresources by engineered <i>Corynebacterium glutamicum</i> . <i>Biotechnology for Biofuels</i> , 2020, 13, 41.	6.2	39
49	ReacKnock: Identifying Reaction Deletion Strategies for Microbial Strain Optimization Based on Genome-Scale Metabolic Network. <i>PLoS ONE</i> , 2013, 8, e72150.	1.1	39
50	CRISPR-assisted rational flux-tuning and arrayed CRISPRi screening of an L-proline exporter for L-proline hyperproduction. <i>Nature Communications</i> , 2022, 13, 891.	5.8	39
51	Study and reengineering of the binding sites and allosteric regulation of biosynthetic threonine deaminase by isoleucine and valine in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 2939-2949.	1.7	38
52	Heterologous and endogenous U6 snRNA promoters enable CRISPR/Cas9 mediated genome editing in <i>Aspergillus niger</i> . <i>Fungal Biology and Biotechnology</i> , 2018, 5, 2.	2.5	38
53	Opening two benzene rings on trichalcogenasumanenes toward high performance organic optical-limiting materials. <i>Chemical Communications</i> , 2018, 54, 10981-10984.	2.2	37
54	Enhancing 5-aminolevulinic acid tolerance and production by engineering the antioxidant defense system of <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2019, 116, 2018-2028.	1.7	36

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55	Biological conversion of methanol by evolved <i>Escherichia coli</i> carrying a linear methanol assimilation pathway. <i>Bioresources and Bioprocessing</i> , 2017, 4, .	2.0	35
56	Functional characterization of the gene PA2384 in large-scale gene regulation in response to iron starvation in <i>Pseudomonas aeruginosa</i> . <i>Journal of Biotechnology</i> , 2007, 132, 342-352.	1.9	34
57	Production of 5-aminolevulinic acid by cell free multi-enzyme catalysis. <i>Journal of Biotechnology</i> , 2016, 226, 8-13.	1.9	34
58	Metallated Graphynes as a New Class of Photofunctional 2D Organometallic Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11326-11334.	7.2	34
59	Efficient Multiplex Gene Repression by CRISPR-dCpf1 in <i>Corynebacterium glutamicum</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 357.	2.0	33
60	A genome-wide study of two-component signal transduction systems in eight newly sequenced mutans streptococci strains. <i>BMC Genomics</i> , 2012, 13, 128.	1.2	31
61	Engineering of recombinant <i>E. coli</i> cells expressing poly(β -glutamic acid (β -PGA)) synthetase and glutamate racemase for differential yielding of β -PGA. <i>Microbial Biotechnology</i> , 2013, 6, 675-684.	2.0	30
62	Determination of key enzymes for threonine synthesis through in vitro metabolic pathway analysis. <i>Microbial Cell Factories</i> , 2015, 14, 86.	1.9	30
63	Conjugated Random Donor-Acceptor Copolymers of [1]Benzothieno[3,2- <i>b</i>]benzothiophene and Diketopyrrolopyrrole Units for High Performance Polymeric Semiconductor Applications. <i>Macromolecules</i> , 2016, 49, 6334-6342.	2.2	30
64	Engineering Artificial Fusion Proteins for Enhanced Methanol Bioconversion. <i>ChemBioChem</i> , 2018, 19, 2465-2471.	1.3	30
65	Efficient Construction of Near-Infrared Absorption Donor-Acceptor Copolymers with and without Pt(II)-Incorporation toward Broadband Nonlinear Optical Materials. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2944-2951.	4.0	29
66	Protein identification from two-dimensional gel electrophoresis analysis of by combined use of mass spectrometry data and raw genome sequences. <i>Proteome Science</i> , 2003, 1, 6.	0.7	26
67	Multimer recognition and secretion by the non-classical secretion pathway in <i>Bacillus subtilis</i> . <i>Scientific Reports</i> , 2017, 7, 44023.	1.6	26
68	Cloning of two 5-aminolevulinic acid synthase isozymes HemA and HemO from <i>Rhodospseudomonas palustris</i> with favorable characteristics for 5-aminolevulinic acid production. <i>Biotechnology Letters</i> , 2013, 35, 763-768.	1.1	24
69	An extended bioreaction database that significantly improves reconstruction and analysis of genome-scale metabolic networks. <i>Integrative Biology (United Kingdom)</i> , 2011, 3, 1071-1086.	0.6	23
70	Molecular and Crystal Structure Diversity, and Physical Properties of Tetrathiafulvalene Derivatives Substituted with Various Aryl Groups through Sulfur Bridges. <i>Chemistry - A European Journal</i> , 2013, 19, 12517-12525.	1.7	23
71	Straightforward access to aryl-substituted/fused 1,3-dithiole-2-chalcogenones by Cu-catalyzed C-S coupling between aryl iodides and zinc-thiolate complex (TBA) ₂ [Zn(DMIT) ₂]. <i>RSC Advances</i> , 2013, 3, 10193.	1.7	23
72	Diketopyrrolopyrrole based donor-acceptor π -conjugated copolymers with near-infrared absorption for 532 and 1064 nm nonlinear optical materials. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12993-13000.	2.7	23

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73	Broadband optical limiting of a novel twisted tetrathiafulvalene incorporated donor-acceptor material and its Ormosil gel glasses. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8495-8501.	2.7	22
74	Functional exploration of co-expression networks identifies a nexus for modulating protein and citric acid titres in <i>Aspergillus niger</i> submerged culture. <i>Fungal Biology and Biotechnology</i> , 2019, 6, 18.	2.5	22
75	Multistage regulation strategy as a tool to control the vertical displacement of railway tracks placed over the building site of two overlapped shield tunnels. <i>Tunnelling and Underground Space Technology</i> , 2019, 83, 282-290.	3.0	22
76	Disruption or reduced expression of the orotidine-5 α -decarboxylase gene <i>pyrG</i> increases citric acid production: a new discovery during recyclable genome editing in <i>Aspergillus niger</i> . <i>Microbial Cell Factories</i> , 2020, 19, 76.	1.9	22
77	Experimental study on surface settlements induced by sequential excavation of two parallel tunnels in drained granular soil. <i>Tunnelling and Underground Space Technology</i> , 2020, 98, 103347.	3.0	21
78	Genome Sequence of the Thermophilic Strain <i>Bacillus coagulans</i> 2-6, an Efficient Producer of High-Optical-Purity <i>D</i> -Lactic Acid. <i>Journal of Bacteriology</i> , 2011, 193, 4563-4564.	1.0	20
79	GREACE-assisted adaptive laboratory evolution in endpoint fermentation broth enhances lysine production by <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2019, 18, 106.	1.9	19
80	CRISPR/Cas13d-Mediated Microbial RNA Knockdown. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 856.	2.0	19
81	Honeycomb supramolecular frameworks of organic-inorganic hybrid cluster composed of cation radical and Keggin-type polyoxometalate. <i>CrystEngComm</i> , 2015, 17, 4110-4116.	1.3	18
82	Enhancement of the thermal and alkaline pH stability of <i>Escherichia coli</i> lysine decarboxylase for efficient cadaverine production. <i>Biotechnology Letters</i> , 2018, 40, 719-727.	1.1	18
83	Comprehensive Improvement of Sample Preparation Methodologies Facilitates Dynamic Metabolomics of <i>Aspergillus niger</i> . <i>Biotechnology Journal</i> , 2019, 14, 1800315.	1.8	18
84	Simultaneously improving the activity and thermostability of a new proline 4-hydroxylase by loop grafting and site-directed mutagenesis. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 265-277.	1.7	18
85	A newly isolated and identified vitamin B12 producing strain: <i>Sinorhizobium meliloti</i> 320. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1527-1537.	1.7	17
86	Turning Inside Out: Filamentous Fungal Secretion and Its Applications in Biotechnology, Agriculture, and the Clinic. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 535.	1.5	17
87	A protein database constructed from low-coverage genomic sequence of <i>Bacillus megaterium</i> and its use for accelerated proteomic analysis. <i>Journal of Biotechnology</i> , 2006, 124, 486-495.	1.9	16
88	Proteomic characterization of transient expression and secretion of a stress-related metalloprotease in high cell density culture of <i>Bacillus megaterium</i> . <i>Journal of Biotechnology</i> , 2006, 126, 313-324.	1.9	16
89	Decorating Tetrathiafulvalene (TTF) with Fluorinated Phenyls through Sulfur Bridges: Facile Synthesis, Properties, and Aggregation through Fluorine Interactions. <i>Chemistry - A European Journal</i> , 2014, 20, 9650-9656.	1.7	16
90	Modelling ground movements near a pressurised tunnel heading in drained granular soil. <i>Computers and Geotechnics</i> , 2018, 104, 152-166.	2.3	16

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91	Isoleucyl-tRNA synthetase mutant based whole-cell biosensor for high-throughput selection of isoleucine overproducers. <i>Biosensors and Bioelectronics</i> , 2021, 172, 112783.	5.3	16
92	Comprehensively dissecting the hub regulation of PkaC on high-productivity and pellet macromorphology in citric acid producing <i>Aspergillus niger</i> . <i>Microbial Biotechnology</i> , 2022, 15, 1867-1882.	2.0	16
93	A food-grade expression system for d-psicose 3-epimerase production in <i>Bacillus subtilis</i> using an alanine racemase-encoding selection marker. <i>Bioresources and Bioprocessing</i> , 2017, 4, 9.	2.0	15
94	Growth-coupled evolution of phosphoketolase to improve l-glutamate production by <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8413-8425.	1.7	14
95	Application of Dynamic Regulation to Increase L-Phenylalanine Production in <i>Escherichia coli</i> . <i>Journal of Microbiology and Biotechnology</i> , 2019, 29, 923-932.	0.9	14
96	Comprehensive optimization of the metabolomic methodology for metabolite profiling of <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 7113-7121.	1.7	13
97	Discovery and investigation of a new, second triose phosphate isomerase in <i>Klebsiella pneumoniae</i> . <i>Journal of Biotechnology</i> , 2006, 125, 462-473.	1.9	12
98	Development of thermodynamic optimum searching (TOS) to improve the prediction accuracy of flux balance analysis. <i>Biotechnology and Bioengineering</i> , 2013, 110, 914-923.	1.7	12
99	Inclusion complexes of fullerenes with flexible tetrathiafulvalene derivatives bearing four aryls through sulfur bridges. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8071-8076.	2.7	12
100	In Vitro Optimization of Enzymes Involved in Precorrin-2 Synthesis Using Response Surface Methodology. <i>PLoS ONE</i> , 2016, 11, e0151149.	1.1	12
101	Experimental Research on the Transverse Effective Bending Rigidity of Shield Tunnels. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-17.	0.4	12
102	Engineering synthetic auxotrophs for growth-coupled directed protein evolution. <i>Trends in Biotechnology</i> , 2022, 40, 773-776.	4.9	12
103	The adjustment of bandgap and coplanarity of diketopyrrolopyrrole-based copolymers through fine-tuning of the conjugated backbones and applications in thin film field effect transistors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9359-9365.	2.7	11
104	Evaluation of <i>Aspergillus niger</i> Six Constitutive Strong Promoters by Fluorescent-Auxotrophic Selection Coupled with Flow Cytometry: A Case for Citric Acid Production. <i>Journal of Fungi (Basel)</i> , 2021, 6, 1010.	1.5	10
105	Donor-acceptor type co-crystals of arylthio-substituted tetrathiafulvalenes and fullerenes. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 1043-1051.	1.3	10
106	Explanation for twin tunnelling-induced surface settlements by changes in soil stiffness on account of stress history. <i>Tunnelling and Underground Space Technology</i> , 2019, 85, 160-169.	3.0	10
107	Copper ion salts of arylthiotetrathiafulvalenes: synthesis, structure diversity and magnetic properties. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 850-859.	1.3	9
108	Characterization of a new lysine decarboxylase from <i>Aliivibrio salmonicida</i> for cadaverine production at alkaline pH. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, S88-S94.	1.8	9

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109	In situ hydrosilane reduction and preparation of gold nanoparticle-gel glass composites with nonlinear optical properties. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5624-5629.	2.7	9
110	Strong optical limiting properties of Ormosil gel glasses doped with silver nano-particles. <i>New Journal of Chemistry</i> , 2019, 43, 6274-6278.	1.4	9
111	Promoting Lignin Valorization by Coping with Toxic C1 Byproducts. <i>Trends in Biotechnology</i> , 2021, 39, 331-335.	4.9	9
112	Essential O ₂ -responsive genes of <i>Pseudomonas aeruginosa</i> and their network revealed by integrating dynamic data from inverted conditions. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 215.	0.6	8
113	Complete genome sequence of <i>Corynebacterium glutamicum</i> B253, a Chinese lysine-producing strain. <i>Journal of Biotechnology</i> , 2015, 207, 10-11.	1.9	8
114	Broadband optical limiting and nonlinear optical graphene oxide co-polymerization Ormosil glasses. <i>Advanced Composites and Hybrid Materials</i> , 2018, 1, 397-403.	9.9	8
115	Eulerian finite element model for stability analysis of circular tunnels in undrained clay. <i>Engineering Failure Analysis</i> , 2018, 91, 216-224.	1.8	8
116	Enhancing thermostability and removing hemin inhibition of <i>Rhodospseudomonas palustris</i> 5-aminolevulinic acid synthase by computer-aided rational design. <i>Biotechnology Letters</i> , 2019, 41, 181-191.	1.1	8
117	A Library of <i>Aspergillus niger</i> Chassis Strains for Morphology Engineering Connects Strain Fitness and Filamentous Growth With Submerged Macromorphology. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 820088.	2.0	8
118	Removal of Feedback Inhibition of <i>Corynebacterium glutamicum</i> Phosphoenolpyruvate Carboxylase by Addition of a Short Terminal Peptide. <i>Biotechnology and Bioprocess Engineering</i> , 2018, 23, 72-78.	1.4	7
119	Mutations in Peptidoglycan Synthesis Gene <i>ponA</i> Improve Electrotransformation Efficiency of <i>Corynebacterium glutamicum</i> ATCC 13869. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	7
120	Migratory Shift in Oxidative Cyclodehydrogenation Reaction of Tetraphenylethylenes Containing Electron-Rich THDTAP Moiety. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1860-1869.	1.7	7
121	Draft Genome Sequence of <i>Lactococcus lactis</i> subsp. <i>lactis</i> Strain YF11. <i>Genome Announcements</i> , 2013, 1, .	0.8	6
122	Efficient Biosynthesis of Succinate from Paper Mill Wastewater by Engineered <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 1195-1208.	1.4	6
123	Transcriptome analysis reveals the roles of nitrogen metabolism and sedoheptulose biphosphatase pathway in methanol-dependent growth of <i>Corynebacterium glutamicum</i> . <i>Microbial Biotechnology</i> , 2021, 14, 1797-1808.	2.0	6
124	Development of a Hyperosmotic Stress Inducible Gene Expression System by Engineering the MtrA/MtrB-Dependent NCgl1418 Promoter in <i>Corynebacterium glutamicum</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 718511.	1.5	6
125	Identification of a new gene <i>yecC</i> involved in threonine export in <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2017, 364, .	0.7	5
126	Find_tfSBP: find thermodynamics-feasible and smallest balanced pathways with high yield from large-scale metabolic networks. <i>Scientific Reports</i> , 2017, 7, 17334.	1.6	5

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127	Crystal structure of 5-Aminolevulinate synthase HemA from Rhodospseudomonas palustris presents multiple conformations. Biochemical and Biophysical Research Communications, 2022, 609, 100-104.	1.0	5
128	Metabolic Networks. , 0, , 233-253.		4
129	Driving Green Growth: Innovation at the Tianjin Institute of Industrial Biotechnology. Industrial Biotechnology, 2015, 11, 151-153.	0.5	4
130	Construction and Analysis of the Model of Energy Metabolism in E. coli. PLoS ONE, 2013, 8, e55137.	1.1	4
131	Mechanism and countermeasures of domino-like failure in underground pre-fabricated structures. Engineering Failure Analysis, 2020, 115, 104603.	1.8	4
132	Structures and physical properties of magnetic organic conductors based on bent donor molecule EDT-EDSe-TTFVS. Synthetic Metals, 2012, 162, 1809-1814.	2.1	3
133	Modeling and parameters identification of 2-keto-l-gulonic acid fed-batch fermentation. Bioprocess and Biosystems Engineering, 2015, 38, 605-614.	1.7	3
134	Efficient production of trans-3-hydroxyproline by a bacterial trans-3-proline hydroxylase and characterization of enzymatic properties. Biochemical Engineering Journal, 2019, 147, 57-61.	1.8	3
135	Metallated Graphynes as a New Class of Photofunctional 2D Organometallic Nanosheets. Angewandte Chemie, 2021, 133, 11427-11435.	1.6	3
136	Quasi-one-dimensional (Q1D) organic Mott insulators based on bent donor molecule EDO-EDSe-TTFVS. Synthetic Metals, 2012, 162, 2342-2348.	2.1	2
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