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List of Publications by Year
in descending order

65	2,616	172457	206112
papers	citations	29 h-index	48 g-index

67	67	67	2412
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	One-step high-efficiency CRISPR/Cas9-mediated genome editing in <italic>Streptomyces</italic>. Acta Biochimica Et Biophysica Sinica, 2015, 47, 231-243.	2.0	257
2	CRISPR/Cas9-Based Efficient Genome Editing in Clostridium ljungdahlii, an Autotrophic Gas-Fermenting Bacterium. ACS Synthetic Biology, 2016, 5, 1355-1361.	3.8	171
3	CRISPRâ€based genome editing and expression control systems in Clostridium acetobutylicum and Clostridium beijerinckii. Biotechnology Journal, 2016, 11, 961-972.	3.5	153
4	Current status and prospects of industrial bio-production of n-butanol in China. Biotechnology Advances, 2015, 33, 1493-1501.	11.7	148
5	CRISPR-Cpf1-Assisted Multiplex Genome Editing and Transcriptional Repression in Streptomyces. Applied and Environmental Microbiology, 2018, 84, .	3.1	107
6	Multiplexed site-specific genome engineering for overproducing bioactive secondary metabolites in actinomycetes. Metabolic Engineering, 2017, 40, 80-92.	7.0	83
7	High-Efficiency Scarless Genetic Modification in Escherichia coli by Using Lambda Red Recombination and I-SceI Cleavage. Applied and Environmental Microbiology, 2014, 80, 3826-3834.	3.1	81
8	A stepwise increase in pristinamycin II biosynthesis by Streptomyces pristinaespiralis through combinatorial metabolic engineering. Metabolic Engineering, 2015, 29, 12-25.	7.0	71
9	Utilization of economical substrate-derived carbohydrates by solventogenic clostridia: pathway dissection, regulation and engineering. Current Opinion in Biotechnology, 2014, 29, 124-131.	6.6	69
10	CRISPR/dCas9â€Mediated Multiplex Gene Repression in Streptomyces. Biotechnology Journal, 2018, 13, e1800121.	3.5	62
11	Redox-Responsive Repressor Rex Modulates Alcohol Production and Oxidative Stress Tolerance in Clostridium acetobutylicum. Journal of Bacteriology, 2014, 196, 3949-3963.	2.2	60
12	Molecular modulation of pleiotropic regulator CcpA for glucose and xylose coutilization by solvent-producing Clostridium acetobutylicum. Metabolic Engineering, 2015, 28, 169-179.	7.0	58
13	Phage serine integrase-mediated genome engineering for efficient expression of chemical biosynthetic pathway in gas-fermenting Clostridium ljungdahlii. Metabolic Engineering, 2019, 52, 293-302.	7.0	58
14	Synthetic biology approaches for chromosomal integration of genes and pathways in industrial microbial systems. Biotechnology Advances, 2019, 37, 730-745.	11.7	57
15	CRISPRâ€“Cas9^{D10A} nickaseâ€assisted base editing in the solvent producer Clostridium beijerinckii. Biotechnology and Bioengineering, 2019, 116, 1475-1483.	3.3	57
16	CRISPR-Cas12a-Mediated Gene Deletion and Regulation in Clostridium ljungdahlii and Its Application in Carbon Flux Redirection in Synthesis Gas Fermentation. ACS Synthetic Biology, 2019, 8, 2270-2279.	3.8	54
17	Enhanced alcohol titre and ratio in carbon monoxide-rich off-gas fermentation of Clostridium carboxidivorans through combination of trace metals optimization with variable-temperature cultivation. Bioresource Technology, 2017, 239, 236-243.	9.6	49
18	Developing an endogenous quorum-sensing based CRISPRi circuit for autonomous and tunable dynamic regulation of multiple targets in Streptomyces. Nucleic Acids Research, 2020, 48, 8188-8202.	14.5	46

#	Article	IF	Citations
19	Discovery of an ene-reductase for initiating flavone and flavonol catabolism in gut bacteria. Nature Communications, 2021, 12, 790.	12.8	46
20	A Flexible Binding Site Architecture Provides New Insights into CcpA Global Regulation in Gram-Positive Bacteria. MBio, 2017, 8, .	4.1	44
21	aMSGE: advanced multiplex site-specific genome engineering with orthogonal modular recombinases in actinomycetes. Metabolic Engineering, 2019, 52, 153-167.	7.0	42
22	New strategies and approaches for engineering biosynthetic gene clusters of microbial natural products. Biotechnology Advances, 2017, 35, 936-949.	11.7	41
23	Clostridia: a flexible microbial platform for the production of alcohols. Current Opinion in Chemical Biology, 2016, 35, 65-72.	6.1	39
24	A Transcriptional Regulator Sll0794 Regulates Tolerance to Biofuel Ethanol in Photosynthetic Synechocystis sp. PCC 6803. Molecular and Cellular Proteomics, 2014, 13, 3519-3532.	3.8	37
25	I-SceI-mediated scarless gene modification via allelic exchange in Clostridium. Journal of Microbiological Methods, 2015, 108, 49-60.	1.6	37
26	Combined overexpression of genes involved in pentose phosphate pathway enables enhanced d-xylose utilization by Clostridium acetobutylicum. Journal of Biotechnology, 2014, 173, 7-9.	3.8	32
27	Rapid Generation of Universal Synthetic Promoters for Controlled Gene Expression in Both Gas-Fermenting and Saccharolytic Clostridium Species. ACS Synthetic Biology, 2017, 6, 1672-1678.	3.8	32
28	Complete genome sequence of Clostridium carboxidivorans P7T, a syngas-fermenting bacterium capable of producing long-chain alcohols. Journal of Biotechnology, 2015, 211, 44-45.	3.8	31
29	Metabolic engineering of Streptomyces coelicolor for enhanced prodigiosins (RED) production. Science China Life Sciences, 2017, 60, 948-957.	4.9	30
30	Metabolic regulation in solventogenic clostridia: regulators, mechanisms and engineering. Biotechnology Advances, 2018, 36, 905-914.	11.7	30
31	Multiplex genome editing using a dCas9-cytidine deaminase fusion in Streptomyces. Science China Life Sciences, 2020, 63, 1053-1062.	4.9	28
32	Engineering Clostridium ljungdahlii as the gas-fermenting cell factory for the production of biofuels and biochemicals. Current Opinion in Chemical Biology, 2020, 59, 54-61.	6.1	28
33	Metabolic Engineering of Gas-Fermenting Clostridium ljungdahlii for Efficient Co-production of Isopropanol, 3-Hydroxybutyrate, and Ethanol. ACS Synthetic Biology, 2021, 10, 2628-2638.	3.8	28
34	Recent Advances in Synthetic Biology Approaches to Optimize Production of Bioactive Natural Products in Actinobacteria. Frontiers in Microbiology, 2019, 10, 2467.	3.5	27
35	A novel regulatory pathway consisting of a two-component system and an ABC-type transporter contributes to butanol tolerance in Clostridium acetobutylicum. Applied Microbiology and Biotechnology, 2020, 104, 5011-5023.	3.6	26
36	A Novel Dual- cre Motif Enables Two-Way Autoregulation of CcpA in Clostridium acetobutylicum. Applied and Environmental Microbiology, 2018, 84, .	3.1	25

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37	<scp>PTS</scp> regulation domainâ€containing transcriptional activator Cel<scp>R</scp> and sigma factor Ïƒ⁵⁴ control cellobiose utilization in <scp>C</scp>lostridium acetobutylicum. Molecular Microbiology, 2016, 100, 289-302.	2.5	24
38	Roles of two-component system AfsQ1/Q2 in regulating biosynthesis of the yellow-pigmented coelimycin P2 inStreptomyces coelicolor. FEMS Microbiology Letters, 2016, 363, fnw160.	1.8	23
39	Molecular mechanism of environmental <scp>d</scp> -xylose perception by a XylFII-LytS complex in bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8235-8240.	7.1	22
40	A Modified Gibson Assembly Method for Cloning Large DNA Fragments with High GC Contents. Methods in Molecular Biology, 2018, 1671, 203-209.	0.9	20
41	Generation of a fully erythromycin-sensitive strain of Clostridioides difficile using a novel CRISPR-Cas9 genome editing system. Scientific Reports, 2019, 9, 8123.	3.3	20
42	The SCIFFâ€Derived Ranthipeptides Participate in Quorum Sensing in Solventogenic Clostridia. Biotechnology Journal, 2020, 15, 2000136.	3.5	20
43	A Novel Two-Component System, GluR-GluK, Involved in Glutamate Sensing and Uptake in Streptomyces coelicolor. Journal of Bacteriology, 2017, 199, .	2.2	19
44	Improvement of pristinamycin I (PI) production in Streptomyces pristinaespiralis by metabolic engineering approaches. Synthetic and Systems Biotechnology, 2017, 2, 130-136.	3.7	19
45	Expression of penicillin G acylase from the cloned pac gene of Escherichia coli ATCC11105. FEBS Journal, 2001, 268, 1298-1303.	0.2	17
46	Development of an inducible transposon system for efficient random mutagenesis inClostridium acetobutylicum. FEMS Microbiology Letters, 2016, 363, fnw065.	1.8	17
47	Roles of three AbrBs in regulating two-phase Clostridium acetobutylicum fermentation. Applied Microbiology and Biotechnology, 2016, 100, 9081-9089.	3.6	17
48	Improving the performance of solventogenic clostridia by reinforcing the biotin synthetic pathway. Metabolic Engineering, 2016, 35, 121-128.	7.0	16
49	MilR2, a novel TetR family regulator involved in 5-oxomilbemycin A3/A4 biosynthesis in Streptomyces hygroscopicus. Applied Microbiology and Biotechnology, 2018, 102, 8841-8853.	3.6	14
50	PapR6, a Putative Atypical Response Regulator, Functions as a Pathway-Specific Activator of Pristinamycin II Biosynthesis in Streptomyces pristinaespiralis. Journal of Bacteriology, 2015, 197, 441-450.	2.2	13
51	Involvement of the TetR-Type Regulator PaaR in the Regulation of Pristinamycin I Biosynthesis through an Effect on Precursor Supply in Streptomyces pristinaespiralis. Journal of Bacteriology, 2015, 197, 2062-2071.	2.2	12
52	Interactive Regulation of Formate Dehydrogenase during CO ₂ Fixation in Gas-Fermenting Bacteria. MBio, 2020, 11, .	4.1	11
53	The orphan histidine kinase PdtaS-p regulates both morphological differentiation and antibiotic biosynthesis together with the orphan response regulator PdtaR-p in Streptomyces. Microbiological Research, 2020, 233, 126411.	5.3	11
54	Functional analysis of TetR-family regulator AmtRsav in Streptomyces avermitilis. Microbiology (United Kingdom), 2013, 159, 2571-2583.	1.8	10

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55	Protein acetylation-mediated cross regulation of acetic acid and ethanol synthesis in the gas-fermenting Clostridium ljungdahlii. Journal of Biological Chemistry, 2022, 298, 101538.	3.4	10
56	Metabolic Engineering and Adaptive Evolution of Clostridium beijerinckii To Increase Solvent Production from Corn Stover Hydrolysate. Journal of Agricultural and Food Chemistry, 2020, 68, 7916-7925.	5.2	9
57	Overexpression of the diguanylate cyclase CdgD blocks developmental transitions and antibiotic biosynthesis in Streptomyces coelicolor. Science China Life Sciences, 2019, 62, 1492-1505.	4.9	8
58	Control of solvent production by sigmaâ€54 factor and the transcriptional activator AdhR in Clostridium beijerinckii. Microbial Biotechnology, 2020, 13, 328-338.	4.2	7
59	Identification of the cognate response regulator of the orphan histidine kinase OhkA involved in both secondary metabolism and morphological differentiation in Streptomyces coelicolor. Applied Microbiology and Biotechnology, 2021, 105, 5905-5914.	3.6	7
60	Ferrous-Iron-Activated Transcriptional Factor AdhR Regulates Redox Homeostasis in Clostridium beijerinckii. Applied and Environmental Microbiology, 2020, 86, .	3.1	6
61	Functional dissection and modulation of the BirA protein for improved autotrophic growth of gasâ€fermenting ClostridiumÂljungdahlii. Microbial Biotechnology, 2021, 14, 2072-2089.	4.2	6
62	The complete genome sequence of a high pristinamycin-producing strain Streptomyces pristinaespiralis HCCB10218. Journal of Biotechnology, 2015, 214, 45-46.	3.8	5
63	Crossregulation of rapamycin and elaiophylin biosynthesis by RapH in Streptomyces rapamycinicus. Applied Microbiology and Biotechnology, 2022, 106, 2147-2159.	3.6	5
64	The Small RNA sr8384 Is a Crucial Regulator of Cell Growth in Solventogenic Clostridia. Applied and Environmental Microbiology, 2020, 86, .	3.1	3
65	Cloning, sequencing and expression of a recA gene from Amycolatopsis mediterranei. Biotechnology Letters, 2002, 24, 909-913.	2.2	0