

# Buchang Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

794  
citations

471509

17  
h-index

526287

27  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1277  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Joint engineering of SACE_Lrp and its target MarR enhances the biosynthesis and export of erythromycin in <i>Saccharopolyspora erythraea</i> . <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 2911-2924.                              | 3.6 | 4         |
| 2  | Uncovering and Engineering a Mini-Regulatory Network of the TetR-Family Regulator SACE_0303 for Yield Improvement of Erythromycin in <i>Saccharopolyspora erythraea</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 692901. | 4.1 | 4         |
| 3  | Polyketide Starter and Extender Units Serve as Regulatory Ligands to Coordinate the Biosynthesis of Antibiotics in Actinomycetes. <i>MBio</i> , 2021, 12, e0229821.   | 4.1 | 4         |
| 4  | The variable oligomeric state of Amuc_1100 from <i>Akkermansia muciniphila</i> . <i>Journal of Structural Biology</i> , 2020, 212, 107593.  | 2.8 | 15        |
| 5  | Transcriptional regulation of a leucine-responsive regulatory protein for directly controlling lincomycin biosynthesis in <i>Streptomyces lincolnensis</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 2575-2587.                | 3.6 | 24        |
| 6  | Developmental regulator BldD directly regulates lincomycin biosynthesis in <i>Streptomyces lincolnensis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2019, 518, 548-553.  | 2.1 | 21        |
| 7  | Transcriptome-guided target identification of the TetR-like regulator SACE_5754 and engineered overproduction of erythromycin in <i>Saccharopolyspora erythraea</i> . <i>Journal of Biological Engineering</i> , 2019, 13, 11.                    | 4.7 | 13        |
| 8  | Characterization and engineering of the Lrp/AsnC family regulator SACE_5717 for erythromycin overproduction in <i>Saccharopolyspora erythraea</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 1013-1024.            | 3.0 | 12        |
| 9  | TetR-Type Regulator SLCG_2919 Is a Negative Regulator of Lincomycin Biosynthesis in <i>Streptomyces lincolnensis</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .  | 3.1 | 35        |
| 10 | Enhanced lincomycin production by co-overexpression of <i>metK1</i> and <i>metK2</i> in <i>Streptomyces lincolnensis</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018, 45, 345-355.                                       | 3.0 | 23        |
| 11 | The Arc Gene Confers Genetic Susceptibility to Alzheimer's Disease in Han Chinese. <i>Molecular Neurobiology</i> , 2018, 55, 1217-1226.   | 4.0 | 30        |
| 12 | Complete Genome Sequence of <i>Clostridium kluveri</i> JZZ Applied in Chinese Strong-Flavor Liquor Production. <i>Current Microbiology</i> , 2018, 75, 1429-1433.   | 2.2 | 11        |
| 13 | Enhancement of antibiotic productions by engineered nitrate utilization in actinomycetes. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5341-5352.   | 3.6 | 33        |
| 14 | Characterization of an Lrp/AsnC family regulator SCO3361, controlling actinorhodin production and morphological development in <i>Streptomyces coelicolor</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5773-5783.             | 3.6 | 21        |
| 15 | A novel composite hydrogel initiated by <i>Spinacia oleracea</i> L. extract on Hela cells for localized photodynamic therapy. <i>Materials Science and Engineering C</i> , 2017, 75, 1448-1455.   | 7.3 | 11        |
| 16 | Engineering of an Lrp family regulator SACE_Lrp improves erythromycin production in <i>Saccharopolyspora erythraea</i> . <i>Metabolic Engineering</i> , 2017, 39, 29-37.  | 7.0 | 41        |
| 17 | Identification of a common Ara h 3 epitope recognized by both the capture and the detection monoclonal antibodies in an ELISA detection kit. <i>PLoS ONE</i> , 2017, 12, e0182935.  | 2.5 | 8         |
| 18 | Beauvericin counteracted multi-drug resistant <i>Candida albicans</i> by blocking ABC transporters. <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 158-168.  | 3.7 | 31        |

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|----|--|------|-----------|
| 19 | Inactivation of SACE_3446, a TetR family transcriptional regulator, stimulates erythromycin production in <i>Saccharopolyspora erythraea</i> . <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 39-46.                  | 3.7  | 21        |
| 20 | In vivo investigation to the macrolide-glycosylating enzyme pair DesVII/DesVIII in <i>Saccharopolyspora erythraea</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 2257-2266.                                | 3.6  | 3         |
| 21 | Complete genome sequence of <i>Clostridium butyricum</i> JKY6D1 isolated from the pit mud of a Chinese flavor liquor-making factory. <i>Journal of Biotechnology</i> , 2016, 220, 23-24.                                     | 3.8  | 25        |
| 22 | Role of the Cys154Arg Substitution in Ribosomal Protein L3 in Oxazolidinone Resistance in <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3202-3206.                            | 3.2  | 30        |
| 23 | Up-regulation of CYLD enhances <i>Listeria monocytogenes</i> induced apoptosis in THP-1 cells. <i>Microbial Pathogenesis</i> , 2016, 90, 50-54.  | 2.9  | 4         |
| 24 | A mitochondria-targeted ratiometric two-photon fluorescent probe for biological zinc ions detection. <i>Biosensors and Bioelectronics</i> , 2016, 77, 921-927.   | 10.1 | 42        |
| 25 | Two-Photon Fluorescent Probes for Biological Mg <sup>2+</sup> Detection Based on 7-Substituted Coumarin. <i>Journal of Organic Chemistry</i> , 2015, 80, 4306-4312.  | 3.2  | 59        |
| 26 | A humanized neutralizing antibody against MERS-CoV targeting the receptor-binding domain of the spike protein. <i>Cell Research</i> , 2015, 25, 1237-1249.   | 12.0 | 137       |
| 27 | Dissecting and engineering of the TetR family regulator SACE_7301 for enhanced erythromycin production in <i>Saccharopolyspora erythraea</i> . <i>Microbial Cell Factories</i> , 2014, 13, 158.                              | 4.0  | 25        |
| 28 | Downregulation of MicroRNA miR-526a by Enterovirus Inhibits RIG-I-Dependent Innate Immune Response. <i>Journal of Virology</i> , 2014, 88, 11356-11368.  | 3.4  | 79        |
| 29 | SACE_3986, a TetR family transcriptional regulator, negatively controls erythromycin biosynthesis in <i>Saccharopolyspora erythraea</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 1159-1167. | 3.0  | 27        |