

Alaksh Choudhury

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

376
citations

687363

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940533

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17
all docs

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docs citations

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times ranked

518
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | A cell-free expression and purification process for rapid production of protein biologics. <i>Biotechnology Journal</i> , 2016, 11, 238-248. | 3.5 | 59 |
| 2 | Iterative genome editing of <i>Escherichia coli</i> for 3-hydroxypropionic acid production. <i>Metabolic Engineering</i> , 2018, 47, 303-313. | 7.0 | 34 |
| 3 | Deep scanning lysine metabolism in <i>Escherichia coli</i> . <i>Molecular Systems Biology</i> , 2018, 14, e8371. | 7.2 | 34 |
| 4 | Directed combinatorial mutagenesis of <i>Escherichia coli</i> for complex phenotype engineering. <i>Metabolic Engineering</i> , 2018, 47, 10-20. | 7.0 | 32 |
| 5 | Multiplex navigation of global regulatory networks (MINR) in yeast for improved ethanol tolerance and production. <i>Metabolic Engineering</i> , 2019, 51, 50-58. | 7.0 | 30 |
| 6 | Small molecule regulated sgRNAs enable control of genome editing in <i>E. coli</i> by Cas9. <i>Nature Communications</i> , 2020, 11, 1394. | 12.8 | 28 |
| 7 | CRISPR/Cas9 recombineering-mediated deep mutational scanning of essential genes in <i>Escherichia coli</i> . <i>Molecular Systems Biology</i> , 2020, 16, e9265. | 7.2 | 28 |
| 8 | Engineering regulatory networks for complex phenotypes in <i>E. coli</i> . <i>Nature Communications</i> , 2020, 11, 4050. | 12.8 | 21 |
| 9 | Evaluating fermentation effects on cell growth and crude extract metabolic activity for improved yeast cell-free protein synthesis. <i>Biochemical Engineering Journal</i> , 2014, 91, 140-148. | 3.6 | 19 |
| 10 | The Resistome: A Comprehensive Database of <i>Escherichia coli</i> Resistance Phenotypes. <i>ACS Synthetic Biology</i> , 2016, 5, 1566-1577. | 3.8 | 17 |
| 11 | Lytic Polysaccharide Monooxygenases <i>ScLPMO10B</i> and <i>ScLPMO10C</i> Are Stable in Ionic Liquids As Determined by Molecular Simulations. <i>Journal of Physical Chemistry B</i> , 2016, 120, 3863-3872. | 2.6 | 15 |
| 12 | Yeast knockout library allows for efficient testing of genomic mutations for cell-free protein synthesis. <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 2-6. | 3.7 | 15 |
| 13 | Determinants for Efficient Editing with Cas9-Mediated Recombineering in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2020, 9, 1083-1099. | 3.8 | 15 |
| 14 | Genomic Deoxyxylulose Phosphate Reductoisomerase (DXR) Mutations Conferring Resistance to the Antimalarial Drug Fosmidomycin in <i>E. coli</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 2824-2832. | 3.8 | 11 |
| 15 | Complex systems in metabolic engineering. <i>Current Opinion in Biotechnology</i> , 2015, 36, 107-114. | 6.6 | 10 |
| 16 | Integrating CRISPR-Enabled Trackable Genome Engineering and Transcriptomic Analysis of Global Regulators for Antibiotic Resistance Selection and Identification in <i>Escherichia coli</i> . <i>MSystems</i> , 2020, 5, . | 3.8 | 8 |
| 17 | High-throughput navigation of the sequence space. , 2022, , 123-146. | | 0 |