

Manlu Zhu

List of Publications by Year in descending order

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15
papers

878
citations

759233

12
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940533

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16
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times ranked

881
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Reduction of translating ribosomes enables <i>Escherichia coli</i> to maintain elongation rates during slow growth. <i>Nature Microbiology</i> , 2017, 2, 16231. | 13.3 | 251 |
| 2 | Inflating bacterial cells by increased protein synthesis. <i>Molecular Systems Biology</i> , 2015, 11, 836. | 7.2 | 164 |
| 3 | Growth suppression by altered (p)ppGpp levels results from non-optimal resource allocation in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2019, 47, 4684-4693. | 14.5 | 77 |
| 4 | Disruption of transcription-translation coordination in <i>Escherichia coli</i> leads to premature transcriptional termination. <i>Nature Microbiology</i> , 2019, 4, 2347-2356. | 13.3 | 70 |
| 5 | Coupling of Ribosome Synthesis and Translational Capacity with Cell Growth. <i>Trends in Biochemical Sciences</i> , 2020, 45, 681-692. | 7.5 | 62 |
| 6 | Slowdown of Translational Elongation in <i>Escherichia coli</i> under Hyperosmotic Stress. <i>MBio</i> , 2018, 9, . | 4.1 | 53 |
| 7 | Maintenance of translational elongation rate underlies the survival of <i>Escherichia coli</i> during oxidative stress. <i>Nucleic Acids Research</i> , 2019, 47, 7592-7604. | 14.5 | 44 |
| 8 | On the intrinsic constraint of bacterial growth rate: <i>M. tuberculosis</i> 's view of the protein translation capacity. <i>Critical Reviews in Microbiology</i> , 2018, 44, 455-464. | 6.1 | 42 |
| 9 | (p)ppGpp: the magic governor of bacterial growth economy. <i>Current Genetics</i> , 2019, 65, 1121-1125. | 1.7 | 33 |
| 10 | Bacterial stress defense: the crucial role of ribosome speed. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 853-858. | 5.4 | 19 |
| 11 | High Osmolarity Modulates Bacterial Cell Size through Reducing Initiation Volume in <i>Escherichia coli</i> . <i>MSphere</i> , 2018, 3, . | 2.9 | 17 |
| 12 | High Salt Cross-Protects <i>Escherichia coli</i> from Antibiotic Treatment through Increasing Efflux Pump Expression. <i>MSphere</i> , 2018, 3, . | 2.9 | 15 |
| 13 | <i>Sinorhizobium meliloti</i> , a Slow-Growing Bacterium, Exhibits Growth Rate Dependence of Cell Size under Nutrient Limitation. <i>MSphere</i> , 2018, 3, . | 2.9 | 10 |
| 14 | Control of ribosome synthesis in bacteria: the important role of rRNA chain elongation rate. <i>Science China Life Sciences</i> , 2021, 64, 795-802. | 4.9 | 10 |
| 15 | Quantitative analysis of asynchronous transcription-translation and transcription processivity in <i>Bacillus subtilis</i> under various growth conditions. <i>IScience</i> , 2021, 24, 103333. | 4.1 | 9 |