## Jeff Hasty

## List of Publications by Year in descending order

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2 Design, mutate, screen: Multiplexed creation and arrayed screening of synchronized genetic clocks. Cell Systems, 2022, 13, 365-375.e5.
9 Survival of the weakest in non-transitive asymmetric interactions among strains of E. coli. NatureCommunications, 2020, 11, 6055.
11 Inducible cell-to-cell signaling for tunable dynamics in microbial communities. Nature
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| \# | Article | IF | Citations |
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| 19 | A stabilized microbial ecosystem of self-limiting bacteria using synthetic quorum-regulated lysis. Nature Microbiology, 2017, 2, 17083. | 5.9 | 129 |
| 20 | Multigenerational silencing dynamics control cell aging. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11253-11258. | 3.3 | 60 |
| 21 | Rapid and Scalable Preparation of Bacterial Lysates for Cell-Free Gene Expression. ACS Synthetic Biology, 2017, 6, 2198-2208. | 1.9 | 85 |
| 22 | Suppression of Beneficial Mutations in Dynamic Microbial Populations. Physical Review Letters, 2017, 118, 028102. | 2.9 | 10 |
| 23 | Synchronized DNA cycling across a bacterial population. Nature Genetics, 2017, 49, 1282-1285. | 9.4 | 33 |
| 24 | Posttranscriptional Regulation of Gcrl Expression and Activity Is Crucial for Metabolic Adjustment in Response to Clucose Availability. Molecular Cell, 2016, 62, 346-358. | 4.5 | 27 |
| 25 | Quorum Sensing Communication Modules for Microbial Consortia. ACS Synthetic Biology, 2016, 5, 969-977. | 1.9 | 168 |
| 26 | Criticality and Adaptivity in Enzymatic Networks. Biophysical Journal, 2016, 111, 1078-1087. | 0.2 | 25 |
| 27 | Synchronized cycles of bacterial lysis for in vivo delivery. Nature, 2016, 536, 81-85. | 13.7 | 487 |
| 28 | Transcriptional regulation with CRISPR-Cas9: principles, advances, and applications. Current Opinion in Biotechnology, 2016, 40, 177-184. | 3.3 | 69 |
| 29 | Orthogonal Modular Gene Repression in <i>Escherichia coli</i> Using Engineered CRISPR/Cas9. ACS Synthetic Biology, 2016, 5, 81-88. | 1.9 | 58 |
| 30 | A Microfluidic Platform for Long-Term Monitoring of Algae in a Dynamic Environment. ACS Synthetic Biology, 2016, 5, 8-14. | 1.9 | 33 |
| 31 | Turing Patterning Using Gene Circuits with Gas-Induced Degradation of Quorum Sensing Molecules. PLoS ONE, 2016, 11, e0153679. | 1.1 | 19 |
| 32 | Programmable probiotics for detection of cancer in urine. Science Translational Medicine, 2015, 7, 289 ra 84. | 5.8 | 326 |
| 33 | Distributed Classifier Based on Genetically Engineered Bacterial Cell Cultures. ACS Synthetic Biology, 2015, 4, 72-82. | 1.9 | 22 |
| 34 | In-Vivo Real-Time Control of Protein Expression from Endogenous and Synthetic Gene Networks. PLoS Computational Biology, 2014, 10, el003625. | 1.5 | 114 |
| 35 | Synchronization of Degrade-and-Fire Oscillations via a Common Activator. Physical Review Letters, 2014, 113, 128102. | 2.9 | 21 |
| 36 | Rapid and tunable post-translational coupling of genetic circuits. Nature, 2014, 508, 387-391. | 13.7 | 194 |

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