

Amin Zargar

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

750
citations

687363

13
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

966
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Biofuels for a sustainable future. <i>Cell</i> , 2021, 184, 1636-1647. | 28.9 | 156 |
| 2 | A bimodular PKS platform that expands the biological design space. <i>Metabolic Engineering</i> , 2020, 61, 389-396. | 7.0 | 2 |
| 3 | Chemoinformatic-Guided Engineering of Polyketide Synthases. <i>Journal of the American Chemical Society</i> , 2020, 142, 9896-9901. | 13.7 | 13 |
| 4 | Engineering <i>Escherichia coli</i> for enhanced sensitivity to the autoinducer-2 quorum sensing signal. <i>Biotechnology Progress</i> , 2019, 35, e2881. | 2.6 | 8 |
| 5 | Technical Advances to Accelerate Modular Type I Polyketide Synthase Engineering towards a Retro-biosynthetic Platform. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 413-423. | 2.6 | 17 |
| 6 | Biochemical Characterization of β -Amino Acid Incorporation in Fluvirucin Biosynthesis. <i>ChemBioChem</i> , 2018, 19, 1391-1395. | 2.6 | 11 |
| 7 | Polyketide synthases as a platform for chemical product design. <i>AIChE Journal</i> , 2018, 64, 4201-4207. | 3.6 | 13 |
| 8 | Commodity Chemicals From Engineered Modular Type I Polyketide Synthases. <i>Methods in Enzymology</i> , 2018, 608, 393-415. | 1.0 | 9 |
| 9 | Electronic control of gene expression and cell behaviour in <i>Escherichia coli</i> through redox signalling. <i>Nature Communications</i> , 2017, 8, 14030. | 12.8 | 120 |
| 10 | Leveraging microbial biosynthetic pathways for the generation of "drop-in" biofuels. <i>Current Opinion in Biotechnology</i> , 2017, 45, 156-163. | 6.6 | 55 |
| 11 | Constructing "quantized quorums" to guide emergent phenotypes through quorum quenching capsules. <i>Biotechnology and Bioengineering</i> , 2017, 114, 407-415. | 3.3 | 8 |
| 12 | Enhancing Intercellular Coordination: Rewiring Quorum Sensing Networks for Increased Protein Expression through Autonomous Induction. <i>ACS Synthetic Biology</i> , 2016, 5, 923-928. | 3.8 | 18 |
| 13 | Directed assembly of a bacterial quorum. <i>ISME Journal</i> , 2016, 10, 158-169. | 9.8 | 44 |
| 14 | Bacterial Secretions of Nonpathogenic <i>Escherichia coli</i> Elicit Inflammatory Pathways: a Closer Investigation of Interkingdom Signaling. <i>MBio</i> , 2015, 6, e00025. | 4.1 | 67 |
| 15 | Rational design of "controller cells" to manipulate protein and phenotype expression. <i>Metabolic Engineering</i> , 2015, 30, 61-68. | 7.0 | 20 |
| 16 | A "bioproduction breadboard": programming, assembling, and actuating cellular networks. <i>Current Opinion in Biotechnology</i> , 2015, 36, 154-160. | 6.6 | 10 |
| 17 | Optically clear alginate hydrogels for spatially controlled cell entrapment and culture at microfluidic electrode surfaces. <i>Lab on A Chip</i> , 2013, 13, 1854. | 6.0 | 39 |
| 18 | Plug and Play? Interconnected multifunctional chips for enhancing efficiency of biopharmaceutical R&D. <i>Pharmaceutical Bioprocessing</i> , 2013, 1, 225-228. | 0.8 | 5 |

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|----|--|-----|-----------|
| 19 | Autonomous bacterial localization and gene expression based on nearby cell receptor density. <i>Molecular Systems Biology</i> , 2013, 9, 636. | 7.2 | 65 |
| 20 | Mathematical Modeling of Hyperbranched Water-soluble Polymers with Applications in Drug Delivery. <i>Macromolecular Reaction Engineering</i> , 2011, 5, 373-384. | 1.5 | 13 |
| 21 | Copolymer Sequence Distributions in Controlled Radical Polymerization. <i>Macromolecular Reaction Engineering</i> , 2009, 3, 118-130. | 1.5 | 30 |
| 22 | Design of Copolymer Molecular Architecture via Design of Continuous Reactor Systems for Controlled Radical Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 4245-4253. | 3.7 | 27 |