

Amin Zargar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11551224/publications.pdf>

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	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
3	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
4	Autonomous bacterial localization and gene expression based on nearby cell receptor density. <i>Molecular Systems Biology</i> , 2013, 9, 636.	7.2	65
5	Leveraging microbial biosynthetic pathways for the generation of "drop-in" biofuels. <i>Current Opinion in Biotechnology</i> , 2017, 45, 156-163.	6.6	55
6	Directed assembly of a bacterial quorum. <i>ISME Journal</i> , 2016, 10, 158-169.	9.8	44
7	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
8	Copolymer Sequence Distributions in Controlled Radical Polymerization. <i>Macromolecular Reaction Engineering</i> , 2009, 3, 118-130.	1.5	30
9	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
10	Rational design of "controller cells" to manipulate protein and phenotype expression. <i>Metabolic Engineering</i> , 2015, 30, 61-68.	7.0	20
11	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
12	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
13	Mathematical Modeling of Hyperbranched Water-soluble Polymers with Applications in Drug Delivery. <i>Macromolecular Reaction Engineering</i> , 2011, 5, 373-384.	1.5	13
14	Polyketide synthases as a platform for chemical product design. <i>AIChE Journal</i> , 2018, 64, 4201-4207.	3.6	13
15	Chemoinformatic-Guided Engineering of Polyketide Synthases. <i>Journal of the American Chemical Society</i> , 2020, 142, 9896-9901.	13.7	13
16	Biochemical Characterization of ¹³ C-Amino Acid Incorporation in Fluvirucin Biosynthesis. <i>ChemBioChem</i> , 2018, 19, 1391-1395.	2.6	11
17	A "bioproduction breadboard": programming, assembling, and actuating cellular networks. <i>Current Opinion in Biotechnology</i> , 2015, 36, 154-160.	6.6	10
18	Commodity Chemicals From Engineered Modular Type I Polyketide Synthases. <i>Methods in Enzymology</i> , 2018, 608, 393-415.	1.0	9

#	ARTICLE	IF	CITATIONS
19	Constructing "quantized quorums" to guide emergent phenotypes through quorum quenching capsules. <i>Biotechnology and Bioengineering</i> , 2017, 114, 407-415.	3.3	8
20	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
21	Plug and Play? Interconnected multifunctional chips for enhancing efficiency of biopharmaceutical R&D. <i>Pharmaceutical Bioprocessing</i> , 2013, 1, 225-228.	0.8	5
22	A bimodular PKS platform that expands the biological design space. <i>Metabolic Engineering</i> , 2020, 61, 389-396.	7.0	2