

Adrian J Jervis

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

917
citations

516710

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642732

23
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docs citations

23
times ranked

1039
citing authors

#	ARTICLE	IF	CITATIONS
1	An automated Design-Build-Test-Learn pipeline for enhanced microbial production of fine chemicals. <i>Communications Biology</i> , 2018, 1, 66.	4.4	159
2	Towards synthesis of monoterpenes and derivatives using synthetic biology. <i>Current Opinion in Chemical Biology</i> , 2016, 34, 37-43.	6.1	89
3	Machine Learning of Designed Translational Control Allows Predictive Pathway Optimization in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2019, 8, 127-136.	3.8	88
4	Characterization of N-Linked Protein Glycosylation in <i>Helicobacter pullorum</i> . <i>Journal of Bacteriology</i> , 2010, 192, 5228-5236.	2.2	63
5	Bioinformatics for the synthetic biology of natural products: integrating across the Design-Build-Test cycle. <i>Natural Product Reports</i> , 2016, 33, 925-932.	10.3	58
6	Characterization of the Structurally Diverse N-Linked Glycans of <i>Campylobacter</i> Species. <i>Journal of Bacteriology</i> , 2012, 194, 2355-2362.	2.2	57
7	Rapid prototyping of microbial production strains for the biomanufacture of potential materials monomers. <i>Metabolic Engineering</i> , 2020, 60, 168-182.	7.0	48
8	Engineering <i>Escherichia coli</i> towards de novo production of gatekeeper (2S)-flavanones: naringenin, pinocembrin, eriodictyol and homoeriodictyol. <i>Synthetic Biology</i> , 2020, 5, ysaa012.	2.2	45
9	A "Plug and Play"™ Platform for the Production of Diverse Monoterpene Hydrocarbon Scaffolds in <i>Escherichia coli</i> . <i>ChemistrySelect</i> , 2016, 1, 1893-1896.	1.5	42
10	SelProm: A Queryable and Predictive Expression Vector Selection Tool for <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2019, 8, 1478-1483.	3.8	37
11	Highly multiplexed, fast and accurate nanopore sequencing for verification of synthetic DNA constructs and sequence libraries. <i>Synthetic Biology</i> , 2019, 4, ysz025.	2.2	35
12	biochem4j: Integrated and extensible biochemical knowledge through graph databases. <i>PLoS ONE</i> , 2017, 12, e0179130.	2.5	31
13	Functional analysis of N-linking oligosaccharyl transferase enzymes encoded by deep-sea vent proteobacteria. <i>Glycobiology</i> , 2016, 26, 398-409.	2.5	30
14	PartsGenie: an integrated tool for optimizing and sharing synthetic biology parts. <i>Bioinformatics</i> , 2018, 34, 2327-2329.	4.1	25
15	An automated pipeline for the screening of diverse monoterpene synthase libraries. <i>Scientific Reports</i> , 2019, 9, 11936.	3.3	21
16	Engineering the "Missing Link" in Biosynthetic (âˆ’)-Menthol Production: Bacterial Isopulegone Isomerase. <i>ACS Catalysis</i> , 2018, 8, 2012-2020.	11.2	20
17	Functional analysis of the <i>Helicobacter pullorum</i> N-linked protein glycosylation system. <i>Glycobiology</i> , 2018, 28, 233-244.	2.5	17
18	Chromosomal integration vectors allowing flexible expression of foreign genes in <i>Campylobacter jejuni</i> . <i>BMC Microbiology</i> , 2015, 15, 230.	3.3	13

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19	Multifragment DNA Assembly of Biochemical Pathways via Automated Ligase Cycling Reaction. <i>Methods in Enzymology</i> , 2018, 608, 369-392.	1.0	11
20	A plasmid toolset for CRISPR-mediated genome editing and CRISPRi gene regulation in <i>Escherichia coli</i> . <i>Microbial Biotechnology</i> , 2021, 14, 1120-1129.	4.2	10
21	RNA-based thermoregulation of a <i>Campylobacter jejuni</i> zinc resistance determinant. <i>PLoS Pathogens</i> , 2020, 16, e1009008.	4.7	8
22	SYNBIOCHEM—a SynBio foundry for the biosynthesis and sustainable production of fine and speciality chemicals. <i>Biochemical Society Transactions</i> , 2016, 44, 675-677.	3.4	7
23	Prototyping of microbial chassis for the biomanufacturing of high-value chemical targets. <i>Biochemical Society Transactions</i> , 2021, 49, 1055-1063.	3.4	3