Thomas J Mansell

List of Publications by Year
in descending order

25	788	623734	610901
papers	citations	14 h-index	24 g-index

28	28	28	1179
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Directed evolution of protein switches and their application to the creation of ligand-binding proteins. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11224-11229.	7.1	191
2	Efficient expression of full-length antibodies in the cytoplasm of engineered bacteria. Nature Communications, 2015, 6, 8072.	12.8	104
3	Yeasts as probiotics: Mechanisms, outcomes, and future potential. Fungal Genetics and Biology, 2020, 137, 103333.	2.1	84
4	Prebiotics: tools to manipulate the gut microbiome and metabolome. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 1445-1459.	3.0	54
5	Multiplexed tracking of combinatorial genomic mutations in engineered cell populations. Nature Biotechnology, 2015, 33, 631-637.	17.5	49
6	A filamentous phage display system for Nâ€linked glycoproteins. Protein Science, 2010, 19, 2006-2013.	7.6	32
7	Stochastic reactionâ€“diffusion simulation of enzyme compartmentalization reveals improved catalytic efficiency for a synthetic metabolic pathway. Metabolic Engineering, 2007, 9, 355-363.	7.0	31
8	Ligand binding and allostery can emerge simultaneously. Protein Science, 2007, 16, 929-937.	7.6	28
9	A rapid protein folding assay for the bacterial periplasm. Protein Science, 2010, 19, 1079-1090.	7.6	28
10	Reverse engineering of fatty acid-tolerant Escherichia coli identifies design strategies for robust microbial cell factories. Metabolic Engineering, 2020, 61, 120-130.	7.0	23
11	Production and Sensing of Butyrate in a Probiotic E. coli Strain. International Journal of Molecular Sciences, 2020, 21, 3615.	4.1	18
12	Mining mammalian genomes for folding competent proteins using Tatâ€dependent genetic selection in Escherichia coli. Protein Science, 2009, 18, 2537-2549.	7.6	17
13	Lessons in Membrane Engineering for Octanoic Acid Production from Environmental Escherichia coli Isolates. Applied and Environmental Microbiology, 2018, 84, .	3.1	17
14	CRISPRâ€based curing and analysis of metabolic burden of cryptic plasmids in Escherichia coli Nissle 1917. Engineering in Life Sciences, 2019, 19, 478-485.	3.6	17
15	Parallel Mapping of Antibiotic Resistance Alleles in Escherichia coli. PLoS ONE, 2016, 11, e0146916.	2.5	15
16	Engineering the Protein Folding Landscape in Gram-Negative Bacteria. Current Protein and Peptide Science, 2008, 9, 138-149.	1.4	13
17	Trackable Multiplex Recombineering for Gene-Trait Mapping in E. coli. Methods in Molecular Biology, 2013, 985, 223-246.	0.9	13
18	Towards high-throughput genome engineering in lactic acid bacteria. Current Opinion in Biotechnology, 2020, 61, 181-188.	6.6	13

#	Article	IF	Citations
19	Engineered genetic selection links in vivo protein folding and stability with asparagineâ€linked glycosylation. Biotechnology Journal, 2013, 8, 1445-1451.	3.5	11
20	Improving designer glycan production in Escherichia coli through model-guided metabolic engineering. Metabolic Engineering Communications, 2019, 9, e00088.	3.6	11
21	Linkage-Specific Detection and Metabolism of Human Milk Oligosaccharides in Escherichia coli. Cell Chemical Biology, 2018, 25, 1292-1303.e4.	5.2	7
22	TNFÎ± regulates intestinal organoids from mice with both defined and conventional microbiota. International Journal of Biological Macromolecules, 2020, 164, 548-556.	7.5	6
23	Leveraging quorum sensing to manipulate microbial dynamics. Current Opinion in Biomedical Engineering, 2021, 19, 100306.	3.4	3
24	Analysis of Fucosylated Human Milk Trisaccharides in Biotechnological Context Using Genetically Encoded Biosensors. Journal of Visualized Experiments, 2019, , .	0.3	1
25	Engineering Multifunctional Enzyme Systems for Optimized Metabolite Transfer between Sequential Conversion Steps. , 2009, , .		0