

Andrew C Tolonen

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,738
citations

471509

17
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

4628
citing authors

#	ARTICLE	IF	CITATIONS
1	DAF-16 Target Genes That Control <i>C. elegans</i> Life-Span and Metabolism. <i>Science</i> , 2003, 300, 644-647.	12.6	606
2	Precise Manipulation of Chromosomes in Vivo Enables Genome-Wide Codon Replacement. <i>Science</i> , 2011, 333, 348-353.	12.6	512
3	Transfer of photosynthesis genes to and from <i>Prochlorococcus</i> viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11013-11018.	7.1	477
4	Human genetic variation and the gut microbiome in disease. <i>Nature Reviews Genetics</i> , 2017, 18, 690-699.	16.8	383
5	Global gene expression of <i>Prochlorococcus</i> ecotypes in response to changes in nitrogen availability. <i>Molecular Systems Biology</i> , 2006, 2, 53.	7.2	150
6	Functional Diversity of Carbohydrate-Active Enzymes Enabling a Bacterium to Ferment Plant Biomass. <i>PLoS Genetics</i> , 2014, 10, e1004773.	3.5	90
7	Invertible promoters mediate bacterial phase variation, antibiotic resistance, and host adaptation in the gut. <i>Science</i> , 2019, 363, 181-187.	12.6	85
8	Proteome-wide systems analysis of a cellulosic biofuel-producing microbe. <i>Molecular Systems Biology</i> , 2011, 7, 461.	7.2	81
9	Targeted gene inactivation in <i>Clostridium phytofermentans</i> shows that cellulose degradation requires the family 9 hydrolase Cphy3367. <i>Molecular Microbiology</i> , 2009, 74, 1300-1313.	2.5	76
10	Genetic Manipulation of <i>Prochlorococcus</i> Strain MIT9313: Green Fluorescent Protein Expression from an RSF1010 Plasmid and Tn5 Transposition. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7607-7613.	3.1	48
11	Quantitative Proteomics Using Reductive Dimethylation for Stable Isotope Labeling. <i>Journal of Visualized Experiments</i> , 2014, .	0.3	37
12	Genome and Transcriptome of <i>Clostridium phytofermentans</i> , Catalyst for the Direct Conversion of Plant Feedstocks to Fuels. <i>PLoS ONE</i> , 2015, 10, e0118285.	2.5	28
13	Global repositioning of transcription start sites in a plant-fermenting bacterium. <i>Nature Communications</i> , 2016, 7, 13783.	12.8	25
14	Synthetic glycans control gut microbiome structure and mitigate colitis in mice. <i>Nature Communications</i> , 2022, 13, 1244.	12.8	25
15	Fungal lysis by a soil bacterium fermenting cellulose. <i>Environmental Microbiology</i> , 2015, 17, 2618-2627.	3.8	21
16	Physiology, Genomics, and Pathway Engineering of an Ethanol-Tolerant Strain of <i>Clostridium phytofermentans</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 5440-5448.	3.1	20
17	Evolution of a Biomass-Fermenting Bacterium To Resist Lignin Phenolics. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	18
18	Optimized in situ construction of oligomers on an array surface. <i>Nucleic Acids Research</i> , 2002, 30, 107e-107.	14.5	13

#	ARTICLE	IF	CITATIONS
19	ABC Transporters Required for Hexose Uptake by <i>Clostridium phytofermentans</i> . <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	10
20	A Targetron-Recombinase System for Large-Scale Genome Engineering of <i>Clostridia</i> . <i>MSphere</i> , 2019, 4, .	2.9	10
21	Rapid identification of methylase specificity (RIMS-seq) jointly identifies methylated motifs and generates shotgun sequencing of bacterial genomes. <i>Nucleic Acids Research</i> , 2021, 49, e113-e113.	14.5	9
22	Cell Type- and Stimulation-Dependent Transcriptional Programs Regulated by Atg16L1 and Its Crohn's Disease Risk Variant T300A. <i>Journal of Immunology</i> , 2020, 205, 414-424.	0.8	7
23	Engineering <i>Clostridium acetobutylicum</i> to utilize cellulose by heterologous expression of a family 5 cellulase. <i>Biofuels</i> , 2022, 13, 431-436.	2.4	3
24	CHAPTER 7. Technologies to Study Plant Biomass Fermentation Using the Model Bacterium <i>Clostridium Phytofermentans</i> . <i>RSC Energy and Environment Series</i> , 2013, , 114-139.	0.5	3
25	Genome-Wide TSS Distribution in Three Related <i>Clostridia</i> with Normalized Capp-Switch Sequencing. <i>Microbiology Spectrum</i> , 2022, , e0228821.	3.0	1