Robin W Palfreyman

List of Publications by Year
in descending order

25	1,902	516710 16	610901 24
papers	citations	h-index	g-index

26	26	26	3247
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genomic characterization of the uncultured Bacteroidales family S24-7 inhabiting the guts of homeothermic animals. Microbiome, 2016, 4, 36.	11.1	533
2	AraGEM, a Genome-Scale Reconstruction of the Primary Metabolic Network in Arabidopsis Â. Plant Physiology, 2010, 152, 579-589.	4.8	319
3	C4GEM, a Genome-Scale Metabolic Model to Study C4 Plant Metabolism Â Â. Plant Physiology, 2010, 154, 1871-1885.	4.8	190
4	Low carbon fuels and commodity chemicals from waste gases â€“ systematic approach to understand energy metabolism in a model acetogen. Green Chemistry, 2016, 18, 3020-3028.	9.0	143
5	Maintenance of ATP Homeostasis Triggers Metabolic Shifts in Gas-Fermenting Acetogens. Cell Systems, 2017, 4, 505-515.e5.	6.2	128
6	AlgaGEM â€“ a genome-scale metabolic reconstruction of algae based on the Chlamydomonas reinhardtii genome. BMC Genomics, 2011, 12, S5.	2.8	109
7	Deep sequencing-based transcriptome analysis of Plutella xylostella larvae parasitized by Diadegma semiclausum. BMC Genomics, 2011, 12, 446.	2.8	82
8	Systems-level engineering and characterisation of Clostridium autoethanogenum through heterologous production of poly-3-hydroxybutyrate (PHB). Metabolic Engineering, 2019, 53, 14-23.	7.0	57
9	Effect of Plasmid Design and Type of Integration Event on Recombinant Protein Expression in Pichia pastoris. Applied and Environmental Microbiology, 2018, 84, .	3.1	54
10	Evolutionary Engineering Improves Tolerance for Replacement Jet Fuels in Saccharomyces cerevisiae. Applied and Environmental Microbiology, 2015, 81, 3316-3325.	3.1	44
11	Saccharopolyspora erythraeaâ€™sgenome is organised in high-order transcriptional regions mediated by targeted degradation at the metabolic switch. BMC Genomics, 2013, 14, 15.	2.8	33
12	RNAâ€Seq Highlights High Clonal Variation in Monoclonal Antibody Producing CHO Cells. Biotechnology Journal, 2018, 13, e1700231.	3.5	28
13	Transcriptome Sequencing of and Microarray Development for a Helicoverpa zea Cell Line to Investigate In Vitro Insect Cell-Baculovirus Interactions. PLoS ONE, 2012, 7, e36324.	2.5	28
14	Metabolic Reconstruction of Setaria italica: A Systems Biology Approach for Integrating Tissue-Specific Omics and Pathway Analysis of Bioenergy Grasses. Frontiers in Plant Science, 2016, 7, 1138.	3.6	24
15	Improved production of propionic acid using genome shuffling. Biotechnology Journal, 2017, 12, 1600120.	3.5	23
16	Re-annotation of the Saccharopolyspora erythraea genome using a systems biology approach. BMC Genomics, 2013, 14, 699.	2.8	21
17	A Pan-Genome Guided Metabolic Network Reconstruction of Five Propionibacterium Species Reveals Extensive Metabolic Diversity. Genes, 2020, 11, 1115.	2.4	18
18	Systems biology and metabolic modelling unveils limitations to polyhydroxybutyrate accumulation in sugarcane leaves; lessons for <scp>C</scp>₄ engineering. Plant Biotechnology Journal, 2016, 14, 567-580.	8.3	17

#	Article	IF	Citations
19	A TetR-Family Protein (CAETHG_0459) Activates Transcription From a New Promoter Motif Associated With Essential Genes for Autotrophic Growth in Acetogens. Frontiers in Microbiology, 2019, 10, 2549.	3.5	12
20	A snapshot of microbial diversity and function in an undisturbed sugarcane bagasse pile. BMC Biotechnology, 2020, 20, 12.	3.3	12
21	Plant Genome-Scale Modeling and Implementation. Methods in Molecular Biology, 2014, 1090, 317-332.	0.9	8
22	From reconstruction to C4 metabolic engineering: A case study for overproduction of polyhydroxybutyrate in bioenergy grasses. Plant Science, 2018, 273, 50-60.	3.6	7
23	Network Analyses Predict Small RNAs That Might Modulate Gene Expression in the Testis and Epididymis of Bos indicus Bulls. Frontiers in Genetics, 2021, 12, 610116.	2.3	7
24	Multi-omic characterisation ofStreptomyces hygroscopicusNRRL 30439: detailed assessment of its secondary metabolic potential. Molecular Omics, 2022, 18, 226-236.	2.8	5
25	Role of the substrate on Ni inhibition in biological sulfate reduction. Journal of Environmental Management, 2022, 316, 115216.	7.8	0