John Andrew Jones

List of Publications by Year
in descending order

24 papers	2,242 citations	430442 18 h-index	642321 23 g-index
24 all docs	24 docs citations	24 times ranked	2521 citing authors

#	Article	IF	Citations
1	Metabolic Burden: Cornerstones in Synthetic Biology and Metabolic Engineering Applications. Trends in Biotechnology, 2016, 34, 652-664.	4.9	463
2	Experimental and computational optimization of an Escherichia coli co-culture for the efficient production of flavonoids. Metabolic Engineering, 2016, 35, 55-63.	3.6	210
3	Metabolic pathway balancing and its role in the production of biofuels and chemicals. Current Opinion in Biotechnology, 2015, 33, 52-59.	3.3	176
4	Complete Biosynthesis of Anthocyanins Using E. coli Polycultures. MBio, 2017, 8, .	1.8	157
5	CRISPathBrick: Modular Combinatorial Assembly of Type II-A CRISPR Arrays for dCas9-Mediated Multiplex Transcriptional Repression in E. coli. ACS Synthetic Biology, 2015, 4, 987-1000.	1.9	144
6	Engineering the biological conversion of methanol to specialty chemicals in Escherichia coli. Metabolic Engineering, 2017, 39, 49-59.	3.6	137
7	ePathOptimize: A Combinatorial Approach for Transcriptional Balancing of Metabolic Pathways. Scientific Reports, 2015, 5, 11301.	1.6	126
8	Production of chondroitin in metabolically engineered E. coli. Metabolic Engineering, 2015, 27, 92-100.	3.6	117
9	Improvement of catechin production in Escherichia coli through combinatorial metabolic engineering. Metabolic Engineering, 2015, 28, 43-53.	3.6	116
10	Use of bacterial co-cultures for the efficient production of chemicals. Current Opinion in Biotechnology, 2018, 53, 33-38.	3.3	107
11	Effect of Genomic Integration Location on Heterologous Protein Expression and Metabolic Engineering in E.Âcoli. ACS Synthetic Biology, 2017, 6, 710-720.	1.9	93
12	Naringeninâ€responsive riboswitchâ€based fluorescent biosensor module for Escherichia coli coâ€cultures. Biotechnology and Bioengineering, 2017, 114, 2235-2244.	1.7	83
13	Rapid generation of CRISPR/dCas9-regulated, orthogonally repressible hybrid T7-lac promoters for modular, tuneable control of metabolic pathway fluxes inEscherichia coli. Nucleic Acids Research, 2016, 44, 4472-4485.	6.5	74
14	Optimization of naringenin andp-coumaric acid hydroxylation using the nativeE. colihydroxylase complex, HpaBC. Biotechnology Progress, 2016, 32, 21-25.	1.3	56
15	In vivo production of psilocybin in E. coli. Metabolic Engineering, 2019, 56, 111-119.	3.6	42
16	Occurrence of ferredoxin:NAD⁺oxidoreductase activity and its ion specificity in several Gram-positive and Gram-negative bacteria. PeerJ, 2016, 4, e1515.	0.9	40
17	Deciphering flux adjustments of engineered E. coli cells during fermentation with changing growth conditions. Metabolic Engineering, 2017, 39, 247-256.	3.6	33
18	Comparative thermal inactivation analysis of Aspergillus oryzae and Thiellavia terrestris cutinase: Role of glycosylation. Biotechnology and Bioengineering, 2017, 114, 63-73.	1.7	33

#	Article	IF	Citations
19	Thermodynamics contributes to high limonene productivity in cyanobacteria. Metabolic Engineering Communications, 2022, 14, e00193.	1.9	10
20	The three NADH dehydrogenases of Pseudomonas aeruginosa: Their roles in energy metabolism and links to virulence. PLoS ONE, 2021, 16, e0244142.	1.1	8
21	Development of an E. coli-based norbaeocystin production platform and evaluation of behavioral effects in rats. Metabolic Engineering Communications, 2022, 14, e00196.	1.9	8
22	De novo Biosynthesis of Salvianolic Acid B in Saccharomyces cerevisiae Engineered with the Rosmarinic Acid Biosynthetic Pathway. Journal of Agricultural and Food Chemistry, 2022, 70, 2290-2302.	2.4	7
23	Homebrewed psilocybin: can new routes for pharmaceutical psilocybin production enable recreational use?. Bioengineered, 2021, 12, 8863-8871.	1.4	2
24	Learning From Nature: Using Microbial Consortia To Improve Biochemical Synthesis. , 2018, , .		0