

Jeffrey C Cameron

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,660
citations

361045

20
h-index

377514

34
g-index

45
all docs

45
docs citations

45
times ranked

2068
citing authors

#	ARTICLE	IF	CITATIONS
1	Biogenesis of a Bacterial Organelle: The Carboxysome Assembly Pathway. <i>Cell</i> , 2013, 155, 1131-1140.	13.5	274
2	CRISPR interference as a titratable, trans-acting regulatory tool for metabolic engineering in the cyanobacterium <i>Synechococcus</i> sp. strain PCC 7002. <i>Metabolic Engineering</i> , 2016, 38, 170-179.	3.6	160
3	Biomining and Successive Regeneration of Engineered Living Building Materials. <i>Matter</i> , 2020, 2, 481-494.	5.0	119
4	Biochemical characterization of predicted Precambrian RuBisCO. <i>Nature Communications</i> , 2016, 7, 10382.	5.8	112
5	The Structure of CcmP, a Tandem Bacterial Microcompartment Domain Protein from the β -Carboxysome, Forms a Subcompartment Within a Microcompartment. <i>Journal of Biological Chemistry</i> , 2013, 288, 16055-16063.	1.6	104
6	Essential Role of Glutathione in Acclimation to Environmental and Redox Perturbations in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Plant Physiology</i> , 2010, 154, 1672-1685.	2.3	94
7	Plant Glutathione Biosynthesis: Diversity in Biochemical Regulation and Reaction Products. <i>Frontiers in Plant Science</i> , 2011, 2, 45.	1.7	78
8	Integrative analysis of large scale expression profiles reveals core transcriptional response and coordination between multiple cellular processes in a cyanobacterium. <i>BMC Systems Biology</i> , 2010, 4, 105.	3.0	63
9	Development of both type I and type II CRISPR/Cas genome editing systems in the cellulolytic bacterium <i>Clostridium thermocellum</i> . <i>Metabolic Engineering Communications</i> , 2020, 10, e00116.	1.9	60
10	RNA Sequencing Identifies New RNase III Cleavage Sites in <i>Escherichia coli</i> and Reveals Increased Regulation of mRNA. <i>MBio</i> , 2017, 8, .	1.8	56
11	Engineered Ureolytic Microorganisms Can Tailor the Morphology and Nanomechanical Properties of Microbial-Precipitated Calcium Carbonate. <i>Scientific Reports</i> , 2019, 9, 14721.	1.6	51
12	A Genetically Tagged Psb27 Protein Allows Purification of Two Consecutive Photosystem II (PSII) Assembly Intermediates in <i>Synechocystis</i> 6803, a Cyanobacterium. <i>Journal of Biological Chemistry</i> , 2011, 286, 24865-24871.	1.6	49
13	Life cycle of a cyanobacterial carboxysome. <i>Science Advances</i> , 2020, 6, eaba1269.	4.7	45
14	Probing the origins of glutathione biosynthesis through biochemical analysis of glutamate-cysteine ligase and glutathione synthetase from a model photosynthetic prokaryote. <i>Biochemical Journal</i> , 2013, 450, 63-72.	1.7	34
15	Genome engineering of <i>E. coli</i> for improved styrene production. <i>Metabolic Engineering</i> , 2020, 57, 74-84.	3.6	34
16	Glutathione Facilitates Antibiotic Resistance and Photosystem I Stability during Exposure to Gentamicin in Cyanobacteria. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3547-3550.	1.4	31
17	Cyanobacterial carboxysome mutant analysis reveals the influence of enzyme compartmentalization on cellular metabolism and metabolic network rigidity. <i>Metabolic Engineering</i> , 2019, 54, 222-231.	3.6	31
18	Engineering living building materials for enhanced bacterial viability and mechanical properties. <i>IScience</i> , 2021, 24, 102083.	1.9	29

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19	Carbon isotope evidence for the global physiology of Proterozoic cyanobacteria. <i>Science Advances</i> , 2021, 7, .	4.7	27
20	Adaptive Engineering of Phytochelatin-based Heavy Metal Tolerance. <i>Journal of Biological Chemistry</i> , 2015, 290, 17321-17330.	1.6	26
21	Genetic and genomic analysis of RNases in model cyanobacteria. <i>Photosynthesis Research</i> , 2015, 126, 171-183.	1.6	23
22	Mechanical regulation of photosynthesis in cyanobacteria. <i>Nature Microbiology</i> , 2020, 5, 757-767.	5.9	23
23	Rational Control of Calcium Carbonate Precipitation by Engineered <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 2497-2506.	1.9	22
24	Insights into the industrial growth of cyanobacteria from a model of the carbon-concentrating mechanism. <i>AIChE Journal</i> , 2014, 60, 1269-1277.	1.8	18
25	Immunolocalization of glutathione biosynthesis enzymes in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2014, 75, 9-13.	2.8	18
26	Glutathione in <i>Synechocystis</i> 6803. <i>Plant Signaling and Behavior</i> , 2011, 6, 89-92.	1.2	17
27	Impact of overexpression of cytosolic isoform of O-acetylserine sulfhydrylase on soybean nodulation and nodule metabolome. <i>Scientific Reports</i> , 2018, 8, 2367.	1.6	10
28	Distinct and redundant functions of three homologs of RNase III in the cyanobacterium <i>Synechococcus</i> sp. strain PCC 7002. <i>Nucleic Acids Research</i> , 2018, 46, 1984-1997.	6.5	9
29	Genome-Wide Analysis of RNA Decay in the Cyanobacterium <i>Synechococcus</i> sp. Strain PCC 7002. <i>MSystems</i> , 2020, 5, .	1.7	6
30	Proximity-based proteomics reveals the thylakoid lumen proteome in the cyanobacterium <i>Synechococcus</i> sp. PCC 7002. <i>Photosynthesis Research</i> , 2021, 147, 177-195.	1.6	6
31	Effect of pH on the activity of ice-binding protein from <i>Marinomonas primoryensis</i> . <i>Extremophiles</i> , 2021, 25, 1-13.	0.9	5
32	Computational modeling and evolutionary implications of biochemical reactions in bacterial microcompartments. <i>Current Opinion in Microbiology</i> , 2022, 65, 15-23.	2.3	3
33	Engineered Living Materials for Construction. , 2022, , 187-216.		3
34	Algal Technologies for Biological Capture and Utilization of CO ₂ Require Breakthroughs in Basic Research. <i>ACS Symposium Series</i> , 2012, , 107-141.	0.5	2
35	TAG ⁺ You ^{re} It, <i>Synechocystis</i> sp. PCC 6803!. <i>Plant and Cell Physiology</i> , 2020, 61, 1535-1536.	1.5	1
36	Mechanical Regulation of Photosynthesis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1

#	ARTICLE	IF	CITATIONS
37	The Life and Times of a Carboxysome: Tracking a Single Protein Complex Over Multiple Generations. FASEB Journal, 2018, 32, .	0.2	0
38	A1543 is a Potential Bridge Between Cellular Redox State and RNA Processing. FASEB Journal, 2018, 32, 790.11.	0.2	0
39	“Exploring the Regulation of Photosynthesis in Single-Cell Lineages at Sub-Cellular Resolution”. FASEB Journal, 2018, 32, 259.1.	0.2	0
40	Zam Is a Redox-Regulated Member of the RNB-Family Required for Optimal Photosynthesis in Cyanobacteria. Microorganisms, 2022, 10, 1055.	1.6	0