Pia Lindberg

List of Publications by Year
in descending order

23 papers	1,835 citations	471509 17 h-index	642732 23 g-index
27 all docs	27 docs citations	27 times ranked	1656 citing authors

#	Article	IF	Citations
1	Engineering a platform for photosynthetic isoprene production in cyanobacteria, using Synechocystis as the model organism. Metabolic Engineering, 2010, 12, 70-79.	7.0	537
2	Synthetic Biology in Cyanobacteria. Methods in Enzymology, 2011, 497, 539-579.	1.0	184
3	Terpenoids and Their Biosynthesis in Cyanobacteria. Life, 2015, 5, 269-293.	2.4	132
4	Evaluation of promoters and ribosome binding sites for biotechnological applications in the unicellular cyanobacterium Synechocystis sp. PCC 6803. Scientific Reports, 2016, 6, 36640.	3.3	122
5	Modular engineering for efficient photosynthetic biosynthesis of 1-butanol from CO₂in cyanobacteria. Energy and Environmental Science, 2019, 12, 2765-2777.	30.8	119
6	Metabolic Engineering of Synechocystis sp. PCC 6803 for Production of the Plant Diterpenoid Manoyl Oxide. ACS Synthetic Biology, 2015, 4, 1270-1278.	3.8	113
7	Production of Squalene in Synechocystis sp. PCC 6803. PLoS ONE, 2014, 9, e90270.	2.5	99
8	Engineered cyanobacteria with enhanced growth show increased ethanol production and higher biofuel to biomass ratio. Metabolic Engineering, 2018, 46, 51-59.	7.0	91
9	Systematic overexpression study to find target enzymes enhancing production of terpenes in Synechocystis PCC 6803, using isoprene as a model compound. Metabolic Engineering, 2018, 49, 164-177.	7.0	84
10	Isobutanol production in Synechocystis PCC 6803 using heterologous and endogenous alcohol dehydrogenases. Metabolic Engineering Communications, 2017, 5, 45-53.	3.6	62
11	Metabolic engineering of Synechocystis sp. PCC 6803 for improved bisabolene production. Metabolic Engineering Communications, 2021, 12, e00159.	3.6	43
12	High density cultivation for efficient sesquiterpenoid biosynthesis in Synechocystis sp. PCC 6803. Scientific Reports, 2020, 10, 5932.	3.3	42
13	Increased ethylene production by overexpressing phosphoenolpyruvate carboxylase in the cyanobacterium Synechocystis PCC 6803. Biotechnology for Biofuels, 2020, 13, 16.	6.2	38
14	The chloroplast sulfate transport system in the green alga Chlamydomonas reinhardtii. Planta, 2008, 228, 951-961.	3.2	31
15	Introduction of a green algal squalene synthase enhances squalene accumulation in a strain of Synechocystis sp. PCC 6803. Metabolic Engineering Communications, 2020, 10, e00125.	3.6	21
16	Current processes and future challenges of photoautotrophic production of acetyl-CoA-derived solar fuels and chemicals in cyanobacteria. Current Opinion in Chemical Biology, 2020, 59, 69-76.	6.1	20
17	Doing synthetic biology with photosynthetic microorganisms. Physiologia Plantarum, 2021, 173, 624-638.	5.2	20
18	Engineering Biocatalytic Solar Fuel Production: The PHOTOFUEL Consortium. Trends in Biotechnology, 2021, 39, 323-327.	9.3	17

#	Article	IF	Citations
19	Production of succinate by engineered strains of Synechocystis PCC 6803 overexpressing phosphoenolpyruvate carboxylase and a glyoxylate shunt. Microbial Cell Factories, 2021, 20, 39.	4.0	14
20	Expression of phenylalanine ammonia lyases in Synechocystis sp. PCC 6803 and subsequent improvements of sustainable production of phenylpropanoids. Microbial Cell Factories, 2022, 21, 8.	4.0	13
21	Sll1783, a monooxygenase associated with polysaccharide processing in the unicellular cyanobacterium Synechocystis<scp>PCC</scp> 6803. Physiologia Plantarum, 2017, 161, 182-195.	5.2	10
22	Photoautotrophic production of renewable ethylene by engineered cyanobacteria: Steering the cell metabolism towards biotechnological use. Physiologia Plantarum, 2021, 173, 579-590.	5.2	10
23	In situ-immobilization of two model cyanobacterial strains in ceramic structures: A new biohybrid material for photobioreactor applications. Journal of Biotechnology, 2016, 223, 1-5.	3.8	4