

Konstantinos Vavitsas

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

768
citations

687363
13
h-index

713466
21
g-index

23
all docs

23
docs citations

23
times ranked

999
citing authors

#	ARTICLE	IF	CITATIONS
1	Birth of a Photosynthetic Chassis: A MoClo Toolkit Enabling Synthetic Biology in the Microalga <i>Chlamydomonas reinhardtii</i> . ACS Synthetic Biology, 2018, 7, 2074-2086.	3.8	225
2	CyanoGate: A Modular Cloning Suite for Engineering Cyanobacteria Based on the Plant MoClo Syntax. Plant Physiology, 2019, 180, 39-55.	4.8	123
3	Terpenoid Metabolic Engineering in Photosynthetic Microorganisms. Genes, 2018, 9, 520.	2.4	67
4	Extending the biosynthetic repertoires of cyanobacteria and chloroplasts. Plant Journal, 2016, 87, 87-102.	5.7	52
5	Modeling the mechanisms of biological GTP hydrolysis. Archives of Biochemistry and Biophysics, 2015, 582, 80-90.	3.0	48
6	Photosynthetic fuel for heterologous enzymes: the role of electron carrier proteins. Photosynthesis Research, 2017, 134, 329-342.	2.9	40
7	The Synthetic Biology Toolkit for Photosynthetic Microorganisms. Plant Physiology, 2019, 181, 14-27.	4.8	33
8	Heterologous expression of the isopimaric acid pathway in <i>Nicotiana benthamiana</i> and the effect of N-terminal modifications of the involved cytochrome P450 enzyme. Journal of Biological Engineering, 2015, 9, 24.	4.7	32
9	In vivo assembly of DNA-fragments in the moss, <i>Physcomitrella patens</i> . Scientific Reports, 2016, 6, 25030.	3.3	28
10	Harnessing transcription for bioproduction in cyanobacteria. Physiologia Plantarum, 2018, 162, 148-155.	5.2	25
11	Doing synthetic biology with photosynthetic microorganisms. Physiologia Plantarum, 2021, 173, 624-638.	5.2	20
12	Responses of <i>Synechocystis</i> sp. PCC 6803 to heterologous biosynthetic pathways. Microbial Cell Factories, 2017, 16, 140.	4.0	19
13	The two Dps proteins, NpDps2 and NpDps5, are involved in light-induced oxidative stress tolerance in the N ₂ -fixing cyanobacterium <i>Nostoc punctiforme</i> . Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1766-1776.	1.0	16
14	Are synthetic biology standards applicable in everyday research practice?. Microbial Biotechnology, 2020, 13, 1304-1308.	4.2	10
15	Synthetic Biology of Thermophiles: Taking Bioengineering to the Extremes?. Applied Microbiology, 2022, 2, 165-174.	1.6	7
16	PhD supervisors: be better mentors. Nature, 2017, 545, 158-158.	27.8	5
17	Turning G protein-coupled receptors into tunable biosensors. Synthetic Biology, 2019, 4, 1-11.	2.2	4
18	Driving innovation in biotechnology with Private-Public Partnerships: A Singapore perspective. Biotechnology Notes, 2021, 2, 59-62.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Biodesulfurization of Dibenzothiophene and Its Alkylated Derivatives in a Two-Phase Bubble Column Bioreactor by Resting Cells of <i>Rhodococcus erythropolis</i> IGTS8. <i>Processes</i> , 2021, 9, 2064.	2.8	4
20	OpenMTA, a paradigm shift in exchanging biological material. <i>Synthetic Biology</i> , 2018, 3, ysy021.	2.2	1
21	Could cells without genomes become the new synthetic biology chassis?. <i>Synthetic Biology</i> , 2020, 5, .	2.2	0