

Julian Wichmann

List of Publications by Year in descending order

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13
papers

950
citations

687363

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1125743

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times ranked

1028
citing authors

#	ARTICLE	IF	CITATIONS
1	Intron-containing algal transgenes mediate efficient recombinant gene expression in the green microalga <i>Chlamydomonas reinhardtii</i> . <i>Nucleic Acids Research</i> , 2018, 46, 6909-6919.	14.5	136
2	Tailored carbon partitioning for phototrophic production of (E)- β -bisabolene from the green microalga <i>Chlamydomonas reinhardtii</i> . <i>Metabolic Engineering</i> , 2018, 45, 211-222.	7.0	125
3	Efficient phototrophic production of a high-value sesquiterpenoid from the eukaryotic microalga <i>Chlamydomonas reinhardtii</i> . <i>Metabolic Engineering</i> , 2016, 38, 331-343.	7.0	120
4	Phototrophic production of heterologous diterpenoids and a hydroxy-functionalized derivative from <i>Chlamydomonas reinhardtii</i> . <i>Metabolic Engineering</i> , 2018, 49, 116-127.	7.0	91
5	Synthetic metabolic pathways for photobiological conversion of CO ₂ into hydrocarbon fuel. <i>Metabolic Engineering</i> , 2018, 49, 201-211.	7.0	90
6	Reconstruction of the lipid metabolism for the microalga <i>Monoraphidium neglectum</i> from its genome sequence reveals characteristics suitable for biofuel production. <i>BMC Genomics</i> , 2013, 14, 926.	2.8	84
7	Identification of <i>Monoraphidium contortum</i> as a promising species for liquid biofuel production. <i>Bioresource Technology</i> , 2013, 133, 622-626.	9.6	81
8	Patchoulol Production with Metabolically Engineered <i>Corynebacterium glutamicum</i> . <i>Genes</i> , 2018, 9, 219.	2.4	57
9	High density cultivation for efficient sesquiterpenoid biosynthesis in <i>Synechocystis</i> sp. PCC 6803. <i>Scientific Reports</i> , 2020, 10, 5932.	3.3	42
10	Investigating the dynamics of recombinant protein secretion from a microalgal host. <i>Journal of Biotechnology</i> , 2015, 215, 62-71.	3.8	38
11	Label-free in vivo analysis of intracellular lipid droplets in the oleaginous microalga <i>Monoraphidium neglectum</i> by coherent Raman scattering microscopy. <i>Scientific Reports</i> , 2016, 6, 35340.	3.3	35
12	Green algal hydrocarbon metabolism is an exceptional source of sustainable chemicals. <i>Current Opinion in Biotechnology</i> , 2020, 61, 28-37.	6.6	25
13	Engineering Biocatalytic Solar Fuel Production: The PHOTOFUEL Consortium. <i>Trends in Biotechnology</i> , 2021, 39, 323-327.	9.3	17