

Nam Kyu Kang

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,082
citations

516710

16
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

1200
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR/Cas9-induced knockout and knock-in mutations in <i>Chlamydomonas reinhardtii</i> . <i>Scientific Reports</i> , 2016, 6, 27810.	3.3	315
2	Effects of overexpression of a bHLH transcription factor on biomass and lipid production in <i>Nannochloropsis salina</i> . <i>Biotechnology for Biofuels</i> , 2015, 8, 200.	6.2	112
3	Current status and perspectives of genome editing technology for microalgae. <i>Biotechnology for Biofuels</i> , 2017, 10, 267.	6.2	102
4	Increased lipid production by heterologous expression of AtWR1 transcription factor in <i>Nannochloropsis salina</i> . <i>Biotechnology for Biofuels</i> , 2017, 10, 231.	6.2	85
5	Enhancement of biomass and lipid productivity by overexpression of a bZIP transcription factor in <i>Nannochloropsis salina</i> . <i>Biotechnology and Bioengineering</i> , 2018, 115, 331-340.	3.3	82
6	Enhancing lipid productivity of <i>Chlorella vulgaris</i> using oxidative stress by TiO ₂ nanoparticles. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 861-867.	2.7	80
7	Heterologous overexpression of sfCherry fluorescent protein in <i>Nannochloropsis salina</i> . <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2015, 8, 10-15.	4.4	28
8	Heterologous synthesis of chlorophyll b in <i>Nannochloropsis salina</i> enhances growth and lipid production by increasing photosynthetic efficiency. <i>Biotechnology for Biofuels</i> , 2019, 12, 122.	6.2	27
9	Enhancement of lipid production in <i>Nannochloropsis salina</i> by overexpression of endogenous NADP-dependent malic enzyme. <i>Algal Research</i> , 2021, 54, 102218.	4.6	27
10	Isolation, phenotypic characterization and genome wide analysis of a <i>Chlamydomonas reinhardtii</i> strain naturally modified under laboratory conditions: towards enhanced microalgal biomass and lipid production for biofuels. <i>Biotechnology for Biofuels</i> , 2017, 10, 308.	6.2	23
11	MAPK/ERK and JNK pathways regulate lipid synthesis and cell growth of <i>Chlamydomonas reinhardtii</i> under osmotic stress, respectively. <i>Scientific Reports</i> , 2018, 8, 13857.	3.3	23
12	Increased biomass and lipid production by continuous cultivation of <i>Nannochloropsis salina</i> transformant overexpressing a bHLH transcription factor. <i>Biotechnology and Bioengineering</i> , 2019, 116, 555-568.	3.3	23
13	Microalgal metabolic engineering strategies for the production of fuels and chemicals. <i>Bioresource Technology</i> , 2022, 345, 126529.	9.6	22
14	Complementation of a mutation in CpSRP43 causing partial truncation of light-harvesting chlorophyll antenna in <i>Chlorella vulgaris</i> . <i>Scientific Reports</i> , 2017, 7, 17929.	3.3	21
15	Development and characterization of a <i>Nannochloropsis</i> mutant with simultaneously enhanced growth and lipid production. <i>Biotechnology for Biofuels</i> , 2020, 13, 38.	6.2	21
16	Use of conditioned medium for efficient transformation and cost-effective cultivation of <i>Nannochloropsis salina</i> . <i>Bioresource Technology</i> , 2015, 181, 231-237.	9.6	17
17	Malic acid production from xylose by engineered <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Journal</i> , 2022, 17, e2000431.	3.5	16
18	Optimization of electroporation-based multiple pulses and further improvement of transformation efficiency using bacterial conditioned medium for <i>Nannochloropsis salina</i> . <i>Journal of Applied Phycology</i> , 2019, 31, 1153-1161.	2.8	15

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19	Safe-Harboring based novel genetic toolkit for <i>Nannochloropsis salina</i> CCMP1776: Efficient overexpression of transgene via CRISPR/Cas9-Mediated Knock-in at the transcriptional hotspot. <i>Bioresource Technology</i> , 2021, 340, 125676.	9.6	13
20	Advanced multigene expression system for <i>Nannochloropsis salina</i> using 2A self-cleaving peptides. <i>Journal of Biotechnology</i> , 2018, 278, 39-47.	3.8	12
21	Isolation and Characterization of Novel <i>Chlorella</i> Species with Cold Resistance and High Lipid Accumulation for Biodiesel Production. <i>Journal of Microbiology and Biotechnology</i> , 2019, 29, 952-961.	2.1	7
22	Enhancement of Lipid Production under Heterotrophic Conditions by Overexpression of an Endogenous bZIP Transcription Factor in <i>Chlorella</i> sp. HS2. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 1597-1606.	2.1	7
23	Molecular analysis of sugar transporters and glycolysis pathways in <i>Ettlia</i> sp. under heterotrophy using fructose and glucose. <i>Biotechnology Journal</i> , 2022, 17, e2100214.	3.5	4