

Kyle J Lauersen

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,882
citations

304602

22
h-index

377752

34
g-index

41
all docs

41
docs citations

41
times ranked

1496
citing authors

#	ARTICLE	IF	CITATIONS
1	Combinatorial Engineering Enables Photoautotrophic Growth in High Cell Density Phosphite-Buffered Media to Support Engineered <i>Chlamydomonas reinhardtii</i> Bio-Production Concepts. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	14
2	Continuous extraction and concentration of secreted metabolites from engineered microbes using membrane technology. <i>Green Chemistry</i> , 2022, 24, 5479-5489.	4.6	18
3	A New Approach to the Study of Plastidial Stress Granules: The Integrated Use of <i>Arabidopsis thaliana</i> and <i>Chlamydomonas reinhardtii</i> as Model Organisms. <i>Plants</i> , 2022, 11, 1467.	1.6	2
4	Biocompatible fluorocarbon liquid underlays for <i>in situ</i> extraction of isoprenoids from microbial cultures. <i>RSC Advances</i> , 2022, 12, 16632-16639.	1.7	8
5	Large-scale genome sequencing reveals the driving forces of viruses in microalgal evolution. <i>Cell Host and Microbe</i> , 2021, 29, 250-266.e8.	5.1	48
6	Efflux Transporters™ Engineering and Their Application in Microbial Production of Heterologous Metabolites. <i>ACS Synthetic Biology</i> , 2021, 10, 646-669.	1.9	14
7	Gene Delivery Technologies with Applications in Microalgal Genetic Engineering. <i>Biology</i> , 2021, 10, 265.	1.3	26
8	Engineering Biocatalytic Solar Fuel Production: The PHOTOFUEL Consortium. <i>Trends in Biotechnology</i> , 2021, 39, 323-327.	4.9	17
9	Alternative glycosylation controls endoplasmic reticulum dynamics and tubular extension in mammalian cells. <i>Science Advances</i> , 2021, 7, .	4.7	8
10	Intron-mediated enhancement of transgene expression in the oleaginous diatom <i>Fistulifera solaris</i> towards bisabolene production. <i>Algal Research</i> , 2021, 57, 102345.	2.4	7
11	Subcellular Localizations of Catalase and Exogenously Added Fatty Acid in <i>Chlamydomonas reinhardtii</i> . <i>Cells</i> , 2021, 10, 1940.	1.8	10
12	Green algal hydrocarbon metabolism is an exceptional source of sustainable chemicals. <i>Current Opinion in Biotechnology</i> , 2020, 61, 28-37.	3.3	25
13	Introns mediate post-transcriptional enhancement of nuclear gene expression in the green microalga <i>Chlamydomonas reinhardtii</i> . <i>PLoS Genetics</i> , 2020, 16, e1008944.	1.5	62
14	Emerging Technologies to Enable Sustainable Controlled Environment Agriculture in the Extreme Environments of Middle East-North Africa Coastal Regions. <i>Frontiers in Plant Science</i> , 2020, 11, 801.	1.7	14
15	Turning a green alga red: engineering astaxanthin biosynthesis by intragenic pseudogene revival in <i>Chlamydomonas reinhardtii</i> . <i>Plant Biotechnology Journal</i> , 2020, 18, 2053-2067.	4.1	103
16	Intronserter, an advanced online tool for design of intron containing transgenes. <i>Algal Research</i> , 2019, 42, 101588.	2.4	32
17	Characterization of the GPR1/FUN34/YaaH protein family in the green microalga <i>Chlamydomonas</i> suggests their role as intracellular membrane acetate channels. <i>Plant Direct</i> , 2019, 3, e00148.	0.8	16
18	Eukaryotic microalgae as hosts for light-driven heterologous isoprenoid production. <i>Planta</i> , 2019, 249, 155-180.	1.6	72

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19	Tailored carbon partitioning for phototrophic production of (E)- α -bisabolene from the green microalga <i>Chlamydomonas reinhardtii</i> . <i>Metabolic Engineering</i> , 2018, 45, 211-222.	3.6	125
20	Engineered Fusion Proteins for Efficient Protein Secretion and Purification of a Human Growth Factor from the Green Microalga <i>Chlamydomonas reinhardtii</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 2547-2557.	1.9	53
21	Birth of a Photosynthetic Chassis: A MoClo Toolkit Enabling Synthetic Biology in the Microalga <i>Chlamydomonas reinhardtii</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 2074-2086.	1.9	225
22	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.	6.5	136
23	Patchoulol Production with Metabolically Engineered <i>Corynebacterium glutamicum</i> . <i>Genes</i> , 2018, 9, 219.	1.0	57
24	Photocatalytic Production of Bisabolene from Green Microalgae Mutant: Process Analysis and Kinetic Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 10336-10344.	1.8	14
25	Phototrophic production of heterologous diterpenoids and a hydroxy-functionalized derivative from <i>Chlamydomonas reinhardtii</i> . <i>Metabolic Engineering</i> , 2018, 49, 116-127.	3.6	91
26	Synthetic metabolic pathways for photobiological conversion of CO ₂ into hydrocarbon fuel. <i>Metabolic Engineering</i> , 2018, 49, 201-211.	3.6	90
27	Peroxisomal microbodies are at the crossroads of acetate assimilation in the green microalga <i>Chlamydomonas reinhardtii</i> . <i>Algal Research</i> , 2016, 16, 266-274.	2.4	54
28	Efficient phototrophic production of a high-value sesquiterpenoid from the eukaryotic microalga <i>Chlamydomonas reinhardtii</i> . <i>Metabolic Engineering</i> , 2016, 38, 331-343.	3.6	120
29	Targeted expression of nuclear transgenes in <i>Chlamydomonas reinhardtii</i> with a versatile, modular vector toolkit. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 3491-3503.	1.7	123
30	Investigating the dynamics of recombinant protein secretion from a microalgal host. <i>Journal of Biotechnology</i> , 2015, 215, 62-71.	1.9	38
31	Ice recrystallization inhibition mediated by a nuclear-expressed and -secreted recombinant ice-binding protein in the microalga <i>Chlamydomonas reinhardtii</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 9763-9772.	1.7	35
32	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.	1.2	84
33	Efficient recombinant protein production and secretion from nuclear transgenes in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biotechnology</i> , 2013, 167, 101-110.	1.9	87
34	Expression and characterization of an antifreeze protein from the perennial rye grass, <i>Lolium perenne</i> . <i>Cryobiology</i> , 2011, 62, 194-201.	0.3	45