

Jae-Hyeok Lee

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,957
citations

471509

17
h-index

580821

25
g-index

30
all docs

30
docs citations

30
times ranked

2929
citing authors

#	ARTICLE	IF	CITATIONS
1	The bHLH family NITROGEN REPLETION INSENSITIVE1 represses nitrogen starvation-induced responses in <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , 2022, , .	5.7	3
2	Sex-linked deubiquitinase establishes uniparental transmission of chloroplast DNA. <i>Nature Communications</i> , 2022, 13, 1133.	12.8	13
3	Arginine-fed cultures generates triacylglycerol by triggering nitrogen starvation responses during robust growth in <i>Chlamydomonas</i> . <i>Algal Research</i> , 2020, 46, 101782.	4.6	9
4	<sc>TALE</sc> homeobox heterodimer <sc>GSM1</sc>/<sc>GSP1</sc> is a molecular switch that prevents unwarranted genetic recombination in <i>Chlamydomonas</i>. <i>Plant Journal</i> , 2019, 100, 938-953.	5.7	20
5	Cell wall integrity signaling regulates cell wall-related gene expression in <i>Chlamydomonas reinhardtii</i> . <i>Scientific Reports</i> , 2019, 9, 12204.	3.3	20
6	Acidocalcisomes: Ultrastructure, Biogenesis, and Distribution in Microbial Eukaryotes. <i>Protist</i> , 2019, 170, 287-313.	1.5	43
7	Analysis of an improved <i>Cyanophora paradoxa</i> genome assembly. <i>DNA Research</i> , 2019, 26, 287-299.	3.4	35
8	Novel approaches for generating and manipulating diploid strains of <i>Chlamydomonas reinhardtii</i> . <i>Algae</i> , 2019, 34, 35-43.	2.3	6
9	Common ancestry of heterodimerizing TALE homeobox transcription factors across Metazoa and Archaeplastida. <i>BMC Biology</i> , 2018, 16, 136.	3.8	21
10	Epiplasts: Membrane Skeletons and Epiplastin Proteins in Euglenids, Glaucophytes, Cryptophytes, Ciliates, Dinoflagellates, and Apicomplexans. <i>MBio</i> , 2018, 9, .	4.1	23
11	Gene Regulatory Networks for the Haploid-to-Diploid Transition of <i>Chlamydomonas reinhardtii</i>. <i>Plant Physiology</i> , 2017, 175, 314-332.	4.8	42
12	Microfluidic high-throughput selection of microalgal strains with superior photosynthetic productivity using competitive phototaxis. <i>Scientific Reports</i> , 2016, 6, 21155.	3.3	57
13	PETO Interacts with Other Effectors of Cyclic Electron Flow in <i>Chlamydomonas</i> . <i>Molecular Plant</i> , 2016, 9, 558-568.	8.3	34
14	Live cell imaging compatible immobilization of <i>Chlamydomonas reinhardtii</i> in microfluidic platform for biodiesel research. <i>Biotechnology and Bioengineering</i> , 2015, 112, 494-501.	3.3	11
15	Eisosome Ultrastructure and Evolution in Fungi, Microalgae, and Lichens. <i>Eukaryotic Cell</i> , 2015, 14, 1017-1042.	3.4	45
16	The Path to Triacylglyceride Obesity in the <i>sta6</i> Strain of <i>Chlamydomonas reinhardtii</i> . <i>Eukaryotic Cell</i> , 2014, 13, 591-613.	3.4	143
17	Expression of the high light-inducible <i>Dunaliella</i> LIP promoter in <i>Chlamydomonas reinhardtii</i> . <i>Planta</i> , 2013, 238, 1147-1156.	3.2	24
18	Targeted metagenomics and ecology of globally important uncultured eukaryotic phytoplankton. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 14679-14684.	7.1	257

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19	Green Evolution and Dynamic Adaptations Revealed by Genomes of the Marine Picoeukaryotes <i>Micromonas</i> . <i>Science</i> , 2009, 324, 268-272.	12.6	591
20	Early Sexual Origins of Homeoprotein Heterodimerization and Evolution of the Plant KNOX/BELL Family. <i>Cell</i> , 2008, 133, 829-840.	28.9	191
21	Between-Species Analysis of Short-Repeat Modules in Cell Wall and Sex-Related Hydroxyproline-Rich Glycoproteins of <i>Chlamydomonas</i> . <i>Plant Physiology</i> , 2007, 144, 1813-1826.	4.8	41
22	Sex determination in <i>Chlamydomonas</i> . <i>Seminars in Cell and Developmental Biology</i> , 2007, 18, 350-361.	5.0	129
23	Plus and Minus Sexual Agglutinins from <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2005, 17, 597-615.	6.6	82
24	Natural variation in nucleolar dominance reveals the relationship between nucleolus organizer chromatin topology and rRNA gene transcription in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11418-11423.	7.1	85
25	Expression of the Telomeric Repeat Binding Factor Gene NgTRF1 Is Closely Coordinated with the Cell Division Program in Tobacco BY-2 Suspension Culture Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 21395-21407.	3.4	31