# Jae-Hyeok Lee

List of Publications by Year
in descending order



| 25 | 1,957 | 471509 17 | 580821 25 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 30 | 30 | 30 | 2929 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Green Evolution and Dynamic Adaptations Revealed by Genomes of the Marine Picoeukaryotes Micromonas. Science, 2009, 324, 268-272. | 12.6 | 591 |
| 2 | Targeted metagenomics and ecology of globally important uncultured eukaryotic phytoplankton. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14679-14684. | 7.1 | 257 |
| 3 | Early Sexual Origins of Homeoprotein Heterodimerization and Evolution of the Plant KNOX/BELL Family. Cell, 2008, 133, 829-840. | 28.9 | 191 |
| 4 | The Path to Triacylglyceride Obesity in the sta6 Strain of Chlamydomonas reinhardtii. Eukaryotic Cell, 2014, 13, 591-613. | 3.4 | 143 |
| 5 | Sex determination in Chlamydomonas. Seminars in Cell and Developmental Biology, 2007, 18, 350-361. | 5.0 | 129 |
| 6 | Natural variation in nucleolar dominance reveals the relationship between nucleolus organizer chromatin topology and rRNA gene transcription in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11418-11423. | 7.1 | 85 |
| 7 | Plus and Minus Sexual Agglutinins from Chlamydomonas reinhardtii Â. Plant Cell, 2005, 17, 597-615. | 6.6 | 82 |
| 8 | Microfluidic high-throughput selection of microalgal strains with superior photosynthetic productivity using competitive phototaxis. Scientific Reports, 2016, 6, 21155. | 3.3 | 57 |
| 9 | Eisosome Ultrastructure and Evolution in Fungi, Microalgae, and Lichens. Eukaryotic Cell, 2015, 14, 1017-1042. | 3.4 | 45 |
| 10 | Acidocalcisomes: Ultrastructure, Biogenesis, and Distribution in Microbial Eukaryotes. Protist, 2019, 170, 287-313. | 1.5 | 43 |
| 11 | Gene Regulatory Networks for the Haploid-to-Diploid Transition of Chlamydomonas reinhardtii. Plant Physiology, 2017, 175, 314-332. | 4.8 | 42 |
| 12 | Between-Species Analysis of Short-Repeat Modules in Cell Wall and Sex-Related Hydroxyproline-Rich Glycoproteins of Chlamydomonas Â. Plant Physiology, 2007, 144, 1813-1826. | 4.8 | 41 |
| 13 | Analysis of an improved Cyanophora paradoxa genome assembly. DNA Research, 2019, 26, 287-299. | 3.4 | 35 |
| 14 | PETOÂInteracts with Other Effectors of Cyclic Electron Flow in Chlamydomonas. Molecular Plant, 2016, 9, 558-568. | 8.3 | 34 |
| 15 | Expression of the Telomeric Repeat Binding Factor Gene NgTRF1 Is Closely Coordinated with the Cell Division Program in Tobacco BY-2 Suspension Culture Cells. Journal of Biological Chemistry, 2003, 278, 21395-21407. | 3.4 | 31 |
| 16 | Expression of the high light-inducible Dunaliella LIP promoter in Chlamydomonas reinhardtii. Planta, 2013, 238, 1147-1156. | 3.2 | 24 |
| 17 | Epiplasts: Membrane Skeletons and Epiplastin Proteins in Euglenids, Glaucophytes, Cryptophytes, Ciliates, Dinoflagellates, and Apicomplexans. MBio, 2018, 9, . | 4.1 | 23 |
| 18 | Common ancestry of heterodimerizing TALE homeobox transcription factors across Metazoa and Archaeplastida. BMC Biology, 2018, 16, 136. | 3.8 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | <scp>TALE</scp> homeobox heterodimer <scp>GSM</scp>1/<scp>GSP</scp>1 is a molecular switch that prevents unwarranted genetic recombination in Chlamydomonas. Plant Journal, 2019, 100, 938-953. | 5.7 | 20 |
| 20 | Cell wall integrity signaling regulates cell wall-related gene expression in Chlamydomonas reinhardtii. Scientific Reports, 2019, 9, 12204. | 3.3 | 20 |
| 21 | Sex-linked deubiquitinase establishes uniparental transmission of chloroplast DNA. Nature Communications, 2022, 13, 1133. | 12.8 | 13 |
| 22 | Live cell imaging compatible immobilization of Chlamydomonas reinhardtii in microfluidic platform for biodiesel research. Biotechnology and Bioengineering, 2015, 112, 494-501. | 3.3 | 11 |
| 23 | Arginine-fed cultures generates triacylglycerol by triggering nitrogen starvation responses during robust growth in Chlamydomonas. Algal Research, 2020, 46, 101782. | 4.6 | 9 |
| 24 | Novel approaches for generating and manipulating diploid strains of Chlamydomonas reinhardtii. Algae, 2019, 34, 35-43. | 2.3 | 6 |
| 25 | The bHLH family NITROGENâ€REPLETION INSENSITIVE1 represses nitrogen starvationâ€induced responses in Chlamydomonas reinhardtii .. Plant Journal, 2022, , . | 5.7 | 3 |