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List of Publications by Year
in descending order

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32 papers	1,362 citations	516561 16 h-index	434063 31 g-index
32 all docs	32 docs citations	32 times ranked	1792 citing authors

#	Article	IF	Citations
1	Single cellâ€type transcriptome profiling reveals genes that promote nitrogen fixation in the infected and uninfected cells of legume nodules. Plant Biotechnology Journal, 2022, 20, 616-618.	4.1	15
2	Expansion of bilinâ€based red light sensors in the subaerial desert cyanobacterium Nostoc flagelliforme. Environmental Microbiology, 2022, 24, 2047-2058.	1.8	5
3	Using Amaranthus green proteins as universal biosurfactant and biosorbent for effective enzymatic degradation of diverse lignocellulose residues and efficient multiple trace metals remediation of farming lands. Journal of Hazardous Materials, 2021, 406, 124727.	6.5	56
4	Bilin-dependent regulation of chlorophyll biosynthesis by GUN4. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	18
5	Highly Efficient CRISPR-Mediated Base Editing in Sinorhizobium meliloti. Frontiers in Microbiology, 2021, 12, 686008.	1.5	5
6	Molecular Characterization of Carbonic Anhydrase Genes in Lotus japonicus and Their Potential Roles in Symbiotic Nitrogen Fixation. International Journal of Molecular Sciences, 2021, 22, 7766.	1.8	9
7	Three classes of hemoglobins are required for optimal vegetative and reproductive growth of Lotus japonicus: genetic and biochemical characterization of LjGlb2-1. Journal of Experimental Botany, 2021, 72, 7778-7791.	2.4	4
8	Structural basis of bilin binding by the chlorophyll biosynthesis regulator <scp>GUN4</scp>. Protein Science, 2021, 30, 2083-2091.	3.1	6
9	Natural variation at Os<scp>CERK</scp>1 regulates arbuscular mycorrhizal symbiosis in rice. New Phytologist, 2020, 225, 1762-1776.	3.5	43
10	Dephosphorylation of LjMPK6 by Phosphatase LjPP2C is Involved in Regulating Nodule Organogenesis in Lotus japonicus. International Journal of Molecular Sciences, 2020, 21, 5565.	1.8	8
11	Photosynthesis in Chlamydomonas reinhardtii: What We Have Learned So Far?. , 2020, , 121-136.		2
12	CRISPR/Cas9 knockout of leghemoglobin genes in Lotus japonicus uncovers their synergistic roles in symbiotic nitrogen fixation. New Phytologist, 2019, 224, 818-832.	3.5	64
13	Genome Editing in Cowpea Vigna unguiculata Using CRISPR-Cas9. International Journal of Molecular Sciences, 2019, 20, 2471.	1.8	85
14	Overexpression of particular MADSâ€box transcription factors in heatâ€stressed plants induces chloroplast biogenesis in petals. Plant, Cell and Environment, 2019, 42, 1545-1560.	2.8	19
15	A Dihydroflavonol-4-Reductase-Like Protein Interacts with NFR5 and Regulates Rhizobial Infection in Lotus japonicus. Molecular Plant-Microbe Interactions, 2019, 32, 401-412.	1.4	4
16	Characterization of Ferredoxin-Dependent Biliverdin Reductase PCYA1 Reveals the Dual Function in Retrograde Bilin Biosynthesis and Interaction With Light-Dependent Protochlorophyllide Oxidoreductase LPOR in Chlamydomonas reinhardtii. Frontiers in Plant Science, 2018, 9, 676.	1.7	11
17	A C3HC4â€type RING finger protein regulates rhizobial infection and nodule organogenesis in Lotus japonicus. Journal of Integrative Plant Biology, 2018, 60, 878-896.	4.1	18
18	Suppression of innate immunity mediated by the CDPKâ€Rboh complex is required for rhizobial colonization in Medicago truncatula nodules. New Phytologist, 2018, 220, 425-434.	3.5	53

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19	Algal light sensing and photoacclimation in aquatic environments. Plant, Cell and Environment, 2017, 40, 2558-2570.	2.8	46
20	Use of CRISPR/Cas9 for Symbiotic Nitrogen Fixation Research in Legumes. Progress in Molecular Biology and Translational Science, 2017, 149, 187-213.	0.9	24
21	The HLA3 Protein of C. Reinhardtii Enhances HCO 3 - Transport Activity of Mammalian Cells. Biophysical Journal, 2017, 112, 571a.	0.2	1
22	A novel activation domain is essential for CIA5-mediated gene regulation in response to CO2 changes in Chlamydomonas reinhardtii. Algal Research, 2017, 24, 207-217.	2.4	5
23	Bilin-Dependent Photoacclimation in Chlamydomonas reinhardtii. Plant Cell, 2017, 29, 2711-2726.	3.1	36
24	Efficient Inactivation of Symbiotic Nitrogen Fixation Related Genes in Lotus japonicus Using CRISPR-Cas9. Frontiers in Plant Science, 2016, 7, 1333.	1.7	83
25	NODULES WITH ACTIVATED DEFENSE 1 is required for maintenance of rhizobial endosymbiosis in Medicago truncatula. New Phytologist, 2016, 212, 176-191.	3.5	90
26	Eukaryotic algal phytochromes span the visible spectrum. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3871-3876.	3.3	153
27	Marine algae and land plants share conserved phytochrome signaling systems. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15827-15832.	3.3	108
28	Retrograde bilin signaling enables Chlamydomonas greening and phototrophic survival. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3621-3626.	3.3	107
29	Insertional suppressors of Chlamydomonas reinhardtii that restore growth of air-dier lcib mutants in low CO2. Photosynthesis Research, 2011, 109, 123-132.	1.6	9
30	Carbon dioxide concentrating mechanism in Chlamydomonas reinhardtii: inorganic carbon transport and CO2 recapture. Photosynthesis Research, 2011, 109, 115-122.	1.6	112
31	Knockdown of limiting-CO ₂ â€“induced gene HLA3 decreases HCO ₃ ^{â^’} transport and photosynthetic Ci affinity in Chlamydomonas reinhardtii. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5990-5995.	3.3	102
32	Thylakoid Lumen Carbonic Anhydrase (CAH3) Mutation Suppresses Air-Dier Phenotype of LCIB Mutant in Chlamydomonas reinhardtii. Plant Physiology, 2009, 149, 929-937.	2.3	61