Peter Jahns

List of Publications by Year
in descending order

32 papers	2,835 citations	304743 22 h-index	414414 32 g-index
32 all docs	32 docs citations	32 times ranked	3512 citing authors

#	Article	IF	Citations
1	Zeaxanthin Epoxidase Activity Is Downregulated by Hydrogen Peroxide. Plant and Cell Physiology, 2022, 63, 1091-1100.	3.1	13
2	Mg deficiency induces photo-oxidative stress primarily by limiting CO2 assimilation and not by limiting photosynthetic light utilization. Plant Science, 2021, 302, 110751.	3.6	19
3	Stromal NADH supplied by PHOSPHOGLYCERATE DEHYDROGENASE3 is crucial for photosynthetic performance. Plant Physiology, 2021, 186, 142-167.	4.8	16
4	Introduction of the Carotenoid Biosynthesis Î±-Branch Into Synechocystis sp. PCC 6803 for Lutein Production. Frontiers in Plant Science, 2021, 12, 699424.	3.6	9
5	The Arabidopsis Protein CGL20 Is Required for Plastid 50S Ribosome Biogenesis. Plant Physiology, 2020, 182, 1222-1238.	4.8	14
6	H⁺ Transport by K⁺ EXCHANGE ANTIPORTER3 Promotes Photosynthesis and Growth in Chloroplast ATP Synthase Mutants. Plant Physiology, 2020, 182, 2126-2142.	4.8	32
7	PsbS contributes to photoprotection in Chlamydomonas reinhardtii independently of energy dissipation. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148183.	1.0	29
8	Plastoglobular protein 18 is involved in chloroplast function and thylakoid formation. Journal of Experimental Botany, 2019, 70, 3981-3993.	4.8	17
9	Photoprotection in a monophyletic branch of chlorophyte algae is independent of energyâ€dependent quenching (qE). New Phytologist, 2017, 214, 1132-1144.	7.3	44
10	Plant Growth under Natural Light Conditions Provides Highly Flexible Short-Term Acclimation Properties toward High Light Stress. Frontiers in Plant Science, 2017, 8, 681.	3.6	82
11	The Dynamics of Energy Dissipation and Xanthophyll Conversion in Arabidopsis Indicate an Indirect Photoprotective Role of Zeaxanthin in Slowly Inducible and Relaxing Components of Non-photochemical Quenching of Excitation Energy. Frontiers in Plant Science, 2017, 8, 2094.	3.6	52
12	Photosystem II Subunit PsbS Is Involved in the Induction of LHCSR Protein-dependent Energy Dissipation in Chlamydomonas reinhardtii. Journal of Biological Chemistry, 2016, 291, 17478-17487.	3.4	100
13	Envelope K⁺/H⁺ Antiporters AtKEA1 and AtKEA2 Function in Plastid Development. Plant Physiology, 2016, 172, 441-449.	4.8	58
14	PsbS interactions involved in the activation of energy dissipation in Arabidopsis. Nature Plants, 2016, 2, 15225.	9.3	105
15	PGR5-PGRL1-Dependent Cyclic Electron Transport Modulates Linear Electron Transport Rate in Arabidopsis thaliana. Molecular Plant, 2016, 9, 271-288.	8.3	119
16	The Arabidopsis Protein CGLD11 Is Required for Chloroplast ATP Synthase Accumulation. Molecular Plant, 2016, 9, 885-899.	8.3	17
17	Tissue-Specific Accumulation and Regulation of Zeaxanthin Epoxidase in Arabidopsis Reflect the Multiple Functions of the Enzyme in Plastids. Plant and Cell Physiology, 2015, 56, 346-357.	3.1	70
18	Comparison of sister species identifies factors underpinning plastid compatibility in green sea slugs. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142519.	2.6	44

#	Article	IF	Citations
19	European native Myriophyllum spicatum showed a higher $${ext{HCO}}_{3}^{ - }$$ HCO 3 - use capacity than alien invasive Myriophyllum heterophyllum. Hydrobiologia, 2015, 746, 171-182.	2.0	28
20	Why It Is Time to Look Beyond Algal Genes in Photosynthetic Slugs. Genome Biology and Evolution, 2015, 7, 2602-2607.	2.5	28
21	Switching off photosynthesis. Communicative and Integrative Biology, 2014, 7, e28029.	1.4	18
22	The Arabidopsis Protein CONSERVED ONLY IN THE GREEN LINEAGE160 Promotes the Assembly of the Membranous Part of the Chloroplast ATP Synthase. Plant Physiology, 2014, 165, 207-226.	4.8	35
23	Ion antiport accelerates photosynthetic acclimation in fluctuating light environments. Nature Communications, 2014, 5, 5439.	12.8	205
24	CO2 availability rather than light and temperature determines growth and phenotypical responses in submerged Myriophyllum aquaticum. Aquatic Botany, 2013, 110, 31-37.	1.6	40
25	The role of the xanthophyll cycle and of lutein in photoprotection of photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 182-193.	1.0	867
26	Mechanism and regulation of the violaxanthin cycle: The role of antenna proteins and membrane lipids. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 3-14.	1.0	331
27	The Transiently Generated Nonphotochemical Quenching of Excitation Energy in Arabidopsis Leaves Is Modulated by Zeaxanthin. Plant Physiology, 2007, 143, 1861-1870.	4.8	62
28	The Transiently Generated Nonphotochemical Quenching of Excitation Energy in Arabidopsis Leaves Is Modulated by Zeaxanthin. Plant Physiology, 2007, 143, 1861-1870.	4.8	23
29	Mutants for photosystem I subunit D ofArabidopsis thaliana: effects on photosynthesis, photosystem I stability and expression of nuclear genes for chloroplast functions. Plant Journal, 2004, 37, 839-852.	5.7	117
30	Single point mutation in the Rieske iron-sulfur subunit of cytochromeb6/fleads to an altered pH dependence of plastoquinol oxidation inArabidopsis. FEBS Letters, 2002, 519, 99-102.	2.8	53
31	Knock-out of the plastid ribosomal protein L11 in Arabidopsis: effects on mRNA translation and photosynthesis. Plant Journal, 2001, 27, 179-189.	5.7	90
32	Cytochrome b6f mutation specifically affects thermal dissipation of absorbed light energy in Arabidopsis. Plant Journal, 2001, 28, 351-359.	5.7	98