

Sascha Offermann

List of Publications by Year in descending order

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22
papers

507
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687363

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677142

22
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22
all docs

22
docs citations

22
times ranked

669
citing authors

#	ARTICLE	IF	CITATIONS
1	Photorespiratory bypasses: how can they work?. <i>Journal of Experimental Botany</i> , 2013, 64, 709-715.	4.8	64
2	Illumination Is Necessary and Sufficient to Induce Histone Acetylation Independent of Transcriptional Activity at the C4-Specific Phosphoenolpyruvate Carboxylase Promoter in Maize. <i>Plant Physiology</i> , 2006, 141, 1078-1088.	4.8	47
3	Resolving the Compartmentation and Function of C4 Photosynthesis in the Single-Cell C4 Species <i>Bienertia sinuspersici</i> . <i>Plant Physiology</i> , 2011, 155, 1612-1628.	4.8	43
4	A Common Histone Modification Code on C4 Genes in Maize and Its Conservation in Sorghum and <i>Setaria italica</i> . <i>Plant Physiology</i> , 2013, 162, 456-469.	4.8	39
5	Leaf Development in the Single-Cell C ₄ System in <i>Bienertia sinuspersici</i> : Expression of Genes and Peptide Levels for C ₄ Metabolism in Relation to Chlorenchyma Structure under Different Light Conditions. <i>Plant Physiology</i> , 2008, 148, 593-610.	4.8	38
6	Developmental and Environmental Signals Induce Distinct Histone Acetylation Profiles on Distal and Proximal Promoter Elements of the <i>C4-Pepc</i> Gene in Maize. <i>Genetics</i> , 2008, 179, 1891-1901.	2.9	35
7	One decade after the discovery of single-cell C4 species in terrestrial plants: what did we learn about the minimal requirements of C4 photosynthesis?. <i>Photosynthesis Research</i> , 2014, 119, 169-180.	2.9	32
8	The effects of salinity on photosynthesis and growth of the single-cell C4 species <i>Bienertia sinuspersici</i> (Chenopodiaceae). <i>Photosynthesis Research</i> , 2010, 106, 201-214.	2.9	31
9	Developmental information but not promoter activity controls the methylation state of histone H3 lysine ^{f4} on two photosynthetic genes in maize. <i>Plant Journal</i> , 2008, 53, 465-474.	5.7	30
10	Developmental and Subcellular Organization of Single-Cell C4 Photosynthesis in <i>Bienertia sinuspersici</i> Determined by Large-Scale Proteomics and cDNA Assembly from 454 DNA Sequencing. <i>Journal of Proteome Research</i> , 2015, 14, 2090-2108.	3.7	30
11	Re-engineering of carbon fixation in plants – challenges for plant biotechnology to improve yields in a high-CO ₂ world. <i>Current Opinion in Biotechnology</i> , 2012, 23, 204-208.	6.6	25
12	Can we learn from heterosis and epigenetics to improve photosynthesis?. <i>Current Opinion in Plant Biology</i> , 2014, 19, 105-110.	7.1	17
13	Transit peptide elements mediate selective protein targeting to two different types of chloroplasts in the single-cell C4 species <i>Bienertia sinuspersici</i> . <i>Scientific Reports</i> , 2017, 7, 41187.	3.3	14
14	In vitro cultures and regeneration of <i>Bienertia sinuspersici</i> (Chenopodiaceae) under increasing concentrations of sodium chloride and carbon dioxide. <i>Plant Cell Reports</i> , 2011, 30, 1541-1553.	5.6	13
15	Loss of the M-box from the glycine decarboxylase P-subunit promoter in C2 <i>Moricandia</i> species. <i>Plant Gene</i> , 2019, 18, 100176.	2.3	12
16	Development, subcellular positioning and selective protein accumulation in the dimorphic chloroplasts of single-cell C4 species. <i>Current Opinion in Plant Biology</i> , 2016, 31, 76-82.	7.1	11
17	How do single cell C4 species form dimorphic chloroplasts?. <i>Plant Signaling and Behavior</i> , 2011, 6, 762-765.	2.4	9
18	Automated DNA preparation from maize tissues and food samples suitable for real-time PCR detection of native genes. <i>European Food Research and Technology</i> , 2002, 215, 443-446.	3.3	5

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19	Effectiveness of Light-Quality and Dark-White Growth Light Shifts in Short-Term Light Acclimation of Photosynthesis in Arabidopsis. <i>Frontiers in Plant Science</i> , 2021, 12, 615253.	3.6	5
20	QUANTITATIVE DETECTION OF TRANSGENIC AND ENDOGENOUS DNA SEQUENCES IN SEEDS AFTER AUTOMATED DNA PREPARATION. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2004, 16, 1-6.	0.6	3
21	Efficient In Vivo Screening Method for the Identification of C4 Photosynthesis Inhibitors Based on Cell Suspensions of the Single-Cell C4 Plant <i>Bienertia sinuspersici</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1350.	3.6	3
22	<i>Agrobacterium</i> -mediated transient transformation of <i>Bienertia sinuspersici</i> to assay recombinant protein distribution between dimorphic chloroplasts. <i>Plant Cell Reports</i> , 2019, 38, 779-782.	5.6	1