

Charles P Pignon

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

9

papers

140

citations

5

h-index

11

g-index

11

ext. papers

249

ext. citations

8.8

avg, IF

3.32

L-index

#	Paper	IF	Citations
9	Water Use Efficiency as a Constraint and Target for Improving the Resilience and Productivity of C and C Crops. <i>Annual Review of Plant Biology</i> , 2019 , 70, 781-808	30.7	84
8	Loss of photosynthetic efficiency in the shade. An Achilles heel for the dense modern stands of our most productive C4 crops?. <i>Journal of Experimental Botany</i> , 2017 , 68, 335-345	7	21
7	Retrospective analysis of biochemical limitations to photosynthesis in 49 species: C crops appear still adapted to pre-industrial atmospheric [CO ₂]. <i>Plant, Cell and Environment</i> , 2020 , 43, 2606-2622	8.4	8
6	Drivers of Natural Variation in Water-Use Efficiency Under Fluctuating Light Are Promising Targets for Improvement in Sorghum. <i>Frontiers in Plant Science</i> , 2021 , 12, 627432	6.2	7
5	Light, Not Age, Underlies the Maladaptation of Maize and Miscanthus Photosynthesis to Self-Shading. <i>Frontiers in Plant Science</i> , 2020 , 11, 783	6.2	6
4	Siberian Miscanthus sacchariflorus accessions surpass the exceptional chilling tolerance of the most widely cultivated clone of Miscanthus x giganteus. <i>GCB Bioenergy</i> , 2019 , 11, 883-894	5.6	4
3	Bundle sheath chloroplast volume can house sufficient Rubisco to avoid limiting C4 photosynthesis during chilling. <i>Journal of Experimental Botany</i> , 2019 , 70, 357-365	7	4
2	Transgenic insertion of the cyanobacterial membrane protein ictB increases grain yield in Zea mays through increased photosynthesis and carbohydrate production. <i>PLoS ONE</i> , 2021 , 16, e0246359	3.7	3
1	Phenotyping stomatal closure by thermal imaging for GWAS and TWAS of water use efficiency-related genes. <i>Plant Physiology</i> , 2021 , 187, 2544-2562	6.6	3