

Virginie Mengin

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

906
citations

623574

14
h-index

839398

18
g-index

20
all docs

20
docs citations

20
times ranked

1321
citing authors

#	ARTICLE	IF	CITATIONS
1	Anthocyanin identification and composition of wild <i>Vitis</i> spp. accessions by using LC-MS and LC-NMR. <i>Analytica Chimica Acta</i> , 2012, 732, 145-152.	2.6	113
2	Metabolite pools and carbon flow during C ₄ photosynthesis in maize: ¹³ C ₂ labeling kinetics and cell type fractionation. <i>Journal of Experimental Botany</i> , 2017, 68, 283-298.	2.4	104
3	Getting back to nature: a reality check for experiments in controlled environments. <i>Journal of Experimental Botany</i> , 2017, 68, 4463-4477.	2.4	89
4	Multiscale digital <i>Arabidopsis</i> predicts individual organ and whole-organism growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4127-36.	3.3	88
5	Photosynthate partitioning to starch in <i>Arabidopsis thaliana</i> is insensitive to light intensity but sensitive to photoperiod due to a restriction on growth in the light in short photoperiods. <i>Plant, Cell and Environment</i> , 2017, 40, 2608-2627.	2.8	82
6	Leaf Starch Turnover Occurs in Long Days and in Falling Light at the End of the Day. <i>Plant Physiology</i> , 2017, 174, 2199-2212.	2.3	80
7	Modelling central metabolic fluxes by constraint-based optimization reveals metabolic reprogramming of developing <i>Solanum lycopersicum</i> (tomato) fruit. <i>Plant Journal</i> , 2015, 81, 24-39.	2.8	76
8	Response of the Circadian Clock and Diel Starch Turnover to One Day of Low Light or Low CO ₂ . <i>Plant Physiology</i> , 2019, 179, 1457-1478.	2.3	52
9	Multiple circadian clock outputs regulate diel turnover of carbon and nitrogen reserves. <i>Plant, Cell and Environment</i> , 2019, 42, 549-573.	2.8	49
10	Defining the robust behaviour of the plant clock gene circuit with absolute RNA timeseries and open infrastructure. <i>Open Biology</i> , 2015, 5, 150042.	1.5	42
11	Impact of the SnRK1 protein kinase on sucrose homeostasis and the transcriptome during the diel cycle. <i>Plant Physiology</i> , 2021, 187, 1357-1373.	2.3	39
12	Modeling Protein Destiny in Developing Fruit. <i>Plant Physiology</i> , 2019, 180, 1709-1724.	2.3	33
13	Relationship between irradiance and levels of Calvin-Benson cycle and other intermediates in the model eudicot <i>Arabidopsis</i> and the model monocot rice. <i>Journal of Experimental Botany</i> , 2019, 70, 5809-5825.	2.4	23
14	Anthocyanin Phytochemical Profiles and Antioxidant Activities of <i>Vitis candicans</i> and <i>Vitis doaniana</i> . <i>Phytochemical Analysis</i> , 2013, 24, 446-452.	1.2	14
15	Phytochromes control metabolic flux, and their action at the seedling stage determines adult plant biomass. <i>Journal of Experimental Botany</i> , 2021, 72, 3263-3278.	2.4	6
16	The circadian clock mutant <i>lhy cca1 elf3</i> paces starch mobilization to dawn despite severely disrupted circadian clock function. <i>Plant Physiology</i> , 2022, 189, 2332-2356.	2.3	4
17	Editorial: A Novel Perspective for Photosystem I: An Emerging Hub for the Functional Integration of Photosynthesis and Metabolism. <i>Frontiers in Plant Science</i> , 2022, 13, 871623.	1.7	2
18	The <i>Arabidopsis</i> Framework Model version 2 predicts the organism-level effects of circadian clock gene mis-regulation. <i>In Silico Plants</i> , 2022, 4, .	0.8	2