Alexis Peaucelle

List of Publications by Year
in descending order

16	2,675	840776	940533
papers	citations	11 h-index	16 g-index

19	19	19	2615
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	From monocots to dicots: the multifold aspect of cell wall expansion. Journal of Experimental Botany, 2021, 72, 1511-1513.	4.8	2
2	Protocol for multicolor three-dimensional dSTORM data analysis using MATLAB-based script package Grafeo. STAR Protocols, 2021, 2, 100808.	1.2	2
3	The role of pectin phase separation in plant cell wall assembly and growth. Cell Surface, 2021, 7, 100054.	3.0	56
4	The hook shape of growing leaves results from an active regulatory process. Journal of Experimental Botany, 2020, 71, 6408-6417.	4.8	7
5	Multicolor 3D-dSTORM Reveals Native-State Ultrastructure of Polysaccharides' Network during Plant Cell Wall Assembly. IScience, 2020, 23, 101862.	4.1	12
6	Pectin homogalacturonan nanofilament expansion drives morphogenesis in plant epidermal cells. Science, 2020, 367, 1003-1007.	12.6	209
7	Multitarget Immunohistochemistry for Confocal and Super-resolution Imaging of Plant Cell Wall Polysaccharides. Bio-protocol, 2020, 10, e3783.	0.4	12
8	The FERONIA Receptor Kinase Maintains Cell-Wall Integrity during Salt Stress through Ca2+ Signaling. Current Biology, 2018, 28, 666-675.e5.	3.9	526
9	Cell Wall Expansion: Case Study of a Biomechanical Process. Plant Cell Monographs, 2018, , 139-154.	0.4	3
10	KymoRod: a method for automated kinematic analysis of rodâ€shaped plant organs. Plant Journal, 2016, 88, 468-475.	5.7	33
11	The Control of Growth Symmetry Breaking in the Arabidopsis Hypocotyl. Current Biology, 2015, 25, 1746-1752.	3.9	252
12	AFM-based Mapping of the Elastic Properties of Cell Walls: at Tissue, Cellular, and Subcellular Resolutions. Journal of Visualized Experiments, 2014, , .	0.3	35
13	Mechano-Chemical Aspects of Organ Formation in Arabidopsis thaliana: The Relationship between Auxin and Pectin. PLoS ONE, 2013, 8, e57813.	2.5	243
14	Mechanical Stress Acts via Katanin to Amplify Differences in Growth Rate between Adjacent Cells in Arabidopsis. Cell, 2012, 149, 439-451.	28.9	418
15	Pectin-Induced Changes in Cell Wall Mechanics Underlie Organ Initiation in Arabidopsis. Current Biology, 2011, 21, 1720-1726.	3.9	550
16	Arabidopsis Phyllotaxis Is Controlled by the Methyl-Esterification Status of Cell-Wall Pectins. Current Biology, 2008, 18, 1943-1948.	3.9	302