Yoselin Benitez-Alfonso

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2288526/publications.pdf

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35	2,159	331259	395343
papers	citations	21 h-index	33 g-index

41	41	41	2324
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	LYM2-dependent chitin perception limits molecular flux via plasmodesmata. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9166-9170.	3.3	248
2	Control of Arabidopsis meristem development by thioredoxin-dependent regulation of intercellular transport. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3615-3620.	3.3	238
3	Arabidopsis Plasmodesmal Proteome. PLoS ONE, 2011, 6, e18880.	1.1	238
4	Symplastic Intercellular Connectivity Regulates Lateral Root Patterning. Developmental Cell, 2013, 26, 136-147.	3.1	216
5	Specific Membrane Lipid Composition Is Important for Plasmodesmata Function in Arabidopsis. Plant Cell, 2015, 27, 1228-1250.	3.1	173
6	Plasmodesmata: Gateways to Local and Systemic Virus Infection. Molecular Plant-Microbe Interactions, 2010, 23, 1403-1412.	1.4	155
7	Plasmodesmata â€“ membrane tunnels with attitude. Current Opinion in Plant Biology, 2011, 14, 683-690.	3.5	88
8	Emerging models on the regulation of intercellular transport by plasmodesmata-associated callose. Journal of Experimental Botany, 2018, 69, 105-115.	2.4	82
9	Sucrose Transporter ZmSut1 Expression and Localization Uncover New Insights into Sucrose Phloem Loading. Plant Physiology, 2016, 172, 1876-1898.	2.3	81
10	Symplastic communication in organ formation and tissue patterning. Current Opinion in Plant Biology, 2016, 29, 21-28.	3.5	68
11	Plasma Membrane-Associated Receptor-like Kinases Relocalize to Plasmodesmata in Response to Osmotic Stress. Plant Physiology, 2019, 181, 142-160.	2.3	57
12	Redox regulation of intercellular transport. Protoplasma, 2011, 248, 131-140.	1.0	50
13	Interactions between callose and cellulose revealed through the analysis of biopolymer mixtures. Nature Communications, 2018, 9, 4538.	5.8	47
14	Roles and regulation of plant cell walls surrounding plasmodesmata. Current Opinion in Plant Biology, 2014, 22, 93-100.	3.5	46
15	Callose-Regulated Symplastic Communication Coordinates Symbiotic Root Nodule Development. Current Biology, 2018, 28, 3562-3577.e6.	1.8	41
16	Redox homeostasis regulates plasmodesmal communication in Arabidopsis meristems. Plant Signaling and Behavior, 2009, 4, 655-659.	1.2	39
17	Molecular analysis of the interaction between Olea europaea and the biotrophic fungus Spilocaea oleagina. Molecular Plant Pathology, 2005, 6, 425-438.	2.0	34
18	A phylogenetic approach to study the origin and evolution of plasmodesmata-localized glycosyl hydrolases family 17. Frontiers in Plant Science, 2014, 5, 212.	1.7	33

#	Article	IF	Citations
19	Symplastic intercellular transport from a developmental perspective. Journal of Experimental Botany, 2014, 65, 1857-1863.	2.4	30
20	Callose deposition and symplastic connectivity are regulated prior to lateral root emergence. Communicative and Integrative Biology, 2013, 6, e26531.	0.6	29
21	From plasmodesma geometry to effective symplasmic permeability through biophysical modelling. ELife, 2019, 8, .	2.8	25
22	Genetic variation in CaTIFY4b contributes to drought adaptation in chickpea. Plant Biotechnology Journal, 2022, 20, 1701-1715.	4.1	23
23	Plasmodesmata â€œin Communicadoâ€• Frontiers in Plant Science, 2012, 3, 30.	1.7	19
24	Cell Wall Polymer Composition and Spatial Distribution in Ripe Banana and Mango Fruit: Implications for Cell Adhesion and Texture Perception. Frontiers in Plant Science, 2019, 10, 858.	1.7	18
25	Plasmodesmata and their role in the regulation of phloem unloading during fruit development. Current Opinion in Plant Biology, 2021, 64, 102145.	3.5	10
26	Immunofluorescence Detection of Callose Deposition Around Plasmodesmata Sites. Methods in Molecular Biology, 2015, 1217, 95-104.	0.4	9
27	A comparative meta-proteomic pipeline for the identification of plasmodesmata proteins and regulatory conditions in diverse plant species. BMC Biology, 2022, 20, .	1.7	9
28	The Role of Abscisic Acid in the Regulation of Plasmodesmata and Symplastic Intercellular Transport. Plant and Cell Physiology, 2019, 60, 713-714.	1.5	6
29	Plasmodesmata Structural Components and Their Role in Signaling and Plant Development. Methods in Molecular Biology, 2022, 2457, 3-22.	0.4	4
30	Tightening the pores to unload the phloem. Nature Plants, 2019, 5, 561-562.	4.7	3
31	George Washington Carver: A plant scientistâ€™s perspective. Current Biology, 2022, 32, R9-R13.	1.8	2
32	Immunofluorescence Detection of Callose in Plant Tissue Sections. Methods in Molecular Biology, 2022, 2457, 167-176.	0.4	2
33	Regulation of KNOTTED1 cell-to-cell trafficking by a chaperonin protein. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 153, S211.	0.8	0
34	How to build an effective research network: lessons from two decades of the GARNet plant science community. Journal of Experimental Botany, 2020, 71, 6881-6889.	2.4	0
35	Callose-Regulated Symplastic Communication Coordinates Symbiotic Root Nodule Development. SSRN Electronic Journal, 0, , .	0.4	0