

Maria Teresa Portes

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

961
citations

759233

12
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

1228
citing authors

#	ARTICLE	IF	CITATIONS
1	Glutamate Receptor-Like Genes Form Ca ²⁺ Channels in Pollen Tubes and Are Regulated by Pistil-Derived Serine. <i>Science</i> , 2011, 332, 434-437.	12.6	372
2	Pollen Tube Growth Regulation by Free Anions Depends on the Interaction between the Anion Channel SLAH3 and Calcium-Dependent Protein Kinases CPK2 and CPK20. <i>Plant Cell</i> , 2013, 25, 4525-4543.	6.6	129
3	CORNICHON sorting and regulation of GLR channels underlie pollen tube Ca ²⁺ homeostasis. <i>Science</i> , 2018, 360, 533-536.	12.6	117
4	Plasma membrane H ⁺ -ATPases sustain pollen tube growth and fertilization. <i>Nature Communications</i> , 2020, 11, 2395.	12.8	80
5	Oscillatory signatures underlie growth regimes in Arabidopsis pollen tubes: computational methods to estimate tip location, periodicity, and synchronization in growing cells. <i>Journal of Experimental Botany</i> , 2017, 68, 3267-3281.	4.8	48
6	Structure of the Arabidopsis thaliana glutamate receptor-like channel GLR3.4. <i>Molecular Cell</i> , 2021, 81, 3216-3226.e8.	9.7	39
7	Spatial distribution of fructans and fructan metabolizing enzymes in rhizophores of <i>Vernonia herbagea</i> (Vell.) Rusby (Asteraceae) in different developmental phases. <i>Plant Science</i> , 2006, 170, 624-633.	3.6	32
8	Evidence of higher photosynthetic plasticity in the early successional <i>Guazuma ulmifolia</i> Lam. compared to the late successional <i>Hymenaea courbaril</i> L. grown in contrasting light environments. <i>Brazilian Journal of Biology</i> , 2010, 70, 75-83.	0.9	27
9	Molecular and electrophysiological characterization of anion transport in <i>Arabidopsis thaliana</i> pollen reveals regulatory roles for pH, Ca ²⁺ and GABA. <i>New Phytologist</i> , 2019, 223, 1353-1371.	7.3	24
10	Low temperature and defoliation affect fructan-metabolizing enzymes in different regions of the rhizophores of <i>Vernonia herbagea</i> . <i>Journal of Plant Physiology</i> , 2008, 165, 1572-1581.	3.5	22
11	The <i>Arabidopsis</i> Diacylglycerol Kinase 4 is involved in nitric oxide-dependent pollen tube guidance and fertilization. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	19
12	Water deficit affects photosynthetic induction in <i>Bauhinia forficata</i> Link (Fabaceae) and <i>Esenbeckia leiocarpa</i> Engl. (Rutaceae) growing in understorey and gap conditions. <i>Brazilian Journal of Plant Physiology</i> , 2006, 18, 491-502.	0.5	15
13	Electrifying rhythms in plant cells. <i>Current Opinion in Cell Biology</i> , 2022, 77, 102113.	5.4	11
14	Time-course of photosynthetic induction in four tropical woody species grown in contrasting irradiance habitats. <i>Photosynthetica</i> , 2008, 46, 431-440.	1.7	10
15	The Pollen Tube Oscillator: Integrating Biophysics and Biochemistry into Cellular Growth and Morphogenesis. , 2015, , 121-156.		9
16	One Thousand and One Oscillators at the Pollen Tube Tip: The Quest for a Central Pacemaker Revisited. , 2017, , 391-413.		4
17	Analyzing Intracellular Gradients in Pollen Tubes. <i>Methods in Molecular Biology</i> , 2020, 2160, 201-210.	0.9	3
18	Measuring Extracellular Proton and Anionic Fluxes in Arabidopsis Pollen Tubes. <i>Bio-protocol</i> , 2021, 11, e3908.	0.4	0

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19	Spatiotemporal Quantification of Cytosolic pH in Arabidopsis Pollen Tubes. Bio-protocol, 2021, 11, e4084.	0.4	0