

# VÃ©ronique Santoni

## List of Publications by Year in descending order

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27  
papers

3,654  
citations

394421

19  
h-index

526287

27  
g-index

30  
all docs

30  
docs citations

30  
times ranked

3924  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant Aquaporins: Membrane Channels with Multiple Integrated Functions. <i>Annual Review of Plant Biology</i> , 2008, 59, 595-624.	18.7	1,071
2	Aquaporins in Plants. <i>Physiological Reviews</i> , 2015, 95, 1321-1358.	28.8	658
3	Role of a Single Aquaporin Isoform in Root Water Uptake. <i>Plant Cell</i> , 2003, 15, 509-522.	6.6	331
4	Multiple Phosphorylations in the C-terminal Tail of Plant Plasma Membrane Aquaporins. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 1019-1030.	3.8	210
5	The water permeability of Arabidopsis plasma membrane is regulated by divalent cations and pH. <i>Plant Journal</i> , 2002, 30, 71-81.	5.7	209
6	Regulation of <i>Arabidopsis</i> Leaf Hydraulics Involves Light-Dependent Phosphorylation of Aquaporins in Veins. <i>Plant Cell</i> , 2013, 25, 1029-1039.	6.6	158
7	Regulation of Root Nitrate Uptake at the NRT2.1 Protein Level in <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 23541-23552.	3.4	145
8	A proteomic study reveals novel insights into the diversity of aquaporin forms expressed in the plasma membrane of plant roots. <i>Biochemical Journal</i> , 2003, 373, 289-296.	3.7	128
9	The Transcription Factor bHLH121 Interacts with bHLH105 (ILR3) and Its Closest Homologs to Regulate Iron Homeostasis in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2020, 32, 508-524.	6.6	111
10	Novel Aquaporin Regulatory Mechanisms Revealed by Interactomics. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3473-3487.	3.8	80
11	Methylation of aquaporins in plant plasma membrane. <i>Biochemical Journal</i> , 2006, 400, 189-197.	3.7	76
12	Coordinated Post-translational Responses of Aquaporins to Abiotic and Nutritional Stimuli in <i>Arabidopsis</i> Roots. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3886-3897.	3.8	73
13	Surveillance of cell wall diffusion barrier integrity modulates water and solute transport in plants. <i>Scientific Reports</i> , 2019, 9, 4227.	3.3	60
14	The response of <i>Arabidopsis</i> root water transport to a challenging environment implicates reactive oxygen species- and phosphorylation-dependent internalization of aquaporins. <i>Plant Signaling and Behavior</i> , 2008, 3, 1096-1098.	2.4	53
15	Oscillating Aquaporin Phosphorylation and 14-3-3 Proteins Mediate the Circadian Regulation of Leaf Hydraulics. <i>Plant Cell</i> , 2019, 31, 417-429.	6.6	47
16	The calcium-dependent protein kinase CPK7 acts on root hydraulic conductivity. <i>Plant, Cell and Environment</i> , 2015, 38, 1312-1320.	5.7	34
17	NRT2.1 C-terminus phosphorylation prevents root high affinity nitrate uptake activity in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2020, 228, 1038-1054.	7.3	34
18	Phosphorylation dynamics of membrane proteins from <i>Arabidopsis</i> roots submitted to salt stress. <i>Proteomics</i> , 2014, 14, 1058-1070.	2.2	32

#	ARTICLE	IF	CITATIONS
19	Identification of client iron-sulfur proteins of the chloroplastic NFU2 transfer protein in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 4171-4187.	4.8	25
20	Targeted Proteomics Allows Quantification of Ethylene Receptors and Reveals SIETR3 Accumulation in Never-Ripe Tomatoes. <i>Frontiers in Plant Science</i> , 2019, 10, 1054.	3.6	22
21	The plastidial <i>Arabidopsis thaliana</i> NFU1 protein binds and delivers [4Fe-4S] clusters to specific client proteins. <i>Journal of Biological Chemistry</i> , 2020, 295, 1727-1742.	3.4	20
22	Regulation of a plant aquaporin by a Casparian strip membrane domain protein-like. <i>Plant, Cell and Environment</i> , 2019, 42, 1788-1801.	5.7	18
23	Hormonal and environmental signaling pathways target membrane water transport. <i>Plant Physiology</i> , 2021, 187, 2056-2070.	4.8	18
24	Plant Aquaporin Posttranslational Regulation. <i>Signaling and Communication in Plants</i> , 2017, , 83-105.	0.7	17
25	Protein lysine methylation contributes to modulating the response of sensitive and tolerant <i>Arabidopsis</i> species to cadmium stress. <i>Plant, Cell and Environment</i> , 2020, 43, 760-774.	5.7	6
26	A Global Proteomic Approach Sheds New Light on Potential Iron-Sulfur Client Proteins of the Chloroplastic Maturation Factor NFU3. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8121.	4.1	5
27	Editorial for Special Issue: 2017 Plant Proteomics. <i>Proteomes</i> , 2018, 6, 28.	3.5	4