

VÃ©ronique Santoni

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

3,654
citations

393982

19
h-index

525886

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. | 8.6 | 1,071 |
| 2 | Aquaporins in Plants. <i>Physiological Reviews</i> , 2015, 95, 1321-1358. | 13.1 | 658 |
| 3 | Role of a Single Aquaporin Isoform in Root Water Uptake. <i>Plant Cell</i> , 2003, 15, 509-522. | 3.1 | 331 |
| 4 | Multiple Phosphorylations in the C-terminal Tail of Plant Plasma Membrane Aquaporins. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 1019-1030. | 2.5 | 210 |
| 5 | The water permeability of Arabidopsis plasma membrane is regulated by divalent cations and pH. <i>Plant Journal</i> , 2002, 30, 71-81. | 2.8 | 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. | 3.1 | 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. | 1.6 | 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. | 1.7 | 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. | 3.1 | 111 |
| 10 | Novel Aquaporin Regulatory Mechanisms Revealed by Interactomics. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3473-3487. | 2.5 | 80 |
| 11 | Methylation of aquaporins in plant plasma membrane. <i>Biochemical Journal</i> , 2006, 400, 189-197. | 1.7 | 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. | 2.5 | 73 |
| 13 | Surveillance of cell wall diffusion barrier integrity modulates water and solute transport in plants. <i>Scientific Reports</i> , 2019, 9, 4227. | 1.6 | 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. | 1.2 | 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. | 3.1 | 47 |
| 16 | The calcium-dependent protein kinase CPK7 acts on root hydraulic conductivity. <i>Plant, Cell and Environment</i> , 2015, 38, 1312-1320. | 2.8 | 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. | 3.5 | 34 |
| 18 | Phosphorylation dynamics of membrane proteins from <i>Arabidopsis</i> roots submitted to salt stress. <i>Proteomics</i> , 2014, 14, 1058-1070. | 1.3 | 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. | 2.4 | 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. | 1.7 | 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. | 1.6 | 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. | 2.8 | 18 |
| 23 | Hormonal and environmental signaling pathways target membrane water transport. <i>Plant Physiology</i> , 2021, 187, 2056-2070. | 2.3 | 18 |
| 24 | Plant Aquaporin Posttranslational Regulation. <i>Signaling and Communication in Plants</i> , 2017, , 83-105. | 0.5 | 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. | 2.8 | 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. | 1.8 | 5 |
| 27 | Editorial for Special Issue: 2017 Plant Proteomics. <i>Proteomes</i> , 2018, 6, 28. | 1.7 | 4 |