

# Yongqing Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

4,767  
citations

361413  
20  
h-index

501196  
28  
g-index

32  
all docs

32  
docs citations

32  
times ranked

4048  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                                                          | IF   | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Elucidating the molecular mechanisms mediating plant salt stress responses. <i>New Phytologist</i> , 2018, 217, 523-539.                                                                                                                                                                         | 7.3  | 894       |
| 2  | Plant abiotic stress response and nutrient use efficiency. <i>Science China Life Sciences</i> , 2020, 63, 635-674.                                                                                                                                                                               | 4.9  | 689       |
| 3  | Unraveling salt stress signaling in plants. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 796-804.                                                                                                                                                                                     | 8.5  | 658       |
| 4  | SCABP8/CBL10, a Putative Calcium Sensor, Interacts with the Protein Kinase SOS2 to Protect <i>Arabidopsis</i> Shoots from Salt Stress. <i>Plant Cell</i> , 2007, 19, 1415-1431.                                                                                                                  | 6.6  | 492       |
| 5  | Protein kinases in plant responses to drought, salt, and cold stress. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 53-78.                                                                                                                                                             | 8.5  | 273       |
| 6  | Phosphorylation of SOS3-LIKE CALCIUM BINDING PROTEIN8 by SOS2 Protein Kinase Stabilizes Their Protein Complex and Regulates Salt Tolerance in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009, 21, 1607-1619.                                                                                      | 6.6  | 228       |
| 7  | The <i>Arabidopsis</i> Chaperone J3 Regulates the Plasma Membrane H <sup>+</sup> -ATPase through Interaction with the PKS5 Kinase. <i>Plant Cell</i> , 2010, 22, 1313-1332.                                                                                                                      | 6.6  | 200       |
| 8  | Inhibition of the <i>Arabidopsis</i> Salt Overly Sensitive Pathway by 14-3-3 Proteins. <i>Plant Cell</i> , 2014, 26, 1166-1182.                                                                                                                                                                  | 6.6  | 193       |
| 9  | Calcium-activated 14-3-3 proteins as a molecular switch in salt stress tolerance. <i>Nature Communications</i> , 2019, 10, 1199.                                                                                                                                                                 | 12.8 | 156       |
| 10 | A Chaperone Function of NO CATALASE ACTIVITY1 Is Required to Maintain Catalase Activity and for Multiple Stress Responses in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2015, 27, 908-925.                                                                                                         | 6.6  | 139       |
| 11 | The SOS2-SCaBP8 Complex Generates and Fine-Tunes an AtANN4-Dependent Calcium Signature under Salt Stress. <i>Developmental Cell</i> , 2019, 48, 697-709.e5.                                                                                                                                      | 7.0  | 133       |
| 12 | SOS2-LIKE PROTEIN KINASE5, an SNF1-RELATED PROTEIN KINASE3-Type Protein Kinase, Is Important for Abscisic Acid Responses in <i>Arabidopsis</i> through Phosphorylation of ABSCISIC ACID-INSENSITIVE5. <i>Plant Physiology</i> , 2015, 168, 659-676.                                              | 4.8  | 111       |
| 13 | The Ca <sup>2+</sup> Sensor SCaBP3/CBL7 Modulates Plasma Membrane H <sup>+</sup> -ATPase Activity and Promotes Alkali Tolerance in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2019, 31, 1367-1384.                                                                                                 | 6.6  | 106       |
| 14 | An <i>Arabidopsis</i> Plasma Membrane Proton ATPase Modulates JA Signaling and Is Exploited by the <i>Pseudomonas syringae</i> Effector Protein AvrB for Stomatal Invasion. <i>Plant Cell</i> , 2015, 27, 2032-2041.                                                                             | 6.6  | 95        |
| 15 | The GSK3-like Kinase BIN2 Is a Molecular Switch between the Salt Stress Response and Growth Recovery in <i>Arabidopsis thaliana</i> . <i>Developmental Cell</i> , 2020, 55, 367-380.e6.                                                                                                          | 7.0  | 85        |
| 16 | Stability and localization of 14-3-3 proteins are involved in salt tolerance in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2016, 92, 391-400.                                                                                                                                         | 3.9  | 54        |
| 17 | VAMP711 Is Required for Abscisic Acid-Mediated Inhibition of Plasma Membrane H <sup>+</sup> -ATPase Activity. <i>Plant Physiology</i> , 2018, 178, 1332-1343.                                                                                                                                    | 4.8  | 47        |
| 18 | Dynamic changes of phosphatidylinositol and phosphatidylinositol 4-phosphate levels modulate H <sup>+</sup> -ATPase and Na <sup>+</sup> /H <sup>+</sup> antiporter activities to maintain ion homeostasis in <i>Arabidopsis</i> under salt stress. <i>Molecular Plant</i> , 2021, 14, 2000-2014. | 8.3  | 33        |

| #  | ARTICLE                                                                                                                                                                                                                  | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | A bioassay-guided fractionation system to identify endogenous small molecules that activate plasma membrane H <sup>+</sup> -ATPase activity in Arabidopsis. <i>Journal of Experimental Botany</i> , 2017, 68, 2951-2962. | 4.8 | 32        |
| 20 | The molecular mechanism of plasma membrane H <sup>+</sup> -ATPases in plant responses to abiotic stress. <i>Journal of Genetics and Genomics</i> , 2022, 49, 715-725.                                                    | 3.9 | 30        |
| 21 | Molecular Mechanisms of Plant Responses to Salt Stress. <i>Frontiers in Plant Science</i> , 0, 13, .                                                                                                                     | 3.6 | 26        |
| 22 | DNA methylation signature of intergenic region involves in nucleosome remodeler DDM1-mediated repression of aberrant gene transcriptional read-through. <i>Journal of Genetics and Genomics</i> , 2016, 43, 513-523.     | 3.9 | 16        |
| 23 | Activation of ROP6 GTPase by Phosphatidylglycerol in Arabidopsis. <i>Frontiers in Plant Science</i> , 2018, 9, 347.                                                                                                      | 3.6 | 14        |
| 24 | An improved protein lipid overlay assay for studying lipid-protein interactions. <i>Plant Methods</i> , 2020, 16, 33.                                                                                                    | 4.3 | 12        |
| 25 | Phospholipids in Salt Stress Response. <i>Plants</i> , 2021, 10, 2204.                                                                                                                                                   | 3.5 | 12        |
| 26 | Molecular characterization of an AtPYL1-like protein, BrPYL1, as a putative ABA receptor in Brassica rapa. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 684-689.                              | 2.1 | 10        |
| 27 | Regulation of plasma membrane H <sup>+</sup> -ATPase activity by the members of the V-SNARE VAMP7C family in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2019, 14, e1573097.                     | 2.4 | 10        |
| 28 | Phosphatidylinositol 3-phosphate regulates SCAB1-mediated F-actin reorganization during stomatal closure in Arabidopsis. <i>Plant Cell</i> , 2022, 34, 477-494.                                                          | 6.6 | 10        |
| 29 | Testing the polar auxin transport model with a selective plasma membrane H <sup>+</sup> -ATPase inhibitor. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 1229-1245.                                            | 8.5 | 7         |
| 30 | SCaBP3/CBL7 negatively regulates the plasma membrane H <sup>+</sup> -ATPase and modulates hypocotyl elongation in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2022, 17, .                                 | 2.4 | 1         |
| 31 | Phosphatidic acid inhibits SCAB1-mediated F-actin bundling in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2023, 18, .                                                                                     | 2.4 | 1         |
| 32 | Quantitative Proteomics Reveals SOS2-related Proteins in Arabidopsis under Salt Stress. <i>Current Proteomics</i> , 2021, 18, .                                                                                          | 0.3 | 0         |