

Yin Wang

List of Publications by Year in descending order

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17
papers

653
citations

933447

10
h-index

888059

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all docs

17
docs citations

17
times ranked

863
citing authors

#	ARTICLE	IF	CITATIONS
1	Overexpression of plasma membrane H ⁺ -ATPase in guard cells promotes light-induced stomatal opening and enhances plant growth. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 533-538.	7.1	179
2	Plasma membrane H ⁺ -ATPase overexpression increases rice yield via simultaneous enhancement of nutrient uptake and photosynthesis. Nature Communications, 2021, 12, 735.	12.8	97
3	<i>TWIN SISTER OF FT</i> , <i>GIGANTEA</i> , and <i>CONSTANS</i> Have a Positive But Indirect Effect on Blue Light-Induced Stomatal Opening in Arabidopsis. Plant Physiology, 2013, 162, 1529-1538.	4.8	71
4	Distinct light responses of the adaxial and abaxial stomata in intact leaves of <i>Helianthus annuus</i> L. Plant, Cell and Environment, 2008, 31, 1307-1316.	5.7	60
5	Improvement of Arabidopsis Biomass and Cold, Drought and Salinity Stress Tolerance by Modified Circadian Clock-Associated PSEUDO-RESPONSE REGULATORS. Plant and Cell Physiology, 2016, 57, 1085-1097.	3.1	60
6	Photosynthesis-Dependent and -Independent Responses of Stomata to Blue, Red and Green Monochromatic Light: Differences Between the Normally Oriented and Inverted Leaves of Sunflower. Plant and Cell Physiology, 2011, 52, 479-489.	3.1	52
7	<i>Oryza sativa</i> H ⁺ -ATPase (OSA) is Involved in the Regulation of Dumbbell-Shaped Guard Cells of Rice. Plant and Cell Physiology, 2016, 57, 1220-1230.	3.1	37
8	Coordination Between Photosynthesis and Stomatal Behavior. Advances in Photosynthesis and Respiration, 2018, , 141-161.	1.0	22
9	A Salt-Signaling Network Involving Ethylene, Extracellular ATP, Hydrogen Peroxide, and Calcium Mediates K ⁺ /Na ⁺ Homeostasis in Arabidopsis. International Journal of Molecular Sciences, 2020, 21, 8683.	4.1	17
10	Regulation of stomatal opening and histone modification by photoperiod in Arabidopsis thaliana. Scientific Reports, 2019, 9, 10054.	3.3	16
11	Multiple Roles of the Plasma Membrane H ⁺ -ATPase and Its Regulation. The Enzymes, 2014, 35, 191-211.	1.7	9
12	Inventory-based estimation of aboveground net primary production in Japan's forests from 1980 to 2005. Biogeosciences, 2011, 8, 2099-2106.	3.3	8
13	Overexpression of Plasma Membrane H ⁺ -ATPase in Guard Cells Enhances Light-Induced Stomatal Opening, Photosynthesis, and Plant Growth in Hybrid Aspen. Frontiers in Plant Science, 2021, 12, 766037.	3.6	8
14	Sulfur Compounds in Regulation of Stomatal Movement. Frontiers in Plant Science, 2022, 13, 846518.	3.6	5
15	Transgenerational effects of elevated CO ₂ on rice photosynthesis and grain yield. Plant Molecular Biology, 2022, 110, 413-424.	3.9	5
16	Measurement of Stomatal Conductance in Rice. Bio-protocol, 2017, 7, e2226.	0.4	4
17	Promotion and Upregulation of a Plasma Membrane Proton-ATPase Strategy: Principles and Applications. Frontiers in Plant Science, 2021, 12, 749337.	3.6	3