

Stephan Wagner

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,903
citations

394421

19
h-index

677142

22
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all docs

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docs citations

29
times ranked

2453
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Basis for Signaling by Exclusive EDS1 Heteromeric Complexes with SAC101 or PAD4 in Plant Innate Immunity. <i>Cell Host and Microbe</i> , 2013, 14, 619-630.	11.0	227
2	Different roles of Enhanced Disease Susceptibility1 (EDS1) bound to and dissociated from Phytoalexin Deficient4 (PAD4) in Arabidopsis immunity. <i>New Phytologist</i> , 2011, 191, 107-119.	7.3	206
3	The mitochondrial complexome of <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2017, 89, 1079-1092.	5.7	192
4	The fluorescent protein sensor roGFP2-Orp1 monitors <i>in vivo</i> H ₂ O ₂ and thiol redox integration and elucidates intracellular H ₂ O ₂ dynamics during elicitor-induced oxidative burst in Arabidopsis. <i>New Phytologist</i> , 2019, 221, 1649-1664.	7.3	132
5	ATP sensing in living plant cells reveals tissue gradients and stress dynamics of energy physiology. <i>ELife</i> , 2017, 6, .	6.0	125
6	The "mitoflash"™ probe cpYFP does not respond to superoxide. <i>Nature</i> , 2014, 514, E12-E14.	27.8	109
7	The EF-Hand Ca ²⁺ Binding Protein MICU Choreographs Mitochondrial Ca ²⁺ Dynamics in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 3190-3212.	6.6	103
8	Redox-mediated kick-start of mitochondrial energy metabolism drives resource-efficient seed germination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 741-751.	7.1	96
9	The mitochondrial monothiol glutaredoxin S15 is essential for iron-sulfur protein maturation in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13735-13740.	7.1	84
10	Mitochondrial Energy Signaling and Its Role in the Low-Oxygen Stress Response of Plants. <i>Plant Physiology</i> , 2018, 176, 1156-1170.	4.8	79
11	ATP compartmentation in plastids and cytosol of <i>Arabidopsis thaliana</i> revealed by fluorescent protein sensing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10778-E10787.	7.1	72
12	Chloroplast-Specific <i>in vivo</i> Ca ²⁺ Imaging Using Yellow Cameleon Fluorescent Protein Sensors Reveals Organelle-Autonomous Ca ²⁺ Signatures in the Stroma. <i>Plant Physiology</i> , 2016, 171, 2317-2330.	4.8	71
13	Glutathione peroxidase-like enzymes cover five distinct cell compartments and membrane surfaces in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2017, 40, 1281-1295.	5.7	69
14	Multiparametric real-time sensing of cytosolic physiology links hypoxia responses to mitochondrial electron transport. <i>New Phytologist</i> , 2019, 224, 1668-1684.	7.3	69
15	Regulation of mitochondrial calcium in plants versus animals. <i>Journal of Experimental Botany</i> , 2016, 67, 3809-3829.	4.8	55
16	Physiological Characterization of a Plant Mitochondrial Calcium Uniporter <i>in vitro</i> and <i>in vivo</i> . <i>Plant Physiology</i> , 2017, 173, 1355-1370.	4.8	54
17	D-Lactate dehydrogenase links methylglyoxal degradation and electron transport through cytochrome C. <i>Plant Physiology</i> , 2016, 172, pp.01174.2016.	4.8	42
18	<i>In vivo</i> NADH/NAD ⁺ Biosensing Reveals the Dynamics of Cytosolic Redox Metabolism in Plants. <i>Plant Cell</i> , 2020, 32, 3324-3345.	6.6	40

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19	Reductive stress triggers ANAC017-mediated retrograde signaling to safeguard the endoplasmic reticulum by boosting mitochondrial respiratory capacity. <i>Plant Cell</i> , 2022, 34, 1375-1395.	6.6	25
20	Analysis of Plant Mitochondrial Function Using Fluorescent Protein Sensors. <i>Methods in Molecular Biology</i> , 2015, 1305, 241-252.	0.9	23
21	The function of glutaredoxin GRXS15 is required for lipoyl-dependent dehydrogenases in mitochondria. <i>Plant Physiology</i> , 2021, 186, 1507-1525.	4.8	12
22	Crystallization and preliminary crystallographic analysis of <i>Arabidopsis thaliana</i> EDS1, a key component of plant immunity, in complex with its signalling partner SAG101. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 245-248.	0.7	4
23	Ion channels and regulators involved in mitochondrial calcium fluxes in plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, e18-e19.	1.0	0