

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
g-index

29
all docs

29
docs citations

29
times ranked

2453
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | The function of glutaredoxin GRXS15 is required for lipoyl-dependent dehydrogenases in mitochondria. <i>Plant Physiology</i> , 2021, 186, 1507-1525. | 4.8 | 12 |
| 3 | 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 |
| 4 | In Vivo NADH/NAD ⁺ Biosensing Reveals the Dynamics of Cytosolic Redox Metabolism in Plants. <i>Plant Cell</i> , 2020, 32, 3324-3345. | 6.6 | 40 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Physiological Characterization of a Plant Mitochondrial Calcium Uniporter in Vitro and in Vivo. <i>Plant Physiology</i> , 2017, 173, 1355-1370. | 4.8 | 54 |
| 11 | The mitochondrial complexome of <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2017, 89, 1079-1092. | 5.7 | 192 |
| 12 | ATP sensing in living plant cells reveals tissue gradients and stress dynamics of energy physiology. <i>ELife</i> , 2017, 6, . | 6.0 | 125 |
| 13 | 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 |
| 14 | D-Lactate dehydrogenase links methylglyoxal degradation and electron transport through cytochrome C. <i>Plant Physiology</i> , 2016, 172, pp.01174.2016. | 4.8 | 42 |
| 15 | Chloroplast-Specific in Vivo 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 |
| 16 | Regulation of mitochondrial calcium in plants versus animals. <i>Journal of Experimental Botany</i> , 2016, 67, 3809-3829. | 4.8 | 55 |
| 17 | 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 |
| 18 | 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 |

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|----|--|------|-----------|
| 19 | Analysis of Plant Mitochondrial Function Using Fluorescent Protein Sensors. <i>Methods in Molecular Biology</i> , 2015, 1305, 241-252. | 0.9 | 23 |
| 20 | The "mitoflash"™ probe cpYFP does not respond to superoxide. <i>Nature</i> , 2014, 514, E12-E14. | 27.8 | 109 |
| 21 | Structural Basis for Signaling by Exclusive EDS1 Heteromeric Complexes with SAG101 or PAD4 in Plant Innate Immunity. <i>Cell Host and Microbe</i> , 2013, 14, 619-630. | 11.0 | 227 |
| 22 | Different roles of Enhanced Disease Susceptibility1 (EDS1) bound to and dissociated from Phytoalexin Deficient4 (PAD4) in <i>Arabidopsis</i> immunity. <i>New Phytologist</i> , 2011, 191, 107-119. | 7.3 | 206 |
| 23 | 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 |