

Ian S Wallace

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

857
citations

840585

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752573

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24
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docs citations

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times ranked

1420
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellulose synthesis complexes are homo-oligomeric and hetero-oligomeric in <i>Physcomitrium patens</i> . <i>Plant Physiology</i> , 2022, 188, 2115-2130.	2.3	6
2	Signaling at Physical Barriers during Pollen-Pistil Interactions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12230.	1.8	10
3	Associations between phytohormones and cellulose biosynthesis in land plants. <i>Annals of Botany</i> , 2020, 126, 807-824.	1.4	16
4	Internally Controlled Methods to Quantify Pollen Tube Growth and Penetration Defects in <i>Arabidopsis thaliana</i> . <i>Methods in Molecular Biology</i> , 2020, 2160, 129-147.	0.4	0
5	Host plant-dependent effects of microbes and phytochemistry on the insect immune response. <i>Oecologia</i> , 2019, 191, 141-152.	0.9	21
6	Functional analysis tools for post-translational modification: a post-translational modification database for analysis of proteins and metabolic pathways. <i>Plant Journal</i> , 2019, 99, 1003-1013.	2.8	55
7	Convergent evolution of hetero-oligomeric cellulose synthesis complexes in mosses and seed plants. <i>Plant Journal</i> , 2019, 99, 862-876.	2.8	9
8	Interspecies Bombolitin Exhibits Structural Diversity upon Membrane Binding, Leading to Cell Specificity. <i>Biophysical Journal</i> , 2019, 116, 1064-1074.	0.2	3
9	A Putative Protein <i>O</i> -Fucosyltransferase Facilitates Pollen Tube Penetration through the Stigma-Style Interface. <i>Plant Physiology</i> , 2018, 176, 2804-2818.	2.3	25
10	Deconstruction of a plant-arthropod community reveals influential plant traits with nonlinear effects on arthropod assemblages. <i>Functional Ecology</i> , 2018, 32, 1317-1328.	1.7	22
11	Phosphoregulation of the Plant Cellulose Synthase Complex and Cellulose Synthase-Like Proteins. <i>Plants</i> , 2018, 7, 52.	1.6	67
12	A potential role for protein O-fucosylation during pollen-pistil interactions. <i>Plant Signaling and Behavior</i> , 2018, 13, e1467687.	1.2	12
13	Shedding Light on Chemically Mediated Tri-Trophic Interactions: A 1H-NMR Network Approach to Identify Compound Structural Features and Associated Biological Activity. <i>Frontiers in Plant Science</i> , 2018, 9, 1155.	1.7	12
14	The Cellulose Synthases Are Cargo of the TPLATE Adaptor Complex. <i>Molecular Plant</i> , 2018, 11, 346-349.	3.9	51
15	Orchestrating rapid long-distance signaling in plants with Ca ²⁺ , ROS and electrical signals. <i>Plant Journal</i> , 2017, 90, 698-707.	2.8	250
16	BRASSINOSTEROID INSENSITIVE2 negatively regulates cellulose synthesis in <i>Arabidopsis</i> by phosphorylating cellulose synthase 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3533-3538.	3.3	89
17	Selective Excitation of Cyanophenylalanine Fluorophores for Multi-Site Binding Studies. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9566-9571.	1.2	2
18	The Emerging Role of Protein Phosphorylation as a Critical Regulatory Mechanism Controlling Cellulose Biosynthesis. <i>Frontiers in Plant Science</i> , 2016, 7, 684.	1.7	34

#	ARTICLE	IF	CITATIONS
19	2-Fluoro-L-Fucose Is a Metabolically Incorporated Inhibitor of Plant Cell Wall Polysaccharide Fucosylation. PLoS ONE, 2015, 10, e0139091.	1.1	17
20	Acetobixan, an Inhibitor of Cellulose Synthesis Identified by Microbial Bioprospecting. PLoS ONE, 2014, 9, e95245.	1.1	12
21	Metabolic click-labeling with a fucose analog reveals pectin delivery, architecture, and dynamics in <i>Arabidopsis</i> cell walls. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1329-1334.	3.3	141