

Ian S Wallace

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

857
citations

840776

11
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

1420
citing authors

#	ARTICLE	IF	CITATIONS
1	Orchestrating rapid long-distance signaling in plants with Ca ²⁺ , ROS and electrical signals. <i>Plant Journal</i> , 2017, 90, 698-707.	5.7	250
2	Metabolic click-labeling with a fucose analog reveals pectin delivery, architecture, and dynamics in <i>Arabidopsis</i> cell walls. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1329-1334.	7.1	141
3	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.	7.1	89
4	Phosphoregulation of the Plant Cellulose Synthase Complex and Cellulose Synthase-Like Proteins. <i>Plants</i> , 2018, 7, 52.	3.5	67
5	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.	5.7	55
6	The Cellulose Synthases Are Cargo of the TPLATE Adaptor Complex. <i>Molecular Plant</i> , 2018, 11, 346-349.	8.3	51
7	The Emerging Role of Protein Phosphorylation as a Critical Regulatory Mechanism Controlling Cellulose Biosynthesis. <i>Frontiers in Plant Science</i> , 2016, 7, 684.	3.6	34
8	A Putative Protein O-Fucosyltransferase Facilitates Pollen Tube Penetration through the Stigma-Style Interface. <i>Plant Physiology</i> , 2018, 176, 2804-2818.	4.8	25
9	Deconstruction of a plant-arthropod community reveals influential plant traits with nonlinear effects on arthropod assemblages. <i>Functional Ecology</i> , 2018, 32, 1317-1328.	3.6	22
10	Host plant-dependent effects of microbes and phytochemistry on the insect immune response. <i>Oecologia</i> , 2019, 191, 141-152.	2.0	21
11	2-Fluoro-L-Fucose Is a Metabolically Incorporated Inhibitor of Plant Cell Wall Polysaccharide Fucosylation. <i>PLoS ONE</i> , 2015, 10, e0139091.	2.5	17
12	Associations between phytohormones and cellulose biosynthesis in land plants. <i>Annals of Botany</i> , 2020, 126, 807-824.	2.9	16
13	Acetobixan, an Inhibitor of Cellulose Synthesis Identified by Microbial Bioprospecting. <i>PLoS ONE</i> , 2014, 9, e95245.	2.5	12
14	A potential role for protein O-fucosylation during pollen-pistil interactions. <i>Plant Signaling and Behavior</i> , 2018, 13, e1467687.	2.4	12
15	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.	3.6	12
16	Signaling at Physical Barriers during Pollen-Pistil Interactions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12230.	4.1	10
17	Convergent evolution of hetero-oligomeric cellulose synthesis complexes in mosses and seed plants. <i>Plant Journal</i> , 2019, 99, 862-876.	5.7	9
18	Cellulose synthesis complexes are homo-oligomeric and hetero-oligomeric in <i>Physcomitrium patens</i> . <i>Plant Physiology</i> , 2022, 188, 2115-2130.	4.8	6

#	ARTICLE	IF	CITATIONS
19	Interspecies Bombolitins Exhibit Structural Diversity upon Membrane Binding, Leading to Cell Specificity. <i>Biophysical Journal</i> , 2019, 116, 1064-1074.	0.5	3
20	Selective Excitation of Cyanophenylalanine Fluorophores for Multi-Site Binding Studies. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9566-9571.	2.6	2
21	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.	0.9	0