

Lawrence J Winship

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,312
citations

430874

18
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1532
citing authors

#	ARTICLE	IF	CITATIONS
1	Exocytosis Precedes and Predicts the Increase in Growth in Oscillating Pollen Tubes. <i>Plant Cell</i> , 2009, 21, 3026-3040.	6.6	137
2	Control of Cell Wall Extensibility during Pollen Tube Growth. <i>Molecular Plant</i> , 2013, 6, 998-1017.	8.3	134
3	Calcium at the Cell Wall–Cytoplasm Interface. <i>Journal of Integrative Plant Biology</i> , 2010, 52, 147-160.	8.5	130
4	Propidium Iodide Competes with Ca ²⁺ to Label Pectin in Pollen Tubes and Arabidopsis Root Hairs. <i>Plant Physiology</i> , 2011, 157, 175-187.	4.8	118
5	Under pressure, cell walls set the pace. <i>Trends in Plant Science</i> , 2010, 15, 363-369.	8.8	106
6	Calcium entry into pollen tubes. <i>Trends in Plant Science</i> , 2012, 17, 32-38.	8.8	101
7	The pollen tube clear zone: Clues to the mechanism of polarized growth. <i>Journal of Integrative Plant Biology</i> , 2015, 57, 79-92.	8.5	99
8	Tree rings reveal globally coherent signature of cosmogenic radiocarbon events in 774 and 993 CE. <i>Nature Communications</i> , 2018, 9, 3605.	12.8	98
9	The Apical Actin Fringe Contributes to Localized Cell Wall Deposition and Polarized Growth in the Lily Pollen Tube. <i>Plant Physiology</i> , 2014, 166, 139-151.	4.8	71
10	Pollen tubes and the physical world. <i>Trends in Plant Science</i> , 2011, 16, 353-355.	8.8	65
11	Pollen tube energetics: respiration, fermentation and the race to the ovule. <i>AoB PLANTS</i> , 2011, 2011, plr019.	2.3	54
12	Oscillatory Growth in Lily Pollen Tubes Does Not Require Aerobic Energy Metabolism. <i>Plant Physiology</i> , 2010, 152, 736-746.	4.8	37
13	Transient Responses of Nitrogenase to Acetylene and Oxygen in Actinorhizal Nodules and Cultured Frankia. <i>Plant Physiology</i> , 1990, 92, 480-486.	4.8	34
14	The role of diffusion in oxygen protection of nitrogenase in nodules of <i>Alnus rubra</i> . <i>Canadian Journal of Botany</i> , 1983, 61, 2930-2936.	1.1	30
15	Simultaneous imaging and functional studies reveal a tight correlation between calcium and actin networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2869-E2878.	7.1	23
16	Simultaneous Measurement of Acetylene Reduction and Respiratory Gas Exchange of Attached Root Nodules. <i>Plant Physiology</i> , 1982, 70, 361-365.	4.8	21
17	Hydrogen metabolism of Casuarina root nodules: A comparison of two inoculum sources. <i>Physiologia Plantarum</i> , 1987, 70, 367-372.	5.2	20
18	Perturbation Analysis of Calcium, Alkalinity and Secretion during Growth of Lily Pollen Tubes. <i>Plants</i> , 2017, 6, 3.	3.5	19

#	ARTICLE	IF	CITATIONS
19	Apical pollen tube wall curvature correlates with growth and indicates localized changes in the yielding of the cell wall. Protoplasma, 2021, 258, 1347-1358.	2.1	7