

# Erik Nielsen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8887552/publications.pdf>

Version: 2024-02-01

25  
papers

3,717  
citations

361413

20  
h-index

642732

23  
g-index

27  
all docs

27  
docs citations

27  
times ranked

3898  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of the Small GTPase Gene Superfamily of Arabidopsis. <i>Plant Physiology</i> , 2003, 131, 1191-1208.	4.8	570
2	Rabenosyn-5, a Novel Rab5 Effector, Is Complexed with Hvps45 and Recruited to Endosomes through a Fyve Finger Domain. <i>Journal of Cell Biology</i> , 2000, 151, 601-612.	5.2	338
3	A role for the RabA4b effector protein PI4KÎ²1 in polarized expansion of root hair cells in <i>Arabidopsis thaliana</i> . <i>Journal of Cell Biology</i> , 2006, 172, 991-998.	5.2	274
4	Electron Tomography of RabA4b and PI4KÎ²1 Labeled <i>Trans</i> Golgi Network Compartments in <i>Arabidopsis</i> . <i>Traffic</i> , 2011, 12, 313-329.	2.7	246
5	The Arabidopsis Rab GTPase RabA4b Localizes to the Tips of Growing Root Hair Cells[W]. <i>Plant Cell</i> , 2004, 16, 1589-1603.	6.6	233
6	Rho-GTPase dependent filamentous actin dynamics coordinate vesicle targeting and exocytosis during tip growth. <i>Journal of Cell Biology</i> , 2008, 181, 1155-1168.	5.2	211
7	The Arabidopsis AAA ATPase SKD1 Is Involved in Multivesicular Endosome Function and Interacts with Its Positive Regulator LYST-INTERACTING PROTEIN5. <i>Plant Cell</i> , 2007, 19, 1295-1312.	6.6	195
8	Green light for polyphosphoinositide signals in plants. <i>Current Opinion in Plant Biology</i> , 2011, 14, 489-497.	7.1	184
9	Root Hairs. <i>The Arabidopsis Book</i> , 2014, 12, e0172.	0.5	179
10	Actin-based motility of endosomes is linked to the polar tip growth of root hairs. <i>European Journal of Cell Biology</i> , 2005, 84, 609-621.	3.6	170
11	The Regulatory RAB and ARF GTPases for Vesicular Trafficking. <i>Plant Physiology</i> , 2008, 147, 1516-1526.	4.8	170
12	The Rab GTPase RabA4d Regulates Pollen Tube Tip Growth in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2009, 21, 526-544.	6.6	168
13	<i>ROOT HAIR DEFECTIVE4</i> Encodes a Phosphatidylinositol-4-Phosphate Phosphatase Required for Proper Root Hair Development in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2008, 20, 381-395.	6.6	149
14	Phosphoinositides in plants: novel functions in membrane trafficking. <i>Current Opinion in Plant Biology</i> , 2008, 11, 620-631.	7.1	126
15	A role for CSLD3 during cell-wall synthesis in apical plasma membranes of tip-growing root-hair cells. <i>Nature Cell Biology</i> , 2011, 13, 973-980.	10.3	121
16	Recruitment of PLANT U-BOX13 and the PI4KÎ²1/Î²2 Phosphatidylinositol-4 Kinases by the Small GTPase RabA4B Plays Important Roles during Salicylic Acid-Mediated Plant Defense Signaling in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 243-261.	6.6	112
17	Targeting and Regulation of Cell Wall Synthesis During Tip Growth in Plants. <i>Journal of Integrative Plant Biology</i> , 2013, 55, 835-846.	8.5	81
18	The Arabidopsis CSLD5 functions in cell plate formation in a cell cycle dependent manner. <i>Plant Cell</i> , 2016, 28, tpc.00203.2016.	6.6	54

#	ARTICLE	IF	CITATIONS
19	The Small GTPase Superfamily in Plants: A Conserved Regulatory Module with Novel Functions. Annual Review of Plant Biology, 2020, 71, 247-272.	18.7	51
20	Biochemical and Genetic Analysis Identify CSLD3 as a beta-1,4-Glucan Synthase That Functions during Plant Cell Wall Synthesis. Plant Cell, 2020, 32, 1749-1767.	6.6	49
21	A temperature-sensitive <i>FERONIA</i> mutant allele that alters root hair growth. Plant Physiology, 2021, 185, 405-423.	4.8	22
22	Phosphatidylinositol 4-Phosphate is Required for Tip Growth in Arabidopsis thaliana. Plant Cell Monographs, 2010, , 65-77.	0.4	9
23	Rab GTPases in Plant Endocytosis. , 0, , 177-195.		2
24	Plant exocytosis: Weaving distinct pathways to the plant plasma membrane. Molecular Plant, 2022, 15, 382-384.	8.3	2
25	Investigating lipid signalling: it's all about finding the right PI. Biochemical Journal, 2008, 413, e5-e6.	3.7	1