

# Krzysztof Wabnik

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

1,260  
citations

567281

15  
h-index

752698

20  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1752  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellular requirements for PIN polar cargo clustering in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2021, 229, 351-369.	7.3	22
2	An auxin-regulable oscillatory circuit drives the root clock in <i>Arabidopsis</i> . <i>Science Advances</i> , 2021, 7, .	10.3	46
3	Synchronization of gene expression across eukaryotic communities through chemical rhythms. <i>Nature Communications</i> , 2021, 12, 4017.	12.8	11
4	Modulation of plant root growth by nitrogen sourceâ€defined regulation of polar auxin transport. <i>EMBO Journal</i> , 2021, 40, e106862.	7.8	60
5	Shaping the Organ: A Biologist Guide to Quantitative Models of Plant Morphogenesis. <i>Frontiers in Plant Science</i> , 2021, 12, 746183.	3.6	7
6	A coupled mechano-biochemical model for cell polarity guided anisotropic root growth. <i>ELife</i> , 2021, 10, .	6.0	8
7	PIN-LIKES Coordinate Brassinosteroid Signaling with Nuclear Auxin Input in <i>Arabidopsis thaliana</i> . <i>Current Biology</i> , 2020, 30, 1579-1588.e6.	3.9	58
8	Cytokinin functions as an asymmetric and anti-gravitropic signal in lateral roots. <i>Nature Communications</i> , 2019, 10, 3540.	12.8	76
9	A Model of Differential Growth-Guided Apical Hook Formation in Plants. <i>Plant Cell</i> , 2016, 28, 2464-2477.	6.6	53
10	Cellular mechanisms for cargo delivery and polarity maintenance at different polar domains in plant cells. <i>Cell Discovery</i> , 2016, 2, 16018.	6.7	54
11	A coherent transcriptional feed-forward motif model for mediating auxin-sensitive PIN3 expression during lateral root development. <i>Nature Communications</i> , 2015, 6, 8821.	12.8	70
12	Cytokinin response factors regulate PIN-FORMED auxin transporters. <i>Nature Communications</i> , 2015, 6, 8717.	12.8	108
13	WOX5â€™IAA17 Feedback Circuit-Mediated Cellular Auxin Response Is Crucial for the Patterning of Root Stem Cell Niches in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2014, 7, 277-289.	8.3	125
14	Modeling Framework for the Establishment of the Apical-Basal Embryonic Axis in Plants. <i>Current Biology</i> , 2013, 23, 2513-2518.	3.9	84
15	Systems approaches to study root architecture dynamics. <i>Frontiers in Plant Science</i> , 2013, 4, 537.	3.6	16
16	Feedback models for polarized auxin transport: an emerging trend. <i>Molecular BioSystems</i> , 2011, 7, 2352.	2.9	42
17	Prototype cell-to-cell auxin transport mechanism by intracellular auxin compartmentalization. <i>Trends in Plant Science</i> , 2011, 16, 468-475.	8.8	45
18	Recycling, clustering, and endocytosis jointly maintain PIN auxin carrier polarity at the plasma membrane. <i>Molecular Systems Biology</i> , 2011, 7, 540.	7.2	232

#	ARTICLE	IF	CITATIONS
19	Emergence of tissue polarization from synergy of intracellular and extracellular auxin signaling. <i>Molecular Systems Biology</i> , 2010, 6, 447.	7.2	126
20	Gene expression trends and protein features effectively complement each other in gene function prediction. <i>Bioinformatics</i> , 2009, 25, 322-330.	4.1	5