

# Viola Willemsen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5468195/publications.pdf>

Version: 2024-02-01

19  
papers

5,454  
citations

687363

13  
h-index

839539

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

4331  
citing authors

#	ARTICLE	IF	CITATIONS
1	The PIN auxin efflux facilitator network controls growth and patterning in Arabidopsis roots. Nature, 2005, 433, 39-44.	27.8	1,789
2	The PLETHORA Genes Mediate Patterning of the Arabidopsis Root Stem Cell Niche. Cell, 2004, 119, 109-120.	28.9	1,022
3	PLETHORA proteins as dose-dependent master regulators of Arabidopsis root development. Nature, 2007, 449, 1053-1057.	27.8	743
4	Short-range control of cell differentiation in the Arabidopsis root meristem. Nature, 1997, 390, 287-289.	27.8	659
5	Cell fate in the Arabidopsis root meristem determined by directional signalling. Nature, 1995, 378, 62-65.	27.8	535
6	WOX5 Suppresses CYCLIN D Activity to Establish Quiescence at the Center of the Root Stem Cell Niche. Current Biology, 2014, 24, 1939-1944.	3.9	197
7	AINTEGUMENTA-LIKE proteins: hubs in a plethora of networks. Trends in Plant Science, 2014, 19, 146-157.	8.8	157
8	The PLETHORA Gene Regulatory Network Guides Growth and Cell Differentiation in Arabidopsis Roots. Plant Cell, 2016, 28, 2937-2951.	6.6	127
9	A Plausible Microtubule-Based Mechanism for Cell Division Orientation in Plant Embryogenesis. Current Biology, 2018, 28, 3031-3043.e2.	3.9	57
10	A reflux-and-growth mechanism explains oscillatory patterning of lateral root branching sites. Developmental Cell, 2021, 56, 2176-2191.e10.	7.0	35
11	Gradient Expression of Transcription Factor Imposes a Boundary on Organ Regeneration Potential in Plants. Cell Reports, 2019, 29, 453-463.e3.	6.4	33
12	Experimental and genetic analysis of root development in Arabidopsis thaliana. Plant and Soil, 1996, 187, 97-105.	3.7	31
13	Physcomitrium patens: A Single Model to Study Oriented Cell Divisions in 1D to 3D Patterning. International Journal of Molecular Sciences, 2021, 22, 2626.	4.1	18
14	Geometric cues forecast the switch from two- to three-dimensional growth in Physcomitrella patens. New Phytologist, 2020, 225, 1945-1955.	7.3	16
15	Plant growth-promoting rhizobacterium <i>Pseudomonas</i> sp. CM11 specifically induces lateral roots. New Phytologist, 2022, 235, 1575-1588.	7.3	14
16	<i>Cis</i> -regulatory PLETHORA promoter elements directing root and nodule expression are conserved between <i>Arabidopsis thaliana</i> and <i>Medicago truncatula</i> . Plant Signaling and Behavior, 2017, 12, e1278102.	2.4	6
17	Nature and Nurture: Genotype-Dependent Differential Responses of Root Architecture to Agar and Soil Environments. Genes, 2021, 12, 1028.	2.4	6
18	From Stained Plant Tissues to Quantitative Cell Segmentation Analysis with MorphoGraphX. Methods in Molecular Biology, 2020, 2122, 63-83.	0.9	6

#	ARTICLE	IF	CITATIONS
19	Mosses: Accessible Systems for Plant Development Studies. , 0, , .		1