

# Kirsten H W Ten Tusscher

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

926  
citations

840776

11  
h-index

752698

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1258  
citing authors

#	ARTICLE	IF	CITATIONS
1	Undirected Sucrose Efflux Mitigation by the FT-Like SP6A Preferentially Enhances Tuber Resource Partitioning. <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	3
2	Modelling the physiological relevance of sucrose export repression by an <scp>Flowering Time</scp> homolog in the long-distance phloem of potato. <i>Plant, Cell and Environment</i> , 2021, 44, 792-806.	5.7	10
3	Quantitative plant biology—Old and new. <i>Quantitative Plant Biology</i> , 2021, 2, .	2.0	1
4	What is quantitative plant biology?. <i>Quantitative Plant Biology</i> , 2021, 2, .	2.0	43
5	What remains of the evidence for auxin feedback on PIN polarity patterns?. <i>Plant Physiology</i> , 2021, 186, 804-807.	4.8	5
6	Bootstrapping and Pinning down the Root Meristem; the Auxin—PLT—ARR Network Unites Robustness and Sensitivity in Meristem Growth Control. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4731.	4.1	3
7	Modeling Auxin Signaling in Roots: Auxin Computations. <i>Cold Spring Harbor Perspectives in Biology</i> , 2021, , a040089.	5.5	8
8	A reflux-and-growth mechanism explains oscillatory patterning of lateral root branching sites. <i>Developmental Cell</i> , 2021, 56, 2176-2191.e10.	7.0	35
9	Of mice and plants: Comparative developmental systems biology. <i>Developmental Biology</i> , 2020, 460, 32-39.	2.0	7
10	Local auxin competition explains fragmented differentiation patterns. <i>Nature Communications</i> , 2020, 11, 2965.	12.8	19
11	A Self-Organized PLT/Auxin/ARR-B Network Controls the Dynamics of Root Zonation Development in <i>Arabidopsis thaliana</i> . <i>Developmental Cell</i> , 2020, 53, 431-443.e23.	7.0	58
12	Modeling of Root Nitrate Responses Suggests Preferential Foraging Arises From the Integration of Demand, Supply and Local Presence Signals. <i>Frontiers in Plant Science</i> , 2020, 11, 708.	3.6	18
13	In Silico Roots: Room for Growth. <i>Trends in Plant Science</i> , 2019, 24, 250-262.	8.8	15
14	The Systems Biology of Lateral Root Formation: Connecting the Dots. <i>Molecular Plant</i> , 2019, 12, 784-803.	8.3	56
15	Periodic Lateral Root Priming: What Makes It Tick?. <i>Plant Cell</i> , 2017, 29, 432-444.	6.6	55
16	Auxin Information Processing; Partners and Interactions beyond the Usual Suspects. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2585.	4.1	8
17	Modeling halotropism: A key role for root tip architecture and reflux loop remodeling in redistributing auxin. <i>Development (Cambridge)</i> , 2016, 143, 3350-62.	2.5	59
18	PLETHORA gradient formation mechanism separates auxin responses. <i>Nature</i> , 2014, 515, 125-129.	27.8	329

#	ARTICLE	IF	CITATIONS
19	Polar auxin transport: models and mechanisms. <i>Development (Cambridge)</i> , 2013, 140, 2253-2268.	2.5	105
20	Joining forces: feedback and integration in plant development. <i>Current Opinion in Genetics and Development</i> , 2011, 21, 799-805.	3.3	6
21	Evolution of Networks for Body Plan Patterning; Interplay of Modularity, Robustness and Evolvability. <i>PLoS Computational Biology</i> , 2011, 7, e1002208.	3.2	75