Ulrich Z Hammes

List of Publications by Year
in descending order

23 papers	1,583 citations	516710 16 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	2094 citing authors

#	Article	IF	Citations
1	High-Affinity Auxin Transport by the AUX1 Influx Carrier Protein. Current Biology, 2006, 16, 1123-1127.	3.9	365
2	Auxin efflux by PIN-FORMED proteins is activated by two different protein kinases, D6 PROTEIN KINASE and PINOID. ELife, 2014, 3, .	6.0	205
3	Activation and Polarity Control of PIN-FORMED Auxin Transporters by Phosphorylation. Trends in Plant Science, 2018, 23, 523-538.	8.8	123
4	AtCAT6, a sink-tissue-localized transporter for essential amino acids in Arabidopsis. Plant Journal, 2006, 48, 414-426.	5.7	106
5	Amino Acid Export in Developing Arabidopsis Seeds Depends on UmamiT Facilitators. Current Biology, 2015, 25, 3126-3131.	3.9	90
6	The C2-domain protein QUIRKY and the receptor-like kinase STRUBBELIG localize to plasmodesmata and mediate tissue morphogenesis in <i>Arabidopsis thaliana</i>. Development (Cambridge), 2014, 141, 4139-4148.	2.5	88
7	Dynamic PIN-FORMED auxin efflux carrier phosphorylation at the plasma membrane controls auxin efflux-dependent growth. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E887-E896.	7.1	85
8	The way out and in: phloem loading and unloading of amino acids. Current Opinion in Plant Biology, 2018, 43, 16-21.	7.1	79
9	Naphthylphthalamic acid associates with and inhibits PIN auxin transporters. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	79
10	Plasma Membrane Domain Patterning and Self-Reinforcing Polarity in Arabidopsis. Developmental Cell, 2020, 52, 223-235.e5.	7.0	67
11	Structures and mechanism of the plant PIN-FORMED auxin transporter. Nature, 2022, 609, 605-610.	27.8	58
12	PIN-driven auxin transport emerged early in streptophyte evolution. Nature Plants, 2019, 5, 1114-1119.	9.3	44
13	Auxin methylation is required for differential growth in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6864-6869.	7.1	37
14	Auxin Transportersâ€"A Biochemical View. Cold Spring Harbor Perspectives in Biology, 2022, 14, a039875.	5.5	35
15	The long and winding road: transport pathways for amino acids in Arabidopsis seeds. Plant Reproduction, 2018, 31, 253-261.	2.2	23
16	Expression analysis of KDEL-CysEPs programmed cell death markers during reproduction in Arabidopsis. Plant Reproduction, 2016, 29, 265-272.	2.2	19
17	Mapping and engineering of auxin-induced plasma membrane dissociation in BRX family proteins. Plant Cell, 2021, 33, 1945-1960.	6.6	19
18	DiSUMO-LIKE Interacts with RNA-Binding Proteins and Affects Cell-Cycle Progression during Maize Embryogenesis. Current Biology, 2018, 28, 1548-1560.e5.	3.9	18

#	Article	IF	Citations
19	Use of Xenopus laevis Oocytes to Study Auxin Transport. Methods in Molecular Biology, 2017, 1497, 259-270.	0.9	13
20	Novel roles for phytosulfokine signalling in plantâ€"pathogen interactions. Plant, Cell and Environment, 2016, 39, 1393-1395.	5.7	10
21	The role of KDEL-tailed cysteine endopeptidases of Arabidopsis (AtCEP2 and AtCEP1) in root development. PLoS ONE, 2018, 13, e0209407.	2.5	10
22	A novel chemical inhibitor of polar auxin transport promotes shoot regeneration by local enhancement of HDâ€ZIP III transcription. New Phytologist, 2022, , .	7.3	3
23	Under pressure. ELife, 2016, 5, .	6.0	0