Dominique Audenaert

List of Publications by Year
in descending order

28 papers	3,008 citations	331670 21 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	4527 citing authors

#	Article	IF	Citations
1	Arabidopsis casein kinase 2 triggers stem cell exhaustion under Al toxicity and phosphate deficiency through activating the DNA damage response pathway. Plant Cell, 2021, 33, 1361-1380.	6.6	26
2	The for Novel Inhibitors of Auxin-Induced Ca2+ Signaling. Methods in Molecular Biology, 2021, 2213, 89-98.	0.9	1
3	MISpheroID: a knowledgebase and transparency tool for minimum information in spheroid identity. Nature Methods, 2021, 18, 1294-1303.	19.0	38
4	The CEP5 Peptide Promotes Abiotic Stress Tolerance, As Revealed by Quantitative Proteomics, and Attenuates the AUX/IAA Equilibrium in Arabidopsis. Molecular and Cellular Proteomics, 2020, 19, 1248-1262.	3.8	35
5	Disruption of endocytosis through chemical inhibition of clathrin heavy chain function. Nature Chemical Biology, 2019, 15, 641-649.	8.0	86
6	Identification of Novel Inhibitors of Auxin-Induced Ca²⁺ Signaling via a Plant-Based Chemical Screen. Plant Physiology, 2019, 180, 480-496.	4.8	18
7	Nonselective Chemical Inhibition of Sec7 Domain-Containing ARF GTPase Exchange Factors. Plant Cell, 2018, 30, 2573-2593.	6.6	16
8	Chemical Genetics Uncovers Novel Inhibitors of Lignification, Including p-Iodobenzoic Acid Targeting CINNAMATE-4-HYDROXYLASE. Plant Physiology, 2016, 172, 198-220.	4.8	26
9	CEP5 and XIP1/CEPR1 regulate lateral root initiation in Arabidopsis. Journal of Experimental Botany, 2016, 67, 4889-4899.	4.8	81
10	Mitochondrial Defects Confer Tolerance against Cellulose Deficiency. Plant Cell, 2016, 28, 2276-2290.	6.6	57
11	Mitochondrial uncouplers inhibit clathrin-mediated endocytosis largely through cytoplasmic acidification. Nature Communications, 2016, 7, 11710.	12.8	98
12	Cyclic programmed cell death stimulates hormone signaling and root development in Arabidopsis. Science, 2016, 351, 384-387.	12.6	186
13	Root Cap-Derived Auxin Pre-patterns the Longitudinal Axis of the Arabidopsis Root. Current Biology, 2015, 25, 1381-1388.	3.9	173
14	Activation of auxin signalling counteracts photorespiratory <scp><scp>H₂O₂</scp></scp>â€dependent cell death. Plant, Cell and Environment, 2015, 38, 253-265.	5.7	44
15	A secreted peptide acts on BIN2-mediated phosphorylation of ARFs to potentiate auxin response during lateral root development. Nature Cell Biology, 2014, 16, 66-76.	10.3	245
16	TR-DB: An open-access database of compounds affecting the ethylene-induced triple response in Arabidopsis. Plant Physiology and Biochemistry, 2014, 75, 128-137.	5.8	8
17	Mitochondrial Perturbation Negatively Affects Auxin Signaling. Molecular Plant, 2014, 7, 1138-1150.	8.3	57
18	Synthetic molecules: helping to unravel plant signal transduction. Journal of Chemical Biology, 2013, 6, 43-50.	2.2	16

#	Article	IF	Citations
19	A role for the root cap in root branching revealed by the non-auxin probe naxillin. Nature Chemical Biology, 2012, 8, 798-805.	8.0	118
20	Tackling Drought Stress: RECEPTOR-LIKE KINASES Present New Approaches. Plant Cell, 2012, 24, 2262-2278.	6.6	155
21	KCNQ2 encephalopathy: Emerging phenotype of a neonatal epileptic encephalopathy. Annals of Neurology, 2012, 71, 15-25.	5.3	427
22	A Novel Aux/IAA28 Signaling Cascade Activates GATA23-Dependent Specification of Lateral Root Founder Cell Identity. Current Biology, 2010, 20, 1697-1706.	3.9	431
23	Chemical Inhibition of a Subset of Arabidopsis thaliana GSK3-like Kinases Activates Brassinosteroid Signaling. Chemistry and Biology, 2009, 16, 594-604.	6.0	240
24	The Past, Present, and Future of Chemical Biology in Auxin Research. ACS Chemical Biology, 2009, 4, 987-998.	3.4	60
25	Genome-wide linkage of febrile seizures and epilepsy to the FEB4 locus at 5q14.3-q23.1 and no MASS1 mutation. Human Genetics, 2006, 118, 618-625.	3.8	19
26	Genes and loci involved in febrile seizures and related epilepsy syndromes. Human Mutation, 2006, 27, 391-401.	2.5	63
27	Microdeletions involving theSCN1A gene may be common inSCN1A-mutation-negative SMEI patients. Human Mutation, 2006, 27, 914-920.	2.5	114
28	De novoSCN1Amutations are a major cause of severe myoclonic epilepsy of infancy. Human Mutation, 2003, 21, 615-621.	2.5	170