

# Dominique Audenaert

## List of Publications by Year in descending order

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28  
papers

3,008  
citations

331670

21  
h-index

501196

28  
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28  
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docs citations

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times ranked

4527  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Aux/IAA28 Signaling Cascade Activates GATA23-Dependent Specification of Lateral Root Founder Cell Identity. <i>Current Biology</i> , 2010, 20, 1697-1706.	3.9	431
2	<i>KCNQ2</i> encephalopathy: Emerging phenotype of a neonatal epileptic encephalopathy. <i>Annals of Neurology</i> , 2012, 71, 15-25.	5.3	427
3	A secreted peptide acts on BIN2-mediated phosphorylation of ARFs to potentiate auxin response during lateral root development. <i>Nature Cell Biology</i> , 2014, 16, 66-76.	10.3	245
4	Chemical Inhibition of a Subset of <i>Arabidopsis thaliana</i> GSK3-like Kinases Activates Brassinosteroid Signaling. <i>Chemistry and Biology</i> , 2009, 16, 594-604.	6.0	240
5	Cyclic programmed cell death stimulates hormone signaling and root development in <i>Arabidopsis</i> . <i>Science</i> , 2016, 351, 384-387.	12.6	186
6	Root Cap-Derived Auxin Pre-patterns the Longitudinal Axis of the <i>Arabidopsis</i> Root. <i>Current Biology</i> , 2015, 25, 1381-1388.	3.9	173
7	De novo <i>SCN1A</i> mutations are a major cause of severe myoclonic epilepsy of infancy. <i>Human Mutation</i> , 2003, 21, 615-621.	2.5	170
8	Tackling Drought Stress: RECEPTOR-LIKE KINASES Present New Approaches. <i>Plant Cell</i> , 2012, 24, 2262-2278.	6.6	155
9	A role for the root cap in root branching revealed by the non-auxin probe naxillin. <i>Nature Chemical Biology</i> , 2012, 8, 798-805.	8.0	118
10	Microdeletions involving the <i>SCN1A</i> gene may be common in <i>SCN1A</i> -mutation-negative SMEI patients. <i>Human Mutation</i> , 2006, 27, 914-920.	2.5	114
11	Mitochondrial uncouplers inhibit clathrin-mediated endocytosis largely through cytoplasmic acidification. <i>Nature Communications</i> , 2016, 7, 11710.	12.8	98
12	Disruption of endocytosis through chemical inhibition of clathrin heavy chain function. <i>Nature Chemical Biology</i> , 2019, 15, 641-649.	8.0	86
13	CEP5 and XIP1/CEPR1 regulate lateral root initiation in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 4889-4899.	4.8	81
14	Genes and loci involved in febrile seizures and related epilepsy syndromes. <i>Human Mutation</i> , 2006, 27, 391-401.	2.5	63
15	The Past, Present, and Future of Chemical Biology in Auxin Research. <i>ACS Chemical Biology</i> , 2009, 4, 987-998.	3.4	60
16	Mitochondrial Perturbation Negatively Affects Auxin Signaling. <i>Molecular Plant</i> , 2014, 7, 1138-1150.	8.3	57
17	Mitochondrial Defects Confer Tolerance against Cellulose Deficiency. <i>Plant Cell</i> , 2016, 28, 2276-2290.	6.6	57
18	Activation of auxin signalling counteracts photorespiratory H <sub>2</sub> O <sub>2</sub> -dependent cell death. <i>Plant, Cell and Environment</i> , 2015, 38, 253-265.	5.7	44

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19	MISpheroid: a knowledgebase and transparency tool for minimum information in spheroid identity. <i>Nature Methods</i> , 2021, 18, 1294-1303.	19.0	38
20	The CEP5 Peptide Promotes Abiotic Stress Tolerance, As Revealed by Quantitative Proteomics, and Attenuates the AUX/IAA Equilibrium in Arabidopsis. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1248-1262.	3.8	35
21	Chemical Genetics Uncovers Novel Inhibitors of Lignification, Including <i>p</i> -Iodobenzoic Acid Targeting CINNAMATE-4-HYDROXYLASE. <i>Plant Physiology</i> , 2016, 172, 198-220.	4.8	26
22	Arabidopsis casein kinase 2 triggers stem cell exhaustion under Al toxicity and phosphate deficiency through activating the DNA damage response pathway. <i>Plant Cell</i> , 2021, 33, 1361-1380.	6.6	26
23	Genome-wide linkage of febrile seizures and epilepsy to the FEB4 locus at 5q14.3-q23.1 and no MASS1 mutation. <i>Human Genetics</i> , 2006, 118, 618-625.	3.8	19
24	Identification of Novel Inhibitors of Auxin-Induced Ca <sup>2+</sup> Signaling via a Plant-Based Chemical Screen. <i>Plant Physiology</i> , 2019, 180, 480-496.	4.8	18
25	Synthetic molecules: helping to unravel plant signal transduction. <i>Journal of Chemical Biology</i> , 2013, 6, 43-50.	2.2	16
26	Nonselective Chemical Inhibition of Sec7 Domain-Containing ARF GTPase Exchange Factors. <i>Plant Cell</i> , 2018, 30, 2573-2593.	6.6	16
27	TR-DB: An open-access database of compounds affecting the ethylene-induced triple response in Arabidopsis. <i>Plant Physiology and Biochemistry</i> , 2014, 75, 128-137.	5.8	8
28	The for Novel Inhibitors of Auxin-Induced Ca <sup>2+</sup> Signaling. <i>Methods in Molecular Biology</i> , 2021, 2213, 89-98.	0.9	1