

Gert Van Isterdael

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

6,677
citations

186265
28
h-index

289244
40
g-index

43
all docs

43
docs citations

43
times ranked

11661
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.	2.9	766
2	A single-cell atlas of mouse brain macrophages reveals unique transcriptional identities shaped by ontogeny and tissue environment. Nature Neuroscience, 2019, 22, 1021-1035.	14.8	603
3	Yolk Sac Macrophages, Fetal Liver, and Adult Monocytes Can Colonize an Empty Niche and Develop into Functional Tissue-Resident Macrophages. Immunity, 2016, 44, 755-768.	14.3	478
4	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
5	The roots of a new green revolution. Trends in Plant Science, 2010, 15, 600-607.	8.8	390
6	Receptor-Like Kinase ACR4 Restricts Formative Cell Divisions in the <i>Arabidopsis</i> Root. Science, 2008, 322, 594-597.	12.6	342
7	Targeted interactomics reveals a complex core cell cycle machinery in <i>Arabidopsis thaliana</i> . Molecular Systems Biology, 2010, 6, 397.	7.2	315
8	Cell Cycle Progression in the Pericycle Is Not Sufficient for SOLITARY ROOT/IAA14-Mediated Lateral Root Initiation in <i>Arabidopsis thaliana</i> . Plant Cell, 2005, 17, 3035-3050.	6.6	309
9	Integration of growth and patterning during vascular tissue formation in <i>Arabidopsis</i> . Science, 2014, 345, 1255-1261.	12.6	286
10	IRF8 Transcription Factor Controls Survival and Function of Terminally Differentiated Conventional and Plasmacytoid Dendritic Cells, Respectively. Immunity, 2016, 45, 626-640.	14.3	273
11	A Tandem Affinity Purification-based Technology Platform to Study the Cell Cycle Interactome in <i>Arabidopsis thaliana</i> . Molecular and Cellular Proteomics, 2007, 6, 1226-1238.	3.8	196
12	CDKB1;1 Forms a Functional Complex with CYCA2;3 to Suppress Endocycle Onset. Plant Physiology, 2009, 150, 1482-1493.	4.8	188
13	<i>Arabidopsis</i> NAC45/86 direct sieve element morphogenesis culminating in enucleation. Science, 2014, 345, 933-937.	12.6	173
14	Root Cap-Derived Auxin Pre-patterns the Longitudinal Axis of the <i>Arabidopsis</i> Root. Current Biology, 2015, 25, 1381-1388.	3.9	173
15	Vascular transcription factors guide plant epidermal responses to limiting phosphate conditions. Science, 2020, 370, .	12.6	173
16	Mitochondria-associated membranes as hubs for neurodegeneration. Acta Neuropathologica, 2016, 131, 505-523.	7.7	172
17	CRISPR-TSKO: A Technique for Efficient Mutagenesis in Specific Cell Types, Tissues, or Organs in <i>Arabidopsis</i> . Plant Cell, 2019, 31, 2868-2887.	6.6	171
18	Manipulation of Auxin Transport in Plant Roots during <i>Rhizobium</i> Symbiosis and Nematode Parasitism. Plant Cell, 2009, 21, 2553-2562.	6.6	144

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19	The transcription factor Zeb2 regulates development of conventional and plasmacytoid DCs by repressing Id2. <i>Journal of Experimental Medicine</i> , 2016, 213, 897-911.	8.5	125
20	The Emerging Role of Reactive Oxygen Species Signaling during Lateral Root Development. <i>Plant Physiology</i> , 2014, 165, 1105-1119.	4.8	121
21	Developmental regulation of CYCA2s contributes to tissue-specific proliferation in <i>Arabidopsis</i> . <i>EMBO Journal</i> , 2011, 30, 3430-3441.	7.8	113
22	A Spatiotemporal DNA Endoploidy Map of the Arabidopsis Root Reveals Roles for the Endocycle in Root Development and Stress Adaptation. <i>Plant Cell</i> , 2018, 30, 2330-2351.	6.6	107
23	Regulated IRE1-dependent mRNA decay sets the threshold for dendritic cell survival. <i>Nature Cell Biology</i> , 2017, 19, 698-710.	10.3	93
24	The <i>Arabidopsis thaliana</i> Checkpoint Kinase WEE1 Protects against Premature Vascular Differentiation during Replication Stress. <i>Plant Cell</i> , 2011, 23, 1435-1448.	6.6	81
25	A coherent transcriptional feed-forward motif model for mediating auxin-sensitive PIN3 expression during lateral root development. <i>Nature Communications</i> , 2015, 6, 8821.	12.8	70
26	TIM3+ TRBV11-2 T cells and IFN γ signature in patrolling monocytes and CD16+ NK cells delineate MIS-C. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	57
27	A human immune dysregulation syndrome characterized by severe hyperinflammation with a homozygous nonsense Roquin-1 mutation. <i>Nature Communications</i> , 2019, 10, 4779.	12.8	43
28	Non-cell autonomous and spatiotemporal signalling from a tissue organizer orchestrates root vascular development. <i>Nature Plants</i> , 2021, 7, 1485-1494.	9.3	42
29	Single-cell transcriptomics sheds light on the identity and metabolism of developing leaf cells. <i>Plant Physiology</i> , 2022, 188, 898-918.	4.8	40
30	NBPF1, a tumor suppressor candidate in neuroblastoma, exerts growth inhibitory effects by inducing a G1 cell cycle arrest. <i>BMC Cancer</i> , 2015, 15, 391.	2.6	33
31	The Cyclin-Dependent Kinase Inhibitor KRP6 Induces Mitosis and Impairs Cytokinesis in Giant Cells Induced by Plant-Parasitic Nematodes in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 2633-2647.	6.6	30
32	Overexpression of Gilz Protects Mice Against Lethal Septic Peritonitis. <i>Shock</i> , 2019, 52, 208-214.	2.1	24
33	PeacoQC: Peak-based selection of high quality cytometry data. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2022, 101, 325-338.	1.5	24
34	Ethylene-Mediated Regulation of A2-Type CYCLINs Modulates Hyponastic Growth in Arabidopsis. <i>Plant Physiology</i> , 2015, 169, 194-208.	4.8	22
35	RBL1 (p107) functions as tumor suppressor in glioblastoma and small-cell pancreatic neuroendocrine carcinoma in <i>Xenopus tropicalis</i> . <i>Oncogene</i> , 2020, 39, 2692-2706.	5.9	15
36	RRM2 enhances MYCN-driven neuroblastoma formation and acts as a synergistic target with CHK1 inhibition. <i>Science Advances</i> , 2022, 8, .	10.3	15

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37	A siRNA screen reveals the prosurvival effect of protein kinase A activation in conditions of unresolved endoplasmic reticulum stress. Cell Death and Differentiation, 2016, 23, 1670-1680.	11.2	12
38	Epitope mapping and kinetics of CD4 T cell immunity to pneumonia virus of mice in the C57BL/6 strain. Scientific Reports, 2017, 7, 3472.	3.3	2
39	How techâ€savvy employees make the difference in core facilities. EMBO Reports, 0, , .	4.5	2