

# Jim Mattsson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4045610/publications.pdf>

Version: 2024-02-01

29  
papers

2,734  
citations

430874

18  
h-index

501196

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2556  
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies on the role of the Arabidopsis gene MONOPTEROS in vascular development and plant cell axialization. <i>Planta</i> , 1996, 200, 229-37.	3.2	434
2	Responses of plant vascular systems to auxin transport inhibition. <i>Development (Cambridge)</i> , 1999, 126, 2979-2991.	2.5	398
3	Auxin Signaling in Arabidopsis Leaf Vascular Development. <i>Plant Physiology</i> , 2003, 131, 1327-1339.	4.8	394
4	The Arabidopsis homeobox gene ATHB-7 is induced by water deficit and by abscisic acid. <i>Plant Journal</i> , 1996, 10, 375-381.	5.7	277
5	Dynamics of MONOPTEROS and PIN-FORMED1 expression during leaf vein pattern formation in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2007, 49, 387-398.	5.7	238
6	Vascular continuity and auxin signals. <i>Trends in Plant Science</i> , 2000, 5, 387-393.	8.8	201
7	Responses of plant vascular systems to auxin transport inhibition. <i>Development (Cambridge)</i> , 1999, 126, 2979-91.	2.5	147
8	Conifers have a unique small RNA silencing signature. <i>Rna</i> , 2008, 14, 1508-1515.	3.5	108
9	A new homeobox-leucine zipper gene from <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 1992, 18, 1019-1022.	3.9	78
10	Expression patterns of novel genes encoding homeodomain leucine-zipper proteins in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 1994, 26, 145-154.	3.9	62
11	Vascular development: tracing signals along veins. <i>Current Opinion in Plant Biology</i> , 2000, 3, 406-411.	7.1	55
12	<sc><i>SHORT INTERNODES/STYLISH</i></sc> genes, regulators of auxin biosynthesis, are involved in leaf vein development in <i>Arabidopsis thaliana</i>. <i>New Phytologist</i> , 2013, 197, 737-750.	7.3	51
13	Multiple<i>MONOPTEROS</i>-Dependent Pathways Are Involved in Leaf Initiation. <i>Plant Physiology</i> , 2008, 148, 870-880.	4.8	44
14	The Gymnosperm Cytochrome P450 CYP750B1 Catalyzes Stereospecific Monoterpene Hydroxylation of (+)-Sabinene in Thujone Biosynthesis in Western Redcedar. <i>Plant Physiology</i> , 2015, 168, 94-106.	4.8	38
15	A putative poplar PP2C-encoding gene negatively regulates drought and abscisic acid responses in transgenic <i>Arabidopsis thaliana</i> . <i>Trees - Structure and Function</i> , 2014, 28, 531-543.	1.9	30
16	Identification of Genes Expressed in Vascular Tissues Using NPA-Induced Vascular Overgrowth in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2008, 49, 457-468.	3.1	27
17	Identification of Genes in <i>Thuja plicata</i> Foliar Terpenoid Defenses. <i>Plant Physiology</i> , 2013, 161, 1993-2004.	4.8	26
18	Ectopic divisions in vascular and ground tissues of <i>Arabidopsis thaliana</i> result in distinct leaf venation defects. <i>Journal of Experimental Botany</i> , 2012, 63, 5351-5364.	4.8	21

#	ARTICLE	IF	CITATIONS
19	OsARF11 Promotes Growth, Meristem, Seed, and Vein Formation during Rice Plant Development. International Journal of Molecular Sciences, 2021, 22, 4089.	4.1	18
20	Vascular continuity, cell axialisation and auxin. Plant Growth Regulation, 2000, 32, 173-185.	3.4	17
21	Transfusion tracheids in the conifer leaves of <i>Thuja plicata</i> (Cupressaceae) are derived from parenchyma and their differentiation is induced by auxin. American Journal of Botany, 2013, 100, 1949-1956.	1.7	17
22	Identification of Auxin Response Factor-Encoding Genes Expressed in Distinct Phases of Leaf Vein Development and with Overlapping Functions in Leaf Formation. Plants, 2019, 8, 242.	3.5	14
23	From salmon to salmonberry: The effects of salmon-derived nutrients on the stomatal density of leaves of the nitrophilic shrub <i>Rubus spectabilis</i> . Functional Ecology, 2018, 32, 2625-2633.	3.6	13
24	Foliar phase changes are coupled with changes in storage and biochemistry of monoterpenoids in western redcedar ( <i>Thuja plicata</i> ). Trees - Structure and Function, 2016, 30, 1361-1375.	1.9	7
25	Spatial and temporal expression patterns directed by the <i>Agrobacterium tumefaciens</i> T-DNA gene 5 promoter during somatic embryogenesis in carrot. Plant Molecular Biology, 1992, 18, 629-637.	3.9	6
26	Identification of Three Monofunctional Diterpene Synthases with Specific Enzyme Activities Expressed during Heartwood Formation in Western Redcedar ( <i>Thuja plicata</i> ) Trees. Plants, 2020, 9, 1018.	3.5	6
27	Induction of xylem and fiber differentiation in <i>Populus tremuloides</i> This article is one of a selection of papers published in the Special Issue on Poplar Research in Canada.. Canadian Journal of Botany, 2007, 85, 1147-1157.	1.1	4
28	Differences in drought resistance in nine North American hybrid poplars. Trees - Structure and Function, 2019, 33, 1111-1128.	1.9	3
29	Grow with the flow. Current Biology, 2000, 10, R91.	3.9	0