

Jim Mattsson

List of Publications by Year in descending order

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2,734
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430874

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docs citations

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times ranked

2556
citing authors

#	ARTICLE	IF	CITATIONS
1	OsARF11 Promotes Growth, Meristem, Seed, and Vein Formation during Rice Plant Development. International Journal of Molecular Sciences, 2021, 22, 4089.	4.1	18
2	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
3	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
4	Differences in drought resistance in nine North American hybrid poplars. Trees - Structure and Function, 2019, 33, 1111-1128.	1.9	3
5	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
6	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
7	The Gymnosperm Cytochrome P450 CYP750B1 Catalyzes Stereospecific Monoterpene Hydroxylation of (+)-Sabinene in Thujone Biosynthesis in Western Redcedar. Plant Physiology, 2015, 168, 94-106.	4.8	38
8	A putative poplar PP2C-encoding gene negatively regulates drought and abscisic acid responses in transgenic <i>Arabidopsis thaliana</i> . Trees - Structure and Function, 2014, 28, 531-543.	1.9	30
9	<i>SHORT INTERNODES/STYLISH</i> genes, regulators of auxin biosynthesis, are involved in leaf vein development in <i>Arabidopsis thaliana</i> . New Phytologist, 2013, 197, 737-750.	7.3	51
10	Identification of Genes in <i>Thuja plicata</i> Foliar Terpenoid Defenses. Plant Physiology, 2013, 161, 1993-2004.	4.8	26
11	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
12	Ectopic divisions in vascular and ground tissues of <i>Arabidopsis thaliana</i> result in distinct leaf venation defects. Journal of Experimental Botany, 2012, 63, 5351-5364.	4.8	21
13	Conifers have a unique small RNA silencing signature. Rna, 2008, 14, 1508-1515.	3.5	108
14	Identification of Genes Expressed in Vascular Tissues Using NPA-Induced Vascular Overgrowth in <i>Arabidopsis</i> . Plant and Cell Physiology, 2008, 49, 457-468.	3.1	27
15	Multiple <i>MONOPTEROS</i> -Dependent Pathways Are Involved in Leaf Initiation. Plant Physiology, 2008, 148, 870-880.	4.8	44
16	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
17	Dynamics of <i>MONOPTEROS</i> and <i>PIN-FORMED1</i> expression during leaf vein pattern formation in <i>Arabidopsis thaliana</i> . Plant Journal, 2007, 49, 387-398.	5.7	238
18	Auxin Signaling in <i>Arabidopsis</i> Leaf Vascular Development. Plant Physiology, 2003, 131, 1327-1339.	4.8	394

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19	Vascular development: tracing signals along veins. <i>Current Opinion in Plant Biology</i> , 2000, 3, 406-411.	7.1	55
20	Grow with the flow. <i>Current Biology</i> , 2000, 10, R91.	3.9	0
21	Vascular continuity, cell axialisation and auxin. <i>Plant Growth Regulation</i> , 2000, 32, 173-185.	3.4	17
22	Vascular continuity and auxin signals. <i>Trends in Plant Science</i> , 2000, 5, 387-393.	8.8	201
23	Responses of plant vascular systems to auxin transport inhibition. <i>Development (Cambridge)</i> , 1999, 126, 2979-2991.	2.5	398
24	Responses of plant vascular systems to auxin transport inhibition. <i>Development (Cambridge)</i> , 1999, 126, 2979-91.	2.5	147
25	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
26	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
27	Expression patterns of novel genes encoding homeodomain leucine-zipper proteins in Arabidopsis thaliana. <i>Plant Molecular Biology</i> , 1994, 26, 145-154.	3.9	62
28	A new homeobox-leucine zipper gene from Arabidopsis thaliana. <i>Plant Molecular Biology</i> , 1992, 18, 1019-1022.	3.9	78
29	Spatial and temporal expression patterns directed by the <i>Agrobacterium tumefaciens</i> T-DNA gene 5 promoter during somatic embryogenesis in carrot. <i>Plant Molecular Biology</i> , 1992, 18, 629-637.	3.9	6