

Patrick von Aderkas

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Composition of Sexual Fluids in <i>Cycas revoluta</i> Ovules During Pollination and Fertilization. <i>Botanical Review, The</i> , 2022, 88, 453-484.	3.9	3
2	Phytohormone profiles of sterile Douglas-fir mutants and the responses to stem-injected gibberellins. <i>Trees - Structure and Function</i> , 2021, 35, 1961.	1.9	1
3	LC-MS/MS based comparative proteomics of floral nectars reveal different mechanisms involved in floral defense of <i>Nicotiana</i> spp., <i>Petunia hybrida</i> and <i>Datura stramonium</i> . <i>Journal of Proteomics</i> , 2020, 213, 103618.	2.4	7
4	Complex reproductive secretions occur in all extant gymnosperm lineages: a proteomic survey of gymnosperm pollination drops. <i>Plant Reproduction</i> , 2019, 32, 153-166.	2.2	11
5	Effects of stem-injected gibberellins and 6-benzylaminopurine on phytohormone profiles and cone yield in two lodgepole pine genotypes. <i>Trees - Structure and Function</i> , 2018, 32, 765-775.	1.9	7
6	The Evolution of Sexual Fluids in Gymnosperms From Pollination Drops to Nectar. <i>Frontiers in Plant Science</i> , 2018, 9, 1844.	3.6	21
7	Sex-Dependent Variation of Pumpkin (<i>Cucurbita maxima</i> cv. Big Max) Nectar and Nectaries as Determined by Proteomics and Metabolomics. <i>Frontiers in Plant Science</i> , 2018, 9, 860.	3.6	17
8	An assessment of <i>Pinus contorta</i> seed production in British Columbia: Geographic variation and dynamically-downscaled climate correlates from the Canadian Regional Climate Model. <i>Agricultural and Forest Meteorology</i> , 2017, 236, 194-210.	4.8	6
9	Phylogenetic and functional signals in gymnosperm ovular secretions. <i>Annals of Botany</i> , 2017, 120, 923-936.	2.9	26
10	Insights from the pollination drop proteome and the ovule transcriptome of <i>Cephalotaxus</i> at the time of pollination drop production. <i>Annals of Botany</i> , 2016, 117, 973-984.	2.9	14
11	A transcriptomic resource for Douglas-fir seed development and analysis of transcription during late megagametophyte development. <i>Plant Reproduction</i> , 2016, 29, 273-286.	2.2	8
12	Effects of Exogenously Applied Gibberellins and Thidiazuron on Phytohormone Profiles of Long-Shoot Buds and Cone Gender Determination in Lodgepole Pine. <i>Journal of Plant Growth Regulation</i> , 2016, 35, 172-182.	5.1	9
13	Effect of light conditions on anatomical and biochemical aspects of somatic and zygotic embryos of hybrid larch (<i>Larix laricina</i> × <i>Larix laricina</i>). <i>Annals of Botany</i> , 2015, 115, 605-615.	2.9	19
14	Degradome and Secretome of Pollination Drops of Ephedra. <i>Botanical Review, The</i> , 2015, 81, 1-27.	3.9	12
15	Host-Parasite Interactions from the Inside: Plant Reproductive Ontogeny Drives Specialization in Parasitic Insects. <i>PLoS ONE</i> , 2015, 10, e0139634.	2.5	4
16	Application of Proteomics to the Study of Pollination Drops. <i>Applications in Plant Sciences</i> , 2013, 1, 1300008.	2.1	12
17	Analysis of Phytohormone Profiles during Male and Female Cone Initiation and Early Differentiation in Long-shoot Buds of Lodgepole Pine. <i>Journal of Plant Growth Regulation</i> , 2012, 31, 478-489.	5.1	15
18	Post-pollination prefertilization drops affect germination rates of heterospecific pollen in larch and Douglas-fir. <i>Sexual Plant Reproduction</i> , 2012, 25, 215-225.	2.2	10

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19	Pollination drops as dynamic apoplastic secretions. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2012, 207, 482-490.	1.2	23
20	Effects of stem girdling on cone yield and endogenous phytohormones and metabolites in developing long shoots of Douglas-fir (<i>Pseudotsuga menziesii</i>). <i>New Forests</i> , 2012, 43, 491-503.	1.7	8
21	A novel method of cryopreservation without a cryoprotectant for immature somatic embryos of conifer. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 106, 115-125.	2.3	48
22	Marking live conifer pollen for long-distance dispersal experiments. <i>Oecologia</i> , 2011, 165, 249-254.	2.0	4
23	Marking live conifer pollen for long-distance dispersal experiments. <i>Oecologia</i> , 2011, 165, 255-260.	2.0	2
24	Comparison of endogenous cytokinins, ABA and metabolites during female cone bud differentiation in low and high cone-producing genotypes of lodgepole pine. <i>Trees - Structure and Function</i> , 2011, 25, 1103-1110.	1.9	5
25	Jack Lamont Mclachlan (1 April 1930–13 December 2010). <i>Phycologia</i> , 2011, 50, 329-339.	1.4	0
26	Nectar and pollination drops: how different are they?. <i>Annals of Botany</i> , 2009, 104, 205-219.	2.9	91
27	Identification of two thaumatin-like proteins (TLPs) in the pollination drop of hybrid yew that may play a role in pathogen defence during pollen collection. <i>Tree Physiology</i> , 2007, 27, 1649-1659.	3.1	42
28	Proteomic evaluation of gymnosperm pollination drop proteins indicates highly conserved and complex biological functions. <i>Sexual Plant Reproduction</i> , 2007, 20, 181-189.	2.2	48
29	Postpollination drop production in hybrid larch is not related to the diurnal pattern of xylem water potential. <i>Trees - Structure and Function</i> , 2006, 20, 61-66.	1.9	13
30	Identification of Proteins Present in the Douglas Fir Ovular Secretion: An Insight into Conifer Pollen Selection and Development. <i>International Journal of Plant Sciences</i> , 2005, 166, 733-739.	1.3	30
31	Seed parasitism redirects ovule development in Douglas fir. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 1491-1496.	2.6	17
32	Charcoal affects early development and hormonal concentrations of somatic embryos of hybrid larch. <i>Tree Physiology</i> , 2002, 22, 431-434.	3.1	36
33	Ovular secretions as part of pollination mechanisms in conifers. <i>Annals of Forest Science</i> , 2002, 59, 345-357.	2.0	59
34	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2002, 69, 111-120.	2.3	25
35	Title is missing!. <i>Plant Growth Regulation</i> , 2002, 36, 191-200.	3.4	37
36	Improving tolerance of somatic embryos of <i>Picea glauca</i> to flash desiccation with a cold treatment (desiccation after cold acclimation). <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2002, 38, 334-341.	2.1	21

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37	In vitro pollen tube growth and penetration of female gametophyte in Douglas fir (<i>Pseudotsuga</i>) Tj ETQq1 1 0.784314 rgBT /Overloc	2.2	23
38	Water relations parameters and tissue development in somatic and zygotic embryos of three pineaceous conifers. American Journal of Botany, 1996, 83, 992-996.	1.7	6
39	Water Relations Parameters and Tissue Development in Somatic and Zygotic Embryos of Three Pineaceous Conifers. American Journal of Botany, 1996, 83, 992.	1.7	5
40	Aneuploidy and polyploidization in haploid tissue cultures of <i>Larix decidua</i> . Physiologia Plantarum, 1993, 88, 73-77.	5.2	14
41	ULTRASTRUCTURAL CHANGES IN HAPLOID EMBRYOIDS OF <i>LARIX DECIDUA</i> DURING EARLY EMBRYOGENESIS. American Journal of Botany, 1989, 76, 1460-1467.	1.7	18
42	Ultrastructural Changes in Haploid Embryoids of <i>Larix decidua</i> During Early Embryogenesis. American Journal of Botany, 1989, 76, 1460.	1.7	11