Agnieszka Bagniewska-Zadworna

List of Publications by Citations

31 papers	4,881 citations	15 h-index	33 g-index
33 ext. papers	6,254 ext. citations	5.3 avg, IF	3.95 L-index

#	Paper	IF	Citations
31	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
30	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*, **2021**, 17, 1-382	10.2	440
29	The cinnamyl alcohol dehydrogenase gene family in Populus: phylogeny, organization, and expression. *BMC Plant Biology*, **2009**, 9, 26	5.3	106
28	Root traits as drivers of plant and ecosystem functioning: current understanding, pitfalls and future research needs. *New Phytologist*, **2021**, 232, 1123-1158	9.8	69
27	Phylogeny and expression profiling of CAD and CAD-like genes in hybrid Populus (P. deltoides x P. nigra): evidence from herbivore damage for subfunctionalization and functional divergence. *BMC Plant Biology*, **2010**, 10, 100	5.3	55
26	The production, localization and spreading of reactive oxygen species contributes to the low vitality of long-term stored common beech (Fagus sylvatica L.) seeds. *Journal of Plant Physiology*, **2015**, 174, 147-56	3.6	40
25	Avoiding transport bottlenecks in an expanding root system: xylem vessel development in fibrous and pioneer roots under field conditions. *American Journal of Botany*, **2012**, 99, 1417-26	2.7	40
24	Lignin and lignans in plant defence: insight from expression profiling of cinnamyl alcohol dehydrogenase genes during development and following fungal infection in Populus. *Plant Science*, **2014**, 229, 111-121	5.3	39
23	A starting guide to root ecology: strengthening ecological concepts and standardising root classification, sampling, processing and trait measurements. *New Phytologist*, **2021**, 232, 973-1122	9.8	31
22	The root microtubule cytoskeleton and cell cycle analysis through desiccation of Brassica napus seedlings. *Protoplasma*, **2008**, 233, 177-85	3.4	25
21	New insights into pioneer root xylem development: evidence obtained from Populus trichocarpa plants grown under field conditions. *Annals of Botany*, **2014**, 113, 1235-47	4.1	22
20	Physio-Genetic Dissection of Dark-Induced Leaf Senescence and Timing Its Reversal in Barley. *Plant Physiology*, **2018**, 178, 654-671	6.6	21
19	Direct analysis of elemental biodistribution in pea seedlings by LA-ICP-MS, EDX and confocal microscopy: Imaging and quantification. *Microchemical Journal*, **2016**, 128, 305-311	4.8	20
18	Phenolic compound localisation in Polypodium vulgare L. rhizomes after mannitol-induced dehydration and controlled desiccation. *Plant Cell Reports*, **2008**, 27, 1251-9	5.1	15
17	Autophagy counteracts instantaneous cell death during seasonal senescence of the fine roots and leaves in Populus trichocarpa. *BMC Plant Biology*, **2018**, 18, 260	5.3	15
16	Heterogeneity of silica and glycan-epitope distribution in epidermal idioblast cell walls in Adiantum raddianum laminae. *Planta*, **2013**, 237, 1453-64	4.7	14
15	The mystery of underground death: cell death in roots during ontogeny and in response to environmental factors. *Plant Biology*, **2016**, 18, 171-84	3.7	13

List of Publications

14	A successful application of the embryo rescue technique as a model for studying crosses between Salix viminalis and Populus species. *Australian Journal of Botany*, **2011**, 59, 382	1.2	11
13	Occurrence of autophagy during pioneer root and stem development in Populus trichocarpa. *Planta*, **2019**, 250, 1789-1801	4.7	9
12	Cytological analysis of hybrid embryos of intergeneric crosses between Salix viminalis and Populus species. *Australian Journal of Botany*, **2010**, 58, 42	1.2	9
11	The effect of dehydration with or without abscisic acid pretreatment on buds regeneration from Polypodium vulgare L. rhizomes. *Acta Physiologiae Plantarum*, **2007**, 29, 47-56	2.6	9
10	Drought-induced anatomical modifications of barley (Hordeum vulgare L.) leaves: An allometric perspective. *Environmental and Experimental Botany*, **2019**, 166, 103798	5.9	8
9	Multiple Subcellular Localizations of Dehydrin-like Proteins in the Embryonic Axes of Common Beech (Fagus sylvatica L.) Seeds During Maturation and Dry Storage. *Journal of Plant Growth Regulation*, **2015**, 34, 137-149	4.7	7
8	Abscisic Acid and Jasmonate Metabolisms Are Jointly Regulated During Senescence in Roots and Leaves of. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
7	Dehydration Sensitivity at the Early Seedling Establishment Stages of the European Beech (Fagus sylvatica L.). *Forests*, **2019**, 10, 900	2.8	4
6	Xylem Cell Wall Formation in Pioneer Roots and Stems of (Torr. & Gray). *Frontiers in Plant Science*, **2019**, 10, 1419	6.2	4
5	Root Heterogeneity and Developmental Stage Determine the Pattern of Cellulose Synthase and Cinnamyl Alcohol Dehydrogenase Gene Expression Profiles during Xylogenesis in Populus trichocarpa (Torr. et Gray). *International Journal of Plant Sciences*, **2015**, 176, 458-467	2.6	3
4	Seasonal senescence of leaves and roots of Populus trichocarpa-is the scenario the same or different?. *Tree Physiology*, **2020**, 40, 987-1000	4.2	3
3	Integration of MsrB1 and MsrB2 in the Redox Network during the Development of Orthodox and Recalcitrant Seeds. *Antioxidants*, **2020**, 9,	7.1	3
2	Higher biomass partitioning to absorptive roots improves needle nutrition but does not alleviate stomatal limitation of northern Scots pine. *Global Change Biology*, **2021**, 27, 3859-3869	11.4	2
1	Autophagy-an underestimated coordinator of construction and destruction during plant root ontogeny. *Planta*, **2021**, 254, 15	4.7	0