Agnieszka Bagniewska-Zadworna

List of Publications by Year
in descending order

33 papers	7,345 citations	516710 16 h-index	395702 33 g-index

33 all docs	33 docs citations	33 times ranked	16988 citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (edition	9.1	1,430
3	Root traits as drivers of plant and ecosystem functioning: current understanding, pitfalls and future research needs. New Phytologist, 2021, 232, 1123-1158.	7.3	277
4	A starting guide to root ecology: strengthening ecological concepts and standardising root classification, sampling, processing and trait measurements. New Phytologist, 2021, 232, 973-1122.	7.3	216
5	The cinnamyl alcohol dehydrogenase gene family in Populus: phylogeny, organization, and expression. BMC Plant Biology, 2009, 9, 26.	3.6	125
6	Phylogeny and expression profiling of CAD and CAD-like genes in hybrid Populus (P. deltoides Ã— P.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Plant Biology, 2010, 10, 100.	3.6	69
7	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, 147-156.	3.5	59
8	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.	3.6	57
9	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, 1417-1426.	1.7	52
10	Physio-Genetic Dissection of Dark-Induced Leaf Senescence and Timing Its Reversal in Barley. Plant Physiology, 2018, 178, 654-671.	4.8	40
11	The root microtubule cytoskeleton and cell cycle analysis through desiccation of Brassica napus seedlings. Protoplasma, 2008, 233, 177-185.	2.1	30
12	New insights into pioneer root xylem development: evidence obtained from Populus trichocarpa plants grown under field conditions. Annals of Botany, 2014, 113, 1235-1247.	2.9	28
13	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.	4.5	28
14	Occurrence of autophagy during pioneer root and stem development in Populus trichocarpa. Planta, 2019, 250, 1789-1801.	3.2	25
15	Heterogeneity of silica and glycan-epitope distribution in epidermal idioblast cell walls in Adiantum raddianum laminae. Planta, 2013, 237, 1453-1464.	3.2	23
16	Autophagy counteracts instantaneous cell death during seasonal senescence of the fine roots and leaves in Populus trichocarpa. BMC Plant Biology, 2018, 18, 260.	3.6	21
17	Drought-induced anatomical modifications of barley (Hordeum vulgare L.) leaves: An allometric perspective. Environmental and Experimental Botany, 2019, 166, 103798.	4.2	19
18	Phenolic compound localisation in Polypodium vulgare L. rhizomes after mannitol-induced dehydration and controlled desiccation. Plant Cell Reports, 2008, 27, 1251-1259.	5.6	15

#	Article	IF	Citations
19	The mystery of underground death: cell death in roots during ontogeny and in response to environmental factors. Plant Biology, 2016, 18, 171-184.	3.8	15
20	Xylem Cell Wall Formation in Pioneer Roots and Stems of Populus trichocarpa (Torr. & Gray). Frontiers in Plant Science, 2019, 10, 1419.	3.6	15
21	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.	0.6	13
22	Cytological analysis of hybrid embryos of intergeneric crosses between Salix viminalis and Populus species. Australian Journal of Botany, 2010, 58, 42.	0.6	11
23	Seasonal senescence of leaves and roots of Populus trichocarpaâ€"is the scenario the same or different?. Tree Physiology, 2020, 40, 987-1000.	3.1	11
24	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.	2.1	10
25	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.	5.1	10
26	Abscisic Acid and Jasmonate Metabolisms Are Jointly Regulated During Senescence in Roots and Leaves of Populus trichocarpa. International Journal of Molecular Sciences, 2020, 21, 2042.	4.1	9
27	Dehydration Sensitivity at the Early Seedling Establishment Stages of the European Beech (Fagus) Tj ETQq1 1 0.784314 rgBT /Overlock	2.1	8
28	Integration of MsrB1 and MsrB2 in the Redox Network during the Development of Orthodox and Recalcitrant Acer Seeds. Antioxidants, 2020, 9, 1250.	5.1	7
29	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.	9.5	7
30	Autophagyâ€"an underestimated coordinator of construction and destruction during plant root ontogeny. Planta, 2021, 254, 15.	3.2	5
31	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.	1.3	4
32	Localization and Dynamics of the Methionine Sulfoxide Reductases MsrB1 and MsrB2 in Beech Seeds. International Journal of Molecular Sciences, 2021, 22, 402.	4.1	3
33	Allies or Enemies: The Role of Reactive Oxygen Species in Developmental Processes of Black Cottonwood (Populus trichocarpa). Antioxidants, 2020, 9, 199.	5.1	2