

Agnieszka Bagniewska-Zadworna

List of Publications by Year in descending order

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papers

7,345
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516710

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docs citations

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times ranked

16988
citing authors

#	ARTICLE	IF	CITATIONS
1	Root traits as drivers of plant and ecosystem functioning: current understanding, pitfalls and future research needs. <i>New Phytologist</i> , 2021, 232, 1123-1158.	7.3	277
2	Localization and Dynamics of the Methionine Sulfoxide Reductases MsrB1 and MsrB2 in Beech Seeds. <i>International Journal of Molecular Sciences</i> , 2021, 22, 402.	4.1	3
3	Higher biomass partitioning to absorptive roots improves needle nutrition but does not alleviate stomatal limitation of northern Scots pine. <i>Global Change Biology</i> , 2021, 27, 3859-3869.	9.5	7
4	Autophagy is an underestimated coordinator of construction and destruction during plant root ontogeny. <i>Planta</i> , 2021, 254, 15.	3.2	5
5	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,582 Tc 1,430	9.1	1,430
6	A starting guide to root ecology: strengthening ecological concepts and standardising root classification, sampling, processing and trait measurements. <i>New Phytologist</i> , 2021, 232, 973-1122.	7.3	216
7	Integration of MsrB1 and MsrB2 in the Redox Network during the Development of Orthodox and Recalcitrant Acer Seeds. <i>Antioxidants</i> , 2020, 9, 1250.	5.1	7
8	Seasonal senescence of leaves and roots of <i>Populus trichocarpa</i> is the scenario the same or different?. <i>Tree Physiology</i> , 2020, 40, 987-1000.	3.1	11
9	Abscisic Acid and Jasmonate Metabolisms Are Jointly Regulated During Senescence in Roots and Leaves of <i>Populus trichocarpa</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 2042.	4.1	9
10	Allies or Enemies: The Role of Reactive Oxygen Species in Developmental Processes of Black Cottonwood (<i>Populus trichocarpa</i>). <i>Antioxidants</i> , 2020, 9, 199.	5.1	2
11	Dehydration Sensitivity at the Early Seedling Establishment Stages of the European Beech (<i>Fagus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 2.1	2.1	2.1
12	Occurrence of autophagy during pioneer root and stem development in <i>Populus trichocarpa</i> . <i>Planta</i> , 2019, 250, 1789-1801.	3.2	25
13	Drought-induced anatomical modifications of barley (<i>Hordeum vulgare</i> L.) leaves: An allometric perspective. <i>Environmental and Experimental Botany</i> , 2019, 166, 103798.	4.2	19
14	Xylem Cell Wall Formation in Pioneer Roots and Stems of <i>Populus trichocarpa</i> (Torr. & Gray). <i>Frontiers in Plant Science</i> , 2019, 10, 1419.	3.6	15
15	Autophagy counteracts instantaneous cell death during seasonal senescence of the fine roots and leaves in <i>Populus trichocarpa</i> . <i>BMC Plant Biology</i> , 2018, 18, 260.	3.6	21
16	Physio-Genetic Dissection of Dark-Induced Leaf Senescence and Timing Its Reversal in Barley. <i>Plant Physiology</i> , 2018, 178, 654-671.	4.8	40
17	The mystery of underground death: cell death in roots during ontogeny and in response to environmental factors. <i>Plant Biology</i> , 2016, 18, 171-184.	3.8	15
18	Direct analysis of elemental biodistribution in pea seedlings by LA-ICP-MS, EDX and confocal microscopy: Imaging and quantification. <i>Microchemical Journal</i> , 2016, 128, 305-311.	4.5	28

#	ARTICLE	IF	CITATIONS
19	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
20	Multiple Subcellular Localizations of Dehydrin-like Proteins in the Embryonic Axes of Common Beech (<i>Fagus sylvatica</i> L.) Seeds During Maturation and Dry Storage. <i>Journal of Plant Growth Regulation</i> , 2015, 34, 137-149.	5.1	10
21	The production, localization and spreading of reactive oxygen species contributes to the low vitality of long-term stored common beech (<i>Fagus sylvatica</i> L.) seeds. <i>Journal of Plant Physiology</i> , 2015, 174, 147-156.	3.5	59
22	Root Heterogeneity and Developmental Stage Determine the Pattern of Cellulose Synthase and Cinnamyl Alcohol Dehydrogenase Gene Expression Profiles during Xylogenesis in <i>Populus trichocarpa</i> (Torr. et Gray). <i>International Journal of Plant Sciences</i> , 2015, 176, 458-467.	1.3	4
23	New insights into pioneer root xylem development: evidence obtained from <i>Populus trichocarpa</i> plants grown under field conditions. <i>Annals of Botany</i> , 2014, 113, 1235-1247.	2.9	28
24	Lignin and lignans in plant defence: Insight from expression profiling of cinnamyl alcohol dehydrogenase genes during development and following fungal infection in <i>Populus</i> . <i>Plant Science</i> , 2014, 229, 111-121.	3.6	57
25	Heterogeneity of silica and glycan-epitope distribution in epidermal idioblast cell walls in <i>Adiantum radicans</i> laminae. <i>Planta</i> , 2013, 237, 1453-1464.	3.2	23
26	Avoiding transport bottlenecks in an expanding root system: Xylem vessel development in fibrous and pioneer roots under field conditions. <i>American Journal of Botany</i> , 2012, 99, 1417-1426.	1.7	52
27	A successful application of the embryo rescue technique as a model for studying crosses between <i>Salix viminalis</i> and <i>Populus</i> species. <i>Australian Journal of Botany</i> , 2011, 59, 382.	0.6	13
28	Phylogeny and expression profiling of CAD and CAD-like genes in hybrid <i>Populus</i> (<i>P. deltoides</i> × <i>P.</i> <i>trichocarpa</i>). <i>Plant Biology</i> , 2010, 10, 100.	3.6	69
29	Cytological analysis of hybrid embryos of intergeneric crosses between <i>Salix viminalis</i> and <i>Populus</i> species. <i>Australian Journal of Botany</i> , 2010, 58, 42.	0.6	11
30	The cinnamyl alcohol dehydrogenase gene family in <i>Populus</i> : phylogeny, organization, and expression. <i>BMC Plant Biology</i> , 2009, 9, 26.	3.6	125
31	Phenolic compound localisation in <i>Polypodium vulgare</i> L. rhizomes after mannitol-induced dehydration and controlled desiccation. <i>Plant Cell Reports</i> , 2008, 27, 1251-1259.	5.6	15
32	The root microtubule cytoskeleton and cell cycle analysis through desiccation of <i>Brassica napus</i> seedlings. <i>Protoplasma</i> , 2008, 233, 177-185.	2.1	30
33	The effect of dehydration with or without abscisic acid pretreatment on buds regeneration from <i>Polypodium vulgare</i> L. rhizomes. <i>Acta Physiologiae Plantarum</i> , 2007, 29, 47-56.	2.1	10