Ewa U KurczyÅ„ska

List of Publications by Year
in descending order

52 papers	1,011 citations	430874 18 h-index	477307 29 g-index
53 all docs	53 docs citations	53 times ranked	1119 citing authors

#	Article	IF	Citations
1	Histological analysis of direct somatic embryogenesis in Arabidopsis thaliana (L.) Heynh. Planta, 2007, 226, 619-628.	3.2	114
2	Fate of neutral-charged gold nanoparticles in the roots of the Hordeum vulgare L. cultivar Karat. Scientific Reports, 2017, 7, 3014.	3.3	56
3	The Influence of Air Pollutants on Needles and Stems of Scots Pine (Pinus Sylvestris L.) Trees. Environmental Pollution, 1997, 98, 325-334.	7.5	52
4	Effect of Nanoparticles Surface Charge on the Arabidopsis thaliana (L.) Roots Development and Their Movement into the Root Cells and Protoplasts. International Journal of Molecular Sciences, 2019, 20, 1650.	4.1	50
5	Distribution of lipid transfer protein 1 (LTP1) epitopes associated with morphogenic events during somatic embryogenesis of Arabidopsis thaliana. Plant Cell Reports, 2012, 31, 2031-2045.	5.6	42
6	Symplasmic isolation marks cell fate changes during somatic embryogenesis. Journal of Experimental Botany, 2020, 71, 2612-2628.	4.8	37
7	Distribution of some pectic and arabinogalactan protein epitopes during Solanum lycopersicum (L.) adventitious root development. BMC Plant Biology, 2017, 17, 25.	3.6	34
8	Aluminum Alters the Histology and Pectin Cell Wall Composition of Barley Roots. International Journal of Molecular Sciences, 2019, 20, 3039.	4.1	34
9	Cellular events during interfascicular cambium ontogenesis in inflorescence stems of Arabidopsis. Protoplasma, 2014, 251, 1125-1139.	2.1	30
10	Spatial Distribution of Selected Chemical Cell Wall Components in the Embryogenic Callus of Brachypodium distachyon. PLoS ONE, 2016, 11, e0167426.	2.5	30
11	Diverse influence of nanoparticles on plant growth with a particular emphasis on crop plants. Acta Agrobotanica, 2016, 69, .	1.0	30
12	Unique chromoplast organisation and carotenoid gene expression in carotenoid-rich carrot callus. Planta, 2018, 248, 1455-1471.	3.2	28
13	Nanoparticlesâ€"Plant Interaction: What We Know, Where We Are?. Applied Sciences (Switzerland), 2021, 11, 5473.	2.5	25
14	Plasma membrane and cell wall properties of an aspen hybrid (Populus tremulaÂÃ—Âtremuloides) parenchyma cells under the influence of salt stress. Acta Physiologiae Plantarum, 2014, 36, 1155-1165.	2.1	24
15	Histology and symplasmic tracer distribution during development of barley androgenic embryos. Planta, 2011, 233, 873-881.	3.2	23
16	Quantitative and qualitative characteristics of cell wall components and prenyl lipids in the leaves of Tilia x euchlora trees growing under salt stress. PLoS ONE, 2017, 12, e0172682.	2.5	22
17	Importance of symplasmic communication in cell differentiation. Plant Signaling and Behavior, 2014, 9, e27931.	2.4	21
18	Rays, intrusive growth, and storied cambium in the inflorescence stems of Arabidopsis thaliana (L.) Heynh. Protoplasma, 2012, 249, 217-220.	2.1	20

#	Article	IF	Citations
19	Identification of symplasmic domains in the embryo and seed of Sedum acre L. (Crassulaceae). Planta, 2017, 245, 491-505.	3.2	20
20	Nuclear genome stability in long-term cultivated callus lines of Fagopyrum tataricum (L.) Gaertn. PLoS ONE, 2017, 12, e0173537.	2.5	20
21	Spatio-temporal localization of selected pectic and arabinogalactan protein epitopes and the ultrastructural characteristics of explant cells that accompany the changes in the cell fate during somatic embryogenesis in Arabidopsis thaliana. Plant Physiology and Biochemistry, 2018, 127, 573-589.	5.8	20
22	The development of a hairless phenotype in barley roots treated with gold nanoparticles is accompanied by changes in the symplasmic communication. Scientific Reports, 2019, 9, 4724.	3.3	20
23	5-Azacitidine Induces Cell Death in a Tissue Culture of Brachypodium distachyon. International Journal of Molecular Sciences, 2018, 19, 1806.	4.1	18
24	Differences in protodermal cell wall structure in zygotic and somatic embryos of Daucus carota (L.) cultured on solid and in liquid media. Protoplasma, 2012, 249, 117-129.	2.1	16
25	Hydroxyproline-Rich Glycoproteins as Markers of Temperature Stress in the Leaves of Brachypodium distachyon. International Journal of Molecular Sciences, 2019, 20, 2571.	4.1	16
26	Unmethyl-esterified homogalacturonan and extensins seal Arabidopsis graft union. BMC Plant Biology, 2019, 19, 151.	3.6	15
27	Immunodetection of some pectic, arabinogalactan proteins and hemicellulose epitopes in the micropylar transmitting tissue of apomictic dandelions (Taraxacum, Asteraceae, Lactuceae). Protoplasma, 2017, 254, 657-668.	2.1	14
28	Inhibition of Carotenoid Biosynthesis by CRISPR/Cas9 Triggers Cell Wall Remodelling in Carrot. International Journal of Molecular Sciences, 2021, 22, 6516.	4.1	14
29	Organ and Tissue-Specific Localisation of Selected Cell Wall Epitopes in the Zygotic Embryo of Brachypodium distachyon. International Journal of Molecular Sciences, 2018, 19, 725.	4.1	13
30	Gold Nanoparticles-Induced Modifications in Cell Wall Composition in Barley Roots. Cells, 2021, 10, 1965.	4.1	12
31	Histology and Histochemistry of Somatic Embryogenesis. , 2016, , 471-494.		11
32	Integument cell differentiation in dandelions (Taraxacum, Asteraceae, Lactuceae) with special attention paid to plasmodesmata. Protoplasma, 2016, 253, 1365-1372.	2.1	11
33	Composition of the Reconstituted Cell Wall in Protoplast-Derived Cells of Daucus is Affected by Phytosulfokine (PSK). International Journal of Molecular Sciences, 2019, 20, 5490.	4.1	11
34	Cell Wall Epitopes and Endoploidy as Reporters of Embryogenic Potential in Brachypodium Distachyon Callus Culture. International Journal of Molecular Sciences, 2018, 19, 3811.	4.1	10
35	Tocopherols mutual balance is a key player for maintaining Arabidopsis thaliana growth under salt stress. Plant Physiology and Biochemistry, 2020, 156, 369-383.	5.8	10
36	The anatomy of the chi-chi of Ginkgo biloba suggests a mode of elongation growth that is an alternative to growth driven by an apical meristem. Journal of Plant Research, 2007, 120, 269-280.	2.4	9

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37	In Vitro Tissue Culture in Brachypodium: Applications and Challenges. International Journal of Molecular Sciences, 2020, 21, 1037.	4.1	9
38	Cell wall epitopes in grasses of different novel ecosystem habitats on postâ€industrial sites. Land Degradation and Development, 2021, 32, 1680-1694.	3.9	9
39	Stability and instability processes in the calli of Fagopyrum tataricum that have different morphogenic potentials. Plant Cell, Tissue and Organ Culture, 2019, 137, 343-357.	2.3	8
40	Cell Wall Composition as a Marker of the Reprogramming of the Cell Fate on the Example of a Daucus carota (L.) Hypocotyl in Which Somatic Embryogenesis Was Induced. International Journal of Molecular Sciences, 2020, 21, 8126.	4.1	8
41	Extracellular matrix and wall composition are diverse in the organogenic and non-organogenic calli of Actinidia arguta. Plant Cell Reports, 2020, 39, 779-798.	5.6	8
42	Symplasmic Isolation Contributes to Somatic Embryo Induction and Development in the Tree Fern Cyathea delgadii Sternb. Plant and Cell Physiology, 2020, 61, 1273-1284.	3.1	7
43	Pyranine labeled polymer nanoparticles as fluorescent markers for cell wall staining and imaging of movement within apoplast. Sensors and Actuators B: Chemical, 2019, 297, 126789.	7.8	6
44	Development of Embryo Suspensors for Five Genera of Crassulaceae with Special Emphasis on Plasmodesmata Distribution and Ultrastructure. Plants, 2020, 9, 320.	3.5	6
45	Morphological, Histological and Ultrastructural Changes in Hordeum vulgare (L.) Roots That Have Been Exposed to Negatively Charged Gold Nanoparticles. Applied Sciences (Switzerland), 2022, 12, 3265.	2.5	6
46	Vessel differentiation in isolated stem segments of Fraxinus excelsior L. after treatment with auxin. Acta Societatis Botanicorum Poloniae, 2014, 61, 343-357.	0.8	5
47	Similarities and Differences in the GFP Movement in the Zygotic and Somatic Embryos of Arabidopsis. Frontiers in Plant Science, 2021, 12, 649806.	3.6	3
48	Perception of gravity expressed by production of cambial callus in ash (Fraxinus excelsior L) internodes. Acta Societatis Botanicorum Poloniae, 2011, 72, 207-211.	0.8	1
49	Qualitative and quantitative analyses of the plasmodesmata that accompany cell fate changes during the somatic embryogenesis of Arabidopsis thaliana. Functional Plant Biology, 2021, , .	2.1	1
50	Ultrastructural Analysis and Three-Dimensional Reconstruction of Plasmodesmata. Methods in Molecular Biology, 2022, 2457, 75-94.	0.9	1
51	Analysis of the Distribution of Symplasmic Tracers During Zygotic and Somatic Embryogenesis. Methods in Molecular Biology, 2022, 2457, 351-365.	0.9	1
52	Germline development and seed set of metallophyte Biscutella laevigata L. (Brassicaceae). Flora: Morphology, Distribution, Functional Ecology of Plants, 2021, 274, 151752.	1.2	0