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List of Publications by Year in descending order

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85
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87
all docs

87
docs citations

87
times ranked

16373
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Electron Tomographic Analysis of Somatic Cell Plate Formation in Meristematic Cells of Arabidopsis Preserved by High-Pressure Freezing[W]. <i>Plant Cell</i> , 2004, 16, 836-856.	6.6	267
3	Human papillomavirus L1 protein expressed in tobacco chloroplasts self-assembles into virus-like particles that are highly immunogenic. <i>Plant Biotechnology Journal</i> , 2008, 6, 427-441.	8.3	125
4	Cell cycle-dependent changes in Golgi stacks, vacuoles, clathrin-coated vesicles and multivesicular bodies in meristematic cells of Arabidopsis thaliana: A quantitative and spatial analysis. <i>Planta</i> , 2006, 223, 223-236.	3.2	118
5	How microspores transform into haploid embryos: changes associated with embryogenesis induction and microspore-derived embryogenesis. <i>Physiologia Plantarum</i> , 2008, 134, 1-12.	5.2	111
6	Alcohol Exposure Alters the Expression Pattern of Neural Cell Adhesion Molecules During Brain Development. <i>Journal of Neurochemistry</i> , 2002, 75, 954-964.	3.9	95
7	Androgenesis Revisited. <i>Botanical Review</i> , The, 2010, 76, 377-404.	3.9	94
8	SCD1 is required for cell cytokinesis and polarized cell expansion in Arabidopsis thaliana. <i>Development (Cambridge)</i> , 2003, 130, 4011-4024.	2.5	93
9	Quantitative analysis of changes in spatial distribution and plus-end geometry of microtubules involved in plant-cell cytokinesis. <i>Journal of Cell Science</i> , 2005, 118, 3895-3903.	2.0	86
10	Androgenesis in recalcitrant solanaceous crops. <i>Plant Cell Reports</i> , 2011, 30, 765-778.	5.6	80
11	The Mitochondrial Cycle of Arabidopsis Shoot Apical Meristem and Leaf Primordium Meristematic Cells Is Defined by a Perinuclear Tentaculate/Cage-Like Mitochondrion. <i>Plant Physiology</i> , 2008, 148, 1380-1393.	4.8	72
12	Pathways to doubled haploidy: chromosome doubling during androgenesis. <i>Cytogenetic and Genome Research</i> , 2008, 120, 358-369.	1.1	72
13	Hsp70 and Hsp90 change their expression and subcellular localization after microspore embryogenesis induction in Brassica napus L.. <i>Journal of Structural Biology</i> , 2003, 142, 379-391.	2.8	71
14	Development of backcross generations and new interspecific hybrid combinations for introgression breeding in eggplant (Solanum melongena). <i>Scientia Horticulturae</i> , 2016, 213, 199-207.	3.6	66
15	Characterization of interspecific hybrids and first backcross generations from crosses between two cultivated eggplants (Solanum melongena and S. aethiopicum Kumba group) and implications for eggplant breeding. <i>Euphytica</i> , 2012, 186, 517-538.	1.2	63
16	Overexpression of plastidial thioredoxin f leads to enhanced starch accumulation in tobacco leaves. <i>Plant Biotechnology Journal</i> , 2013, 11, 618-627.	8.3	63
17	Embryogenesis induction, callogenesis, and plant regeneration by in vitro culture of tomato isolated microspores and whole anthers. <i>Journal of Experimental Botany</i> , 2007, 58, 1119-1132.	4.8	62
18	Evaluation of androgenic competence through anther culture in common eggplant and related species. <i>Euphytica</i> , 2011, 182, 261.	1.2	56

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19	Mitochondrial reticulation in shoot apical meristem cells of Arabidopsis provides a mechanism for homogenization of mtDNA prior to gamete formation. <i>Plant Signaling and Behavior</i> , 2009, 4, 168-171.	2.4	53
20	Defined Nuclear Changes Accompany the Reprogramming of the Microspore to Embryogenesis. <i>Journal of Structural Biology</i> , 2000, 129, 223-232.	2.8	49
21	Influence of the stage for anther excision and heterostyly in embryogenesis induction from eggplant anther cultures. <i>Euphytica</i> , 2012, 184, 235-250.	1.2	49
22	Unraveling Massive Crocins Transport and Accumulation through Proteome and Microscopy Tools during the Development of Saffron Stigma. <i>International Journal of Molecular Sciences</i> , 2017, 18, 76.	4.1	46
23	Chaperone-like properties of tobacco plastid thioredoxins f and m. <i>Journal of Experimental Botany</i> , 2012, 63, 365-379.	4.8	45
24	Mitogen-activated protein kinases are developmentally regulated during stress-induced microspore embryogenesis in <i>Brassica napus</i> L. <i>Histochemistry and Cell Biology</i> , 2005, 123, 541-551.	1.7	43
25	Comparison of six different methods to calculate cell densities. <i>Plant Methods</i> , 2018, 14, 30.	4.3	43
26	Differentiating plant cells switched to proliferation remodel the functional organization of nuclear domains. <i>Cytogenetic and Genome Research</i> , 2005, 109, 166-174.	1.1	41
27	MAPKs entry into the nucleus at specific interchromatin domains in plant differentiation and proliferation processes. <i>Journal of Structural Biology</i> , 2002, 140, 200-213.	2.8	38
28	Microspore-derived embryos from <i>Quercus suber</i> anthers mimic zygotic embryos and maintain haploidy in long-term anther culture. <i>Journal of Plant Physiology</i> , 2003, 160, 953-960.	3.5	38
29	Cell architecture during gametophytic and embryogenic microspore development in <i>Brassica napus</i> L.. <i>Acta Physiologiae Plantarum</i> , 2005, 27, 665-674.	2.1	36
30	Efficient production of callus-derived doubled haploids through isolated microspore culture in eggplant (<i>Solanum melongena</i> L.). <i>Euphytica</i> , 2012, 187, 47-61.	1.2	36
31	The protein kinases AtMAP3K1 and BnMAP3K1 are functional homologues of <i>S. pombe</i> cdc7p and may be involved in cell division. <i>Plant Journal</i> , 2001, 26, 637-649.	5.7	35
32	Stress treatments and in vitro culture conditions influence microspore embryogenesis and growth of callus from anther walls of sweet pepper (<i>Capsicum annuum</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 112, 353-360.	2.3	35
33	Novel features of <i>Brassica napus</i> embryogenic microspores revealed by high pressure freezing and freeze substitution: evidence for massive autophagy and excretion-based cytoplasmic cleaning. <i>Journal of Experimental Botany</i> , 2013, 64, 3061-3075.	4.8	34
34	Intracellular location, temporal expression, and polysialylation of neural cell adhesion molecule in astrocytes in primary culture. , 1998, 24, 415-427.		32
35	Androgenesis in Solanaceae. <i>Methods in Molecular Biology</i> , 2016, 1359, 209-244.	0.9	32
36	Meiotic metaphase I to telophase II as the most responsive stage during microspore development for callus induction in tomato (<i>Solanum lycopersicum</i>) anther cultures. <i>Acta Physiologiae Plantarum</i> , 2005, 27, 675-685.	2.1	29

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37	An efficient method for transformation of pre-androgenic, isolated <i>Brassica napus</i> microspores involving microprojectile bombardment and <i>Agrobacterium</i> -mediated transformation. <i>Acta Physiologiae Plantarum</i> , 2009, 31, 1313-1317.	2.1	29
38	Refining the method for eggplant microspore culture: effect of abscisic acid, epibrassinolide, polyethylene glycol, naphthaleneacetic acid, 6-benzylaminopurine and arabinogalactan proteins. <i>Euphytica</i> , 2014, 195, 369-382.	1.2	29
39	Tobacco plastidial thioredoxins as modulators of recombinant protein production in transgenic chloroplasts. <i>Plant Biotechnology Journal</i> , 2011, 9, 639-650.	8.3	27
40	Prenatal alcohol exposure affects galactosyltransferase activity and glycoconjugates in the Golgi apparatus of fetal rat hepatocytes. <i>Hepatology</i> , 1997, 25, 343-350.	7.3	26
41	A change of developmental program induces the remodeling of the interchromatin domain during microspore embryogenesis in <i>Brassica napus</i> L.. <i>Journal of Plant Physiology</i> , 2011, 168, 746-757.	3.5	26
42	Morphological markers to correlate bud and anther development with microsporogenesis and microgametogenesis in pepper (<i>Capsicum annuum</i> L.). <i>Acta Physiologiae Plantarum</i> , 2013, 35, 627-633.	2.1	26
43	Ultrastructural Immunolocalization of Arabinogalactan Protein, Pectin and Hemicellulose Epitopes Through Anther Development in <i>Brassica napus</i> . <i>Plant and Cell Physiology</i> , 2016, 57, 2161-2174.	3.1	25
44	Development and characterization of an eggplant (<i>Solanum melongena</i>) doubled haploid population and a doubled haploid line with high androgenic response. <i>Euphytica</i> , 2017, 213, 1.	1.2	23
45	The use of corms produced under storage at low temperatures as a source of explants for the in vitro propagation of saffron reduces contamination levels and increases multiplication rates. <i>Industrial Crops and Products</i> , 2013, 46, 97-104.	5.2	22
46	Improved regeneration of eggplant doubled haploids from microspore-derived calli through organogenesis. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 122, 759-765.	2.3	21
47	Induction of Embryogenesis in <i>Brassica Napus</i> Microspores Produces a Callosic Subintinal Layer and Abnormal Cell Walls with Altered Levels of Callose and Cellulose. <i>Frontiers in Plant Science</i> , 2015, 6, 1018.	3.6	20
48	Embryogenic competence of microspores is associated with their ability to form a callosic, osmoprotective subintinal layer. <i>Journal of Experimental Botany</i> , 2019, 70, 1267-1281.	4.8	20
49	Genetic, quantitative and microscopic evidence for fusion of haploid nuclei and growth of somatic calli in cultured ms10 35 tomato anthers. <i>Euphytica</i> , 2011, 178, 215-228.	1.2	19
50	Dynamics of Calcium during In vitro Microspore Embryogenesis and In vivo Microspore Development in <i>Brassica napus</i> and <i>Solanum melongena</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1177.	3.6	19
51	Dynamic Changes in Arabinogalactan-Protein, Pectin, Xyloglucan and Xylan Composition of the Cell Wall During Microspore Embryogenesis in <i>Brassica napus</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 332.	3.6	19
52	Plant Cytokinesis – Insights Gained from Electron Tomography Studies. <i>Plant Cell Monographs</i> , 2007, , 251-287.	0.4	18
53	Arginine Decarboxylase expression, polyamines biosynthesis and reactive oxygen species during organogenic nodule formation in hop. <i>Plant Signaling and Behavior</i> , 2011, 6, 258-269.	2.4	17
54	Production of doubled haploid plants from anther cultures of borage (<i>Borago officinalis</i> L.) by the application of chemical and physical stress. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 130, 369-378.	2.3	17

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55	Formation and excretion of autophagic plastids (plastolysomes) in <i>Brassica napus</i> embryogenic microspores. <i>Frontiers in Plant Science</i> , 2015, 6, 94.	3.6	16
56	Editorial: Doubled Haploidy in Model and Recalcitrant Species. <i>Frontiers in Plant Science</i> , 2015, 6, 1175.	3.6	15
57	Overview of In Vitro and In Vivo Doubled Haploid Technologies. <i>Methods in Molecular Biology</i> , 2021, 2287, 3-22.	0.9	14
58	Enhancing secondary embryogenesis in <i>Brassica napus</i> by selecting hypocotyl-derived embryos and using plant-derived smoke extract in culture medium. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 110, 307-315.	2.3	13
59	Induction of androgenesis and production of haploid embryos in anther cultures of borage (<i>Borago</i>) Tj ETQq1 1 0.784314 rgBT /Overl	2.3	11
60	Optimization of the conditions for production of synthetic seeds by encapsulation of axillary buds derived from minituber sprouts in potato (<i>Solanum tuberosum</i>). <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 126, 449-458.	2.3	11
61	Doubled Haploids in Eggplant. <i>Biology</i> , 2021, 10, 685.	2.8	10
62	Assessment of different anther culture approaches to produce doubled haploids in cucumber (<i>Cucumis sativus</i> L.). <i>Euphytica</i> , 2018, 214, 1.	1.2	9
63	Mitochondrial <i>Zea mays</i> Brittle1-1 Is a Major Determinant of the Metabolic Fate of Incoming Sucrose and Mitochondrial Function in Developing Maize Endosperms. <i>Frontiers in Plant Science</i> , 2019, 10, 242.	3.6	8
64	ANDROGENESIS INDUCTION FROM TOMATO ANTHER CULTURES: CALLUS CHARACTERIZATION. <i>Acta Horticulturae</i> , 2006, , 855-862.	0.2	7
65	Anther Culture in Pepper (<i>Capsicum annuum</i> L.). <i>Methods in Molecular Biology</i> , 2016, 1359, 467-474.	0.9	7
66	Species with Haploid or Doubled Haploid Protocols. <i>Methods in Molecular Biology</i> , 2021, 2287, 41-103.	0.9	7
67	A refined method for ovule culture in sugar beet (<i>Beta vulgaris</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 146, 259-267.	2.3	7
68	Quantitative and qualitative study of endogenous and exogenous growth regulators in eggplant (<i>Solanum melongena</i>) microspore cultures. <i>Plant Growth Regulation</i> , 2022, 96, 345-355.	3.4	7
69	Effects of growth conditions of donor plants and in vitro culture environment in the viability and the embryogenic response of microspores of different eggplant genotypes. <i>Euphytica</i> , 2020, 216, 1.	1.2	6
70	Cell Wall Composition and Structure Define the Developmental Fate of Embryogenic Microspores in <i>Brassica napus</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 737139.	3.6	6
71	Anther Culture in Eggplant (<i>Solanum melongena</i> L.). <i>Methods in Molecular Biology</i> , 2020, 2122, 283-293.	0.9	5
72	Doubled Haploid Production in High- and Low-Response Genotypes of Rapeseed (<i>Brassica napus</i>) Through Isolated Microspore Culture. <i>Methods in Molecular Biology</i> , 2021, 2288, 129-144.	0.9	4

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73	Effect of the genotype, explant source and culture medium in somatic embryogenesis and organogenesis in <i>Vaccaria hispanica</i> (Mill.) Rauschert. <i>Plant Cell, Tissue and Organ Culture</i> , 0, , 1.	2.3	4
74	Phenological phases of flowering in hop (<i>Humulus lupulus</i> L.) and their correspondence with microsporogenesis and microgametogenesis. <i>Scientia Horticulturae</i> , 2019, 256, 108639.	3.6	3
75	Production of Doubled Haploid Plants in Cucumber (<i>Cucumis sativus</i> L.) Through Anther Culture. <i>Methods in Molecular Biology</i> , 2021, 2289, 71-85.	0.9	2
76	Analysis of Ploidy in Haploids and Doubled Haploids. <i>Methods in Molecular Biology</i> , 2021, 2287, 105-125.	0.9	2
77	Evaluation of the androgenic competence of 66 wild Turkish <i>Vaccaria hispanica</i> (Mill.) Rauschert genotypes through microspore culture. <i>Plant Cell, Tissue and Organ Culture</i> , 2022, 148, 209-214.	2.3	2
78	Anther Culture in Sweet Pepper (<i>Capsicum annuum</i> L.). <i>Methods in Molecular Biology</i> , 2021, 2288, 279-291.	0.9	2
79	Isolated Microspore Culture in <i>Brassica napus</i> . <i>Methods in Molecular Biology</i> , 2020, 2122, 269-282.	0.9	2
80	Three-Dimensional Imaging for Electron Microscopy of Plastic-Embedded Plant Specimens. , 2015, , 135-151.		1
81	Anther and Isolated Microspore Culture in Eggplant (<i>Solanum melongena</i> L.). <i>Methods in Molecular Biology</i> , 2021, 2288, 235-250.	0.9	1
82	Anther Culture of Chickpea (<i>Cicer arietinum</i> L.). <i>Methods in Molecular Biology</i> , 2021, 2289, 289-299.	0.9	1
83	Electron Tomographic Analysis of the Assembly of cis-Golgi cisternae and of Cell Plates. <i>Microscopy and Microanalysis</i> , 2005, 11, .	0.4	0
84	Procedures for ADC Immunoblotting and Immunolocalization for Transmission Electron Microscopy During Organogenic Nodule Formation in Hop. <i>Methods in Molecular Biology</i> , 2018, 1694, 201-214.	0.9	0
85	Haploid Plant Production in Borage (<i>Borago officinalis</i> L.) by Anther Culture. <i>Methods in Molecular Biology</i> , 2021, 2289, 237-248.	0.9	0