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List of Publications by Year in descending order

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2,426
citations

201674

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times ranked

2144
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant Lipid Droplets and Their Associated Proteins: Potential for Rapid Advances. <i>Plant Physiology</i> , 2018, 176, 1894-1918.	4.8	194
2	Tapetosomes in Brassica Tapetum Accumulate Endoplasmic Reticulum-Derived Flavonoids and Alkanes for Delivery to the Pollen Surface. <i>Plant Cell</i> , 2007, 19, 582-596.	6.6	189
3	Endoplasmic Reticulum, Oleosins, and Oils in Seeds and Tapetum Cells. <i>Plant Physiology</i> , 2004, 136, 3427-3434.	4.8	184
4	Ubiquitous and Endoplasmic Reticulum-Localized Lysophosphatidyl Acyltransferase, LPAT2, Is Essential for Female but Not Male Gametophyte Development in Arabidopsis. <i>Plant Cell</i> , 2005, 17, 1073-1089.	6.6	183
5	Oleosin Isoforms of High and Low Molecular Weights Are Present in the Oil Bodies of Diverse Seed Species. <i>Plant Physiology</i> , 1990, 94, 1282-1289.	4.8	170
6	A Novel Group of Oleosins Is Present Inside the Pollen of Arabidopsis. <i>Journal of Biological Chemistry</i> , 2002, 277, 22677-22684.	3.4	154
7	Plastid Lysophosphatidyl Acyltransferase Is Essential for Embryo Development in Arabidopsis. <i>Plant Physiology</i> , 2004, 134, 1206-1216.	4.8	133
8	Constituents of the tapetosomes and elaioplasts in Brassica campestris tapetum and their degradation and retention during microsporogenesis. <i>Plant Journal</i> , 1998, 16, 541-551.	5.7	98
9	Abundant Type III Lipid Transfer Proteins in Arabidopsis Tapetum Are Secreted to the Locule and Become a Constituent of the Pollen Exine. <i>Plant Physiology</i> , 2013, 163, 1218-1229.	4.8	91
10	Oleosin genes in maize kernels having diverse oil contents are constitutively expressed independent of oil contents. <i>Planta</i> , 1996, 199, 158-65.	3.2	89
11	Lipid-rich tapetosomes in Brassica tapetum are composed of oleosin-coated oil droplets and vesicles, both assembled in and then detached from the endoplasmic reticulum. <i>Plant Journal</i> , 2005, 43, 889-899.	5.7	73
12	Oil Bodies and Oleosins in <i>Physcomitrella</i> Possess Characteristics Representative of Early Trends in Evolution. <i>Plant Physiology</i> , 2009, 150, 1192-1203.	4.8	73
13	Diacylglycerol Acyltransferase in Maturing Oil Seeds of Maize and Other Species. <i>Plant Physiology</i> , 1986, 82, 813-820.	4.8	72
14	Lipase in lipid bodies of cotyledons of rape and mustard seedlings. <i>Archives of Biochemistry and Biophysics</i> , 1983, 225, 360-369.	3.0	66
15	Cell Wall Reactive Proteins in the Coat and Wall of Maize Pollen. <i>Journal of Biological Chemistry</i> , 2003, 278, 43672-43681.	3.4	63
16	Oleosin of Subcellular Lipid Droplets Evolved in Green Algae. <i>Plant Physiology</i> , 2013, 161, 1862-1874.	4.8	63
17	Analyses of Advanced Rice Anther Transcriptomes Reveal Global Tapetum Secretory Functions and Potential Proteins for Lipid Exine Formation. <i>Plant Physiology</i> , 2009, 149, 694-707.	4.8	58
18	Bioinformatics Reveal Five Lineages of Oleosins and the Mechanism of Lineage Evolution Related to Structure/Function from Green Algae to Seed Plants. <i>Plant Physiology</i> , 2015, 169, 453-470.	4.8	56

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19	Steryl esters in the elaioplasts of the tapetum in developing Brassica anthers and their recovery on the pollen surface. <i>Lipids</i> , 1999, 34, 517-523.	1.7	52
20	Unique Motifs and Length of Hairpin in Oleosin Target the Cytosolic Side of Endoplasmic Reticulum and Budding Lipid Droplet. <i>Plant Physiology</i> , 2017, 174, 2248-2260.	4.8	51
21	Oleosin of Plant Seed Oil Bodies Is Correctly Targeted to the Lipid Bodies in Transformed Yeast. <i>Journal of Biological Chemistry</i> , 1997, 272, 3699-3706.	3.4	47
22	Brassica rapa Has Three Genes That Encode Proteins Associated with Different Neutral Lipids in Plastids of Specific Tissues. <i>Plant Physiology</i> , 2001, 126, 330-341.	4.8	41
23	Genetic dissection of the co-expression of genes encoding the two isoforms of oleosins in the oil bodies of maize kernel. <i>Plant Journal</i> , 1995, 7, 603-611.	5.7	36
24	Identification, subcellular localization, and developmental studies of oleosins in the anther of Brassica napus. <i>Plant Journal</i> , 1997, 11, 475-487.	5.7	36
25	The Maize Tapetum Employs Diverse Mechanisms to Synthesize and Store Proteins and Flavonoids and Transfer Them to the Pollen Surface. <i>Plant Physiology</i> , 2012, 158, 1548-1561.	4.8	36
26	Oleosins in the gametophytes of Pinus and Brassica and their phylogenetic relationship with those in the sporophytes of various species. <i>Planta</i> , 1994, 193, 461-9.	3.2	35
27	Immunogold Localization of the L3 Protein of Maize Lipid Bodies during Germination and Seedling Growth. <i>Plant Physiology</i> , 1988, 86, 270-274.	4.8	28
28	Tandem oleosin genes in a cluster acquired in Brassicaceae created tapetosomes and conferred additive benefit of pollen vigor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14480-14485.	7.1	22
29	Subcellular Lipid Droplets in Vanilla Leaf Epidermis and Avocado Mesocarp Are Coated with Oleosins of Distinct Phylogenic Lineages. <i>Plant Physiology</i> , 2016, 171, 1867-1878.	4.8	16
30	Oleosins and oil bodies in plant seeds have postulated structures. <i>Biochemical Journal</i> , 1996, 317, 956-958.	3.7	15
31	Oleosins and Endoplasmic Reticulum in Seeds and Anthers. <i>Plant Cell Monographs</i> , 2006, , 187-204.	0.4	1
32	Plant Peroxisomes: Discovery and Current Advances. , 1998, , 189-201.		1