

Thomas Dresselhaus

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,426
citations

566801

15
h-index

552369

26
g-index

27
all docs

27
docs citations

27
times ranked

1821
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Arabidopsis</i> pollen tube integrity and sperm release are regulated by RALF-mediated signaling. <i>Science</i> , 2017, 358, 1596-1600.	6.0	324
2	Male Sterility in Maize after Transient Heat Stress during the Tetrad Stage of Pollen Development. <i>Plant Physiology</i> , 2019, 181, 683-700.	2.3	139
3	Zygotic Genome Activation Occurs Shortly after Fertilization in Maize. <i>Plant Cell</i> , 2017, 29, 2106-2125.	3.1	127
4	Biotic and Abiotic Stress Responses in Crop Plants. <i>Agronomy</i> , 2018, 8, 267.	1.3	117
5	Cysteine-rich peptides promote interspecific genetic isolation in <i>Arabidopsis</i> . <i>Science</i> , 2019, 364, .	6.0	101
6	Epigenetic responses to abiotic stresses during reproductive development in cereals. <i>Plant Reproduction</i> , 2018, 31, 343-355.	1.3	75
7	Does Early Embryogenesis in Eudicots and Monocots Involve the Same Mechanism and Molecular Players?. <i>Plant Physiology</i> , 2017, 173, 130-142.	2.3	74
8	Flowering Time-Regulated Genes in Maize Include the Transcription Factor ZmMADS1. <i>Plant Physiology</i> , 2016, 172, 389-404.	2.3	70
9	RALF peptide signaling controls the polytubey block in <i>Arabidopsis</i> . <i>Science</i> , 2022, 375, 290-296.	6.0	65
10	Comparative transcriptomic analysis reveals conserved programmes underpinning organogenesis and reproduction in land plants. <i>Nature Plants</i> , 2021, 7, 1143-1159.	4.7	61
11	Fertilized egg cells secrete endopeptidases to avoid polytubey. <i>Nature</i> , 2021, 592, 433-437.	13.7	51
12	Germline Development and Fertilization Mechanisms in Maize. <i>Molecular Plant</i> , 2017, 10, 389-401.	3.9	46
13	Compared to Australian Cultivars, European Summer Wheat (<i>Triticum aestivum</i>) Overreacts When Moderate Heat Stress Is Applied at the Pollen Development Stage. <i>Agronomy</i> , 2018, 8, 99.	1.3	25
14	ARMADILLO REPEAT ONLY proteins confine Rho GTPase signalling to polar growth sites. <i>Nature Plants</i> , 2020, 6, 1275-1288.	4.7	24
15	Similarities between Reproductive and Immune Pistil Transcriptomes of <i>Arabidopsis</i> Species. <i>Plant Physiology</i> , 2017, 174, 1559-1575.	2.3	20
16	SUPPRESSOR OF FRIGIDA (SUF4) Supports Gamete Fusion via Regulating <i>Arabidopsis</i> <i>EC1</i> Gene Expression. <i>Plant Physiology</i> , 2017, 173, 155-166.	2.3	18
17	Critical Role of Transcript Cleavage in <i>Arabidopsis</i> RNA Polymerase II Transcriptional Elongation. <i>Plant Cell</i> , 2020, 32, 1449-1463.	3.1	18
18	Brassinosteroid signaling regulates female germline specification in <i>Arabidopsis</i> . <i>Current Biology</i> , 2022, 32, 1102-1114.e5.	1.8	16

#	ARTICLE	IF	CITATIONS
19	Focus on Flowering and Reproduction. <i>Plant Physiology</i> , 2017, 173, 1-4.	2.3	15
20	AtLURE1/PRK6-mediated signaling promotes conspecific micropylar pollen tube guidance. <i>Plant Physiology</i> , 2021, 186, 865-873.	2.3	9
21	KIL1 terminates fertility in maize by controlling silk senescence. <i>Plant Cell</i> , 2022, 34, 2852-2870.	3.1	9
22	Stigmatic ROS: regulator of compatible pollen tube perception?. <i>Trends in Plant Science</i> , 2021, 26, 993-995.	4.3	8
23	Transcriptomic and Proteomic Insights into <i>Amborella trichopoda</i> Male Gametophyte Functions. <i>Plant Physiology</i> , 2020, 184, 1640-1657.	2.3	7
24	Comparative analyses of angiosperm secretomes identify apoplastic pollen tube functions and novel secreted peptides. <i>Plant Reproduction</i> , 2021, 34, 47-60.	1.3	4
25	Overexpression of SUMO1 located predominately to euchromatin of dividing cells affects reproductive development in maize. <i>Plant Signaling and Behavior</i> , 2019, 14, e1588664.	1.2	2
26	Analysis of Epigenetic Modifications During Vegetative and Reproductive Development in Cereals Using Chromatin Immunoprecipitation (ChIP). <i>Methods in Molecular Biology</i> , 2020, 2072, 141-156.	0.4	1