

George Komis

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,733
citations

377584

21
h-index

488211

31
g-index

33
all docs

33
docs citations

33
times ranked

2389
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging plant cells and organs with light-sheet and super-resolution microscopy. <i>Plant Physiology</i> , 2022, 188, 683-702.	2.3	23
2	TALEN-Based HvMPK3 Knock-Out Attenuates Proteome and Root Hair Phenotypic Responses to flg22 in Barley. <i>Frontiers in Plant Science</i> , 2021, 12, 666229.	1.7	11
3	GR24, A Synthetic Strigolactone Analog, and Light Affect the Organization of Cortical Microtubules in Arabidopsis Hypocotyl Cells. <i>Frontiers in Plant Science</i> , 2021, 12, 675981.	1.7	9
4	Complementary Superresolution Visualization of Composite Plant Microtubule Organization and Dynamics. <i>Frontiers in Plant Science</i> , 2020, 11, 693.	1.7	8
5	Spatiotemporal Pattern of Ectopic Cell Divisions Contribute to Mis-Shaped Phenotype of Primary and Lateral Roots of katanin1 Mutant. <i>Frontiers in Plant Science</i> , 2020, 11, 734.	1.7	13
6	Phosphorylation of Plant Microtubule-Associated Proteins During Cell Division. <i>Frontiers in Plant Science</i> , 2019, 10, 238.	1.7	26
7	Multicolour three dimensional structured illumination microscopy of immunolabeled plant microtubules and associated proteins. <i>Plant Methods</i> , 2019, 15, 22.	1.9	39
8	Phosphorylation-Mediated Dynamics of Nitrate Transceptor NRT1.1 Regulate Auxin Flux and Nitrate Signaling in Lateral Root Growth. <i>Plant Physiology</i> , 2019, 181, 480-498.	2.3	86
9	Cell and Developmental Biology of Plant Mitogen-Activated Protein Kinases. <i>Annual Review of Plant Biology</i> , 2018, 69, 237-265.	8.6	79
10	Advances in Imaging Plant Cell Dynamics. <i>Plant Physiology</i> , 2018, 176, 80-93.	2.3	68
11	Multiscale imaging of plant development by light-sheet fluorescence microscopy. <i>Nature Plants</i> , 2018, 4, 639-650.	4.7	109
12	Advanced microscopy methods for bioimaging of mitotic microtubules in plants. <i>Methods in Cell Biology</i> , 2018, 145, 129-158.	0.5	26
13	Gene Expression Pattern and Protein Localization of Arabidopsis Phospholipase D Alpha 1 Revealed by Advanced Light-Sheet and Super-Resolution Microscopy. <i>Frontiers in Plant Science</i> , 2018, 9, 371.	1.7	49
14	Katanin Effects on Dynamics of Cortical Microtubules and Mitotic Arrays in Arabidopsis thaliana Revealed by Advanced Live-Cell Imaging. <i>Frontiers in Plant Science</i> , 2017, 8, 866.	1.7	73
15	Katanin: A Sword Cutting Microtubules for Cellular, Developmental, and Physiological Purposes. <i>Frontiers in Plant Science</i> , 2017, 8, 1982.	1.7	59
16	Monitoring protein phosphorylation by acrylamide pendant Phos-Tag in various plants. <i>Frontiers in Plant Science</i> , 2015, 6, 336.	1.7	15
17	Preparation of plants for developmental and cellular imaging by light-sheet microscopy. <i>Nature Protocols</i> , 2015, 10, 1234-1247.	5.5	104
18	Superresolution live imaging of plant cells using structured illumination microscopy. <i>Nature Protocols</i> , 2015, 10, 1248-1263.	5.5	76

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19	Transient plant transformation mediated by <i>Agrobacterium tumefaciens</i> : Principles, methods and applications. <i>Biotechnology Advances</i> , 2015, 33, 1024-1042.	6.0	151
20	Biotechnological aspects of cytoskeletal regulation in plants. <i>Biotechnology Advances</i> , 2015, 33, 1043-1062.	6.0	19
21	Developmental Nuclear Localization and Quantification of GFP-Tagged EB1c in <i>Arabidopsis</i> Root Using Light-Sheet Microscopy. <i>Frontiers in Plant Science</i> , 2015, 6, 1187.	1.7	36
22	Endosomal Interactions during Root Hair Growth. <i>Frontiers in Plant Science</i> , 2015, 6, 1262.	1.7	17
23	Salt-induced subcellular kinase relocation and seedling susceptibility caused by overexpression of <i>Medicago</i> SIMKK in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2014, 65, 2335-2350.	2.4	37
24	Crosstalk between secondary messengers, hormones and MAPK modules during abiotic stress signalling in plants. <i>Biotechnology Advances</i> , 2014, 32, 2-11.	6.0	201
25	Proteomic and Biochemical Analyses Show a Functional Network of Proteins Involved in Antioxidant Defense of the <i>Arabidopsis</i> <i>anp2anp3</i> Double Mutant. <i>Journal of Proteome Research</i> , 2014, 13, 5347-5361.	1.8	20
26	Dynamics and Organization of Cortical Microtubules as Revealed by Superresolution Structured Illumination Microscopy. <i>Plant Physiology</i> , 2014, 165, 129-148.	2.3	64
27	Involvement of <i>YODA</i> and mitogen activated protein kinase 6 in <i>Arabidopsis</i> post-embryogenic root development through auxin up-regulation and cell division plane orientation. <i>New Phytologist</i> , 2014, 203, 1175-1193.	3.5	118
28	Microtubules and mitogen-activated protein kinase signalling. <i>Current Opinion in Plant Biology</i> , 2011, 14, 650-657.	3.5	88
29	Phospholipase C signaling involvement in microtubule assembly and activation of the mechanism regulating protoplast volume in plasmolyzed root cells of <i>Triticum turgidum</i> . <i>New Phytologist</i> , 2008, 178, 267-282.	3.5	15
30	Microtubule-dependent protoplast volume regulation in plasmolysed root tip cells of <i>Triticum turgidum</i> : involvement of phospholipase D. <i>New Phytologist</i> , 2006, 171, 737-750.	3.5	35
31	Hyperosmotic Stress Induces Formation of Tubulin Microtubules in Root-Tip Cells of <i>Triticum turgidum</i> : Their Probable Involvement in Protoplast Volume Control. <i>Plant and Cell Physiology</i> , 2002, 43, 911-922.	1.5	59