

George Komis

List of Publications by Year in descending order

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31
papers

1,733
citations

331670
21
h-index

434195
31
g-index

33
all docs

33
docs citations

33
times ranked

2158
citing authors

#	ARTICLE	IF	CITATIONS
1	Crosstalk between secondary messengers, hormones and MAPK modules during abiotic stress signalling in plants. <i>Biotechnology Advances</i> , 2014, 32, 2-11.	11.7	201
2	Transient plant transformation mediated by <i>Agrobacterium tumefaciens</i> : Principles, methods and applications. <i>Biotechnology Advances</i> , 2015, 33, 1024-1042.	11.7	151
3	Involvement of <sc>YODA</sc> and mitogen activated protein kinase 6 in Arabidopsis postâ€embryonic root development through auxin upâ€regulation and cell division plane orientation. <i>New Phytologist</i> , 2014, 203, 1175-1193.	7.3	118
4	Multiscale imaging of plant development by light-sheet fluorescence microscopy. <i>Nature Plants</i> , 2018, 4, 639-650.	9.3	109
5	Preparation of plants for developmental and cellular imaging by light-sheet microscopy. <i>Nature Protocols</i> , 2015, 10, 1234-1247.	12.0	104
6	Microtubules and mitogen-activated protein kinase signalling. <i>Current Opinion in Plant Biology</i> , 2011, 14, 650-657.	7.1	88
7	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.	4.8	86
8	Cell and Developmental Biology of Plant Mitogen-Activated Protein Kinases. <i>Annual Review of Plant Biology</i> , 2018, 69, 237-265.	18.7	79
9	Superresolution live imaging of plant cells using structured illumination microscopy. <i>Nature Protocols</i> , 2015, 10, 1248-1263.	12.0	76
10	Katanin Effects on Dynamics of Cortical Microtubules and Mitotic Arrays in <i>Arabidopsis thaliana</i> Revealed by Advanced Live-Cell Imaging. <i>Frontiers in Plant Science</i> , 2017, 8, 866.	3.6	73
11	Advances in Imaging Plant Cell Dynamics. <i>Plant Physiology</i> , 2018, 176, 80-93.	4.8	68
12	Dynamics and Organization of Cortical Microtubules as Revealed by Superresolution Structured Illumination Microscopy Â. <i>Plant Physiology</i> , 2014, 165, 129-148.	4.8	64
13	Hyperosmotic Stress Induces Formation of Tubulin Macrotubules 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.	3.1	59
14	Katanin: A Sword Cutting Microtubules for Cellular, Developmental, and Physiological Purposes. <i>Frontiers in Plant Science</i> , 2017, 8, 1982.	3.6	59
15	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.	3.6	49
16	Multicolour three dimensional structured illumination microscopy of immunolabeled plant microtubules and associated proteins. <i>Plant Methods</i> , 2019, 15, 22.	4.3	39
17	Salt-induced subcellular kinase relocation and seedling susceptibility caused by overexpression of <i>Medicago</i> SIMKK in Arabidopsis. <i>Journal of Experimental Botany</i> , 2014, 65, 2335-2350.	4.8	37
18	Developmental Nuclear Localization and Quantification of GFP-Tagged EB1c in Arabidopsis Root Using Light-Sheet Microscopy. <i>Frontiers in Plant Science</i> , 2015, 6, 1187.	3.6	36

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19	Macrotubuleâ€dependent protoplast volume regulation in plasmolysed rootâ€tip cells of <i>Triticum turgidum</i> : involvement of phospholipase D. <i>New Phytologist</i> , 2006, 171, 737-750.	7.3	35
20	Advanced microscopy methods for bioimaging of mitotic microtubules in plants. <i>Methods in Cell Biology</i> , 2018, 145, 129-158.	1.1	26
21	Phosphorylation of Plant Microtubule-Associated Proteins During Cell Division. <i>Frontiers in Plant Science</i> , 2019, 10, 238.	3.6	26
22	Imaging plant cells and organs with light-sheet and super-resolution microscopy. <i>Plant Physiology</i> , 2022, 188, 683-702.	4.8	23
23	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.	3.7	20
24	Biotechnological aspects of cytoskeletal regulation in plants. <i>Biotechnology Advances</i> , 2015, 33, 1043-1062.	11.7	19
25	Endosomal Interactions during Root Hair Growth. <i>Frontiers in Plant Science</i> , 2015, 6, 1262.	3.6	17
26	Phospholipase C signaling involvement in macrotubule 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.	7.3	15
27	Monitoring protein phosphorylation by acrylamide pendant Phos-Tag in various plants. <i>Frontiers in Plant Science</i> , 2015, 6, 336.	3.6	15
28	Spatiotemporal Pattern of Ectopic Cell Divisions Contribute to Mis-Shaped Phenotype of Primary and Lateral Roots of <i>katanin1</i> Mutant. <i>Frontiers in Plant Science</i> , 2020, 11, 734.	3.6	13
29	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.	3.6	11
30	GR24, A Synthetic Strigolactone Analog, and Light Affect the Organization of Cortical Microtubules in <i>Arabidopsis</i> Hypocotyl Cells. <i>Frontiers in Plant Science</i> , 2021, 12, 675981.	3.6	9
31	Complementary Superresolution Visualization of Composite Plant Microtubule Organization and Dynamics. <i>Frontiers in Plant Science</i> , 2020, 11, 693.	3.6	8