

Daisuke Kurihara

List of Publications by Year in descending order

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48
papers

2,465
citations

331670

21
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254184

43
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54
all docs

54
docs citations

54
times ranked

2728
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Clearing of Plant Tissues for Fluorescence Imaging. Journal of Visualized Experiments, 2022, , .	0.3	1
2	ClearSeeAlpha: Advanced Optical Clearing for Whole-Plant Imaging. Plant and Cell Physiology, 2021, 62, 1302-1310.	3.1	32
3	Dynamics of the cell fate specifications during female gametophyte development in Arabidopsis. PLoS Biology, 2021, 19, e3001123.	5.6	26
4	The formation of perinucleolar bodies is important for normal leaf development and requires the zinc-binding DNA motif in Arabidopsis ASYMMETRIC LEAVES2. Plant Journal, 2020, 101, 1118-1134.	5.7	12
5	Arabidopsis GEX1 Is a Nuclear Membrane Protein of Gametes Required for Nuclear Fusion During Reproduction. Frontiers in Plant Science, 2020, 11, 548032.	3.6	9
6	A Peptide Pair Coordinates Regular Ovule Initiation Patterns with Seed Number and Fruit Size. Current Biology, 2020, 30, 4352-4361.e4.	3.9	41
7	Live-Cell Imaging of Zygotic Intracellular Structures and Early Embryo Pattern Formation in Arabidopsis thaliana. Methods in Molecular Biology, 2020, 2122, 37-47.	0.9	20
8	Mitochondrial dynamics and segregation during the asymmetric division of Arabidopsis zygotes. Quantitative Plant Biology, 2020, 1, .	2.0	11
9	Polar vacuolar distribution is essential for accurate asymmetric division of Arabidopsis zygotes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2338-2343.	7.1	71
10	Spatiotemporal deep imaging of syncytium induced by the soybean cyst nematode Heterodera glycines. Protoplasma, 2017, 254, 2107-2115.	2.1	19
11	&em>In Vitro&em> Ovule Cultivation for Live-cell Imaging of Zygote Polarization and Embryo Patterning in &em>Arabidopsis thaliana&em>. Journal of Visualized Experiments, 2017, , .	0.3	9
12	Fluorescent Labeling of the Cyst Nematode Heterodera glycines in Deep-Tissue Live Imaging. Cytologia, 2017, 82, 251-259.	0.6	0
13	Plant tissue clearing for fluorescence imaging. Plant Morphology, 2017, 29, 81-86.	0.1	2
14	Cytoskeleton dynamics control the first asymmetric cell division in Arabidopsis zygote. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14157-14162.	7.1	129
15	Combination of Synthetic Chemistry and Live-Cell Imaging Identified a Rapid Cell Division Inhibitor in Tobacco and Arabidopsis thaliana. Plant and Cell Physiology, 2016, 57, 2255-2268.	3.1	18
16	Plant Aurora kinases interact with and phosphorylate transcription factors. Journal of Plant Research, 2016, 129, 1165-1178.	2.4	8
17	Cytokinesis defect in BY-2 cells caused by ATP-competitive kinase inhibitors. Plant Signaling and Behavior, 2016, 11, e1238547.	2.4	1
18	Visualization of Plant Sexual Reproduction in the Whole-mount Pistil by ClearSee. Cytologia, 2016, 81, 1-2.	0.6	5

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19	Haspin has Multiple Functions in the Plant Cell Division Regulatory Network. <i>Plant and Cell Physiology</i> , 2016, 57, 848-861.	3.1	21
20	Live Imaging and Laser Disruption Reveal the Dynamics and Cell-Cell Communication During <i>Torenia fournieri</i> Female Gametophyte Development. <i>Plant and Cell Physiology</i> , 2015, 56, 1031-1041.	3.1	28
21	Two-photon imaging with longer wavelength excitation in intact <i>Arabidopsis</i> tissues. <i>Protoplasma</i> , 2015, 252, 1231-1240.	2.1	49
22	Live-Cell Imaging and Optical Manipulation of <i>Arabidopsis</i> Early Embryogenesis. <i>Developmental Cell</i> , 2015, 34, 242-251.	7.0	132
23	Rapid Elimination of the Persistent Synergid through a Cell Fusion Mechanism. <i>Cell</i> , 2015, 161, 907-918.	28.9	111
24	The carboxyl-terminal tail of the stalk of <i>Arabidopsis</i> NACK1/HINKEL kinesin is required for its localization to the cell plate formation site. <i>Journal of Plant Research</i> , 2015, 128, 327-336.	2.4	14
25	ClearSee: a rapid optical clearing reagent for whole-plant fluorescence imaging. <i>Development (Cambridge)</i> , 2015, 142, 4168-79.	2.5	436
26	Live imaging of calcium spikes during double fertilization in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2014, 5, 4722.	12.8	125
27	Fabrication of microcage arrays to fix plant ovules for long-term live imaging and observation. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 178-185.	7.8	15
28	Increase in Invaginated Vacuolar Membrane Structure Caused by Plant Cell Expansion by Genotoxic Stress Induced by DNA Double-Strand Breaks. <i>Cytologia</i> , 2014, 79, 467-474.	0.6	7
29	<i>In vivo</i> live-cell imaging in plant tissues by two-photon excitation microscopy. <i>Plant Morphology</i> , 2014, 26, 25-30.	0.1	0
30	Independent Control by Each Female Gamete Prevents the Attraction of Multiple Pollen Tubes. <i>Developmental Cell</i> , 2013, 25, 317-323.	7.0	133
31	Live-cell analysis of plant reproduction: Live-cell imaging, optical manipulation, and advanced microscopy technologies. <i>Development Growth and Differentiation</i> , 2013, 55, 462-473.	1.5	24
32	5PM3-PMN-003 Microcage arrays for fixation of plant ovules and long-term observation. <i>The Proceedings of the Symposium on Micro-Nano Science and Technology</i> , 2013, 2013.5, 49-50.	0.0	0
33	<i>Arabidopsis</i> ASYMMETRIC LEAVES2 protein required for leaf morphogenesis consistently forms speckles during mitosis of tobacco BY-2 cells via signals in its specific sequence. <i>Journal of Plant Research</i> , 2012, 125, 661-668.	2.4	20
34	Identification and characterization of plant Haspin kinase as a histone H3 threonine kinase. <i>BMC Plant Biology</i> , 2011, 11, 73.	3.6	36
35	Live-Cell Imaging Reveals the Dynamics of Two Sperm Cells during Double Fertilization in <i>Arabidopsis thaliana</i> . <i>Current Biology</i> , 2011, 21, 497-502.	3.9	187
36	Programmed induction of endoreduplication by DNA double-strand breaks in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10004-10009.	7.1	252

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37	Chemical Visualization of an Attractant Peptide, LURE. <i>Plant and Cell Physiology</i> , 2011, 52, 49-58.	3.1	27
38	Mitotic kinases regulate chromosome dynamics during mitosis. <i>Plant Morphology</i> , 2011, 23, 81-89.	0.1	0
39	Visualization of mitotic HeLa cells by advanced polarized light microscopy. <i>Micron</i> , 2008, 39, 635-638.	2.2	2
40	The Arabidopsis SDG4 contributes to the regulation of pollen tube growth by methylation of histone H3 lysines 4 and 36 in mature pollen. <i>Developmental Biology</i> , 2008, 315, 355-368.	2.0	109
41	Live Cell Imaging Reveals Plant Aurora Kinase Has Dual Roles During Mitosis. <i>Plant and Cell Physiology</i> , 2008, 49, 1256-1261.	3.1	31
42	Selective labeling of a single organelle by using two-photon conversion of a photoconvertible fluorescent protein. , 2008, , .		0
43	Tracking a Single Organelle with Two-Photon Protein Conversion. <i>Optics and Photonics News</i> , 2007, 18, 20.	0.5	11
44	Single-organelle tracking by two-photon conversion. <i>Optics Express</i> , 2007, 15, 2490.	3.4	46
45	PHB2 Protects Sister-Chromatid Cohesion in Mitosis. <i>Current Biology</i> , 2007, 17, 1356-1361.	3.9	44
46	Aurora kinase is required for chromosome segregation in tobacco BY-2 cells. <i>Plant Journal</i> , 2006, 48, 572-580.	5.7	72
47	Characterization of a Splicing Variant of Plant Aurora Kinase. <i>Plant and Cell Physiology</i> , 2006, 48, 369-374.	3.1	11
48	Characterization of plant Aurora kinases during mitosis. <i>Plant Molecular Biology</i> , 2005, 58, 1-13.	3.9	100