

Kazusato Oikawa

List of Publications by Year in descending order

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37
papers

2,686
citations

331670

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330143

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38
all docs

38
docs citations

38
times ranked

4518
citing authors

#	ARTICLE	IF	CITATIONS
1	Arabidopsis NPL1: A Phototropin Homolog Controlling the Chloroplast High-Light Avoidance Response. <i>Science</i> , 2001, 291, 2138-2141.	12.6	642
2	Chloroplast avoidance movement reduces photodamage in plants. <i>Nature</i> , 2002, 420, 829-832.	27.8	497
3	CHLOROPLAST UNUSUAL POSITIONING1 Is Essential for Proper Chloroplast Positioning. <i>Plant Cell</i> , 2003, 15, 2805-2815.	6.6	246
4	Highly Oxidized Peroxisomes Are Selectively Degraded via Autophagy in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 4967-4983.	6.6	195
5	Chloroplast Outer Envelope Protein CHUP1 Is Essential for Chloroplast Anchorage to the Plasma Membrane and Chloroplast Movement. <i>Plant Physiology</i> , 2008, 148, 829-842.	4.8	178
6	Physical interaction between peroxisomes and chloroplasts elucidated by in situ laser analysis. <i>Nature Plants</i> , 2015, 1, 15035.	9.3	118
7	Quality control of plant peroxisomes in organ specific manner via autophagy. <i>Journal of Cell Science</i> , 2014, 127, 1161-8.	2.0	105
8	Autophagy controls reactive oxygen species homeostasis in guard cells that is essential for stomatal opening. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19187-19192.	7.1	68
9	Sucrose Production Mediated by Lipid Metabolism Suppresses the Physical Interaction of Peroxisomes and Oil Bodies during Germination of <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 19734-19745.	3.4	64
10	Selective Gene Delivery for Integrating Exogenous DNA into Plastid and Mitochondrial Genomes Using Peptide-DNA Complexes. <i>Biomacromolecules</i> , 2018, 19, 1582-1591.	5.4	62
11	Golgi/plastid-type manganese superoxide dismutase involved in heat stress tolerance during grain filling of rice. <i>Plant Biotechnology Journal</i> , 2015, 13, 1251-1263.	8.3	53
12	Library screening of cell-penetrating peptide for BY-2 cells, leaves of <i>Arabidopsis</i> , tobacco, tomato, poplar, and rice callus. <i>Scientific Reports</i> , 2018, 8, 10966.	3.3	52
13	Crystallization-induced mechanofluorescence for visualization of polymer crystallization. <i>Nature Communications</i> , 2021, 12, 126.	12.8	50
14	Re-evaluation of physical interaction between plant peroxisomes and other organelles using live-cell imaging techniques. <i>Journal of Integrative Plant Biology</i> , 2019, 61, 836-852.	8.5	30
15	Dynamics of the Light-Dependent Transition of Plant Peroxisomes: Fig. 1. <i>Plant and Cell Physiology</i> , 2015, 56, 1264-1271.	3.1	29
16	Artificial Cell-Penetrating Peptide Containing Periodic β -Aminoisobutyric Acid with Long-Term Internalization Efficiency in Human and Plant Cells. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 3287-3298.	5.2	28
17	CHUP1 mediates actin-based light-induced chloroplast avoidance movement in the moss <i>Physcomitrella patens</i> . <i>Planta</i> , 2012, 236, 1889-1897.	3.2	27
18	Sucrose Starvation Induces Microautophagy in Plant Root Cells. <i>Frontiers in Plant Science</i> , 2019, 10, 1604.	3.6	27

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19	Golgi-to-plastid trafficking of proteins through secretory pathway: Insights into vesicle-mediated import toward the plastids. <i>Plant Signaling and Behavior</i> , 2016, 11, e1221558.	2.4	24
20	Screening of a Cell-Penetrating Peptide Library in <i>Escherichia coli</i> : Relationship between Cell Penetration Efficiency and Cytotoxicity. <i>ACS Omega</i> , 2018, 3, 16489-16499.	3.5	24
21	Optimized Method of Extracting Rice Chloroplast DNA for High-Quality Plastome Resequencing and de Novo Assembly. <i>Frontiers in Plant Science</i> , 2018, 9, 266.	3.6	24
22	HPLC-MS/MS Analyses Show That the Near-Starchless <i>aps1</i> and <i>pgm</i> Leaves Accumulate Wild Type Levels of ADPglucose: Further Evidence for the Occurrence of Important ADPglucose Biosynthetic Pathway(s) Alternative to the pPGI-pPGM-AGP Pathway. <i>PLoS ONE</i> , 2014, 9, e104997.	2.5	22
23	¹³ C-Glycomic and Microscopic Subcellular Localization Analyses of NPP1, 2 and 6 Strongly Indicate that trans-Golgi Compartments Participate in the Golgi to Plastid Traffic of Nucleotide Pyrophosphatase/Phosphodiesterases in Rice. <i>Plant and Cell Physiology</i> , 2016, 57, 1610-1628.	3.1	21
24	Visualization of the Necking Initiation and Propagation Processes during Uniaxial Tensile Deformation of Crystalline Polymer Films via the Generation of Fluorescent Radicals. <i>ACS Macro Letters</i> , 2021, 10, 623-627.	4.8	19
25	Plant autophagy is responsible for peroxisomal transition and plays an important role in the maintenance of peroxisomal quality. <i>Autophagy</i> , 2014, 10, 936-937.	9.1	14
26	Cell-Penetrating Peptide-Mediated Transformation of Large Plasmid DNA into <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2019, 8, 1215-1218.	3.8	14
27	Mitochondrial movement during its association with chloroplasts in <i>Arabidopsis thaliana</i> . <i>Communications Biology</i> , 2021, 4, 292.	4.4	13
28	Functional Analysis of Rice Long-Chain Acyl-CoA Synthetase 9 (OsLACS9) in the Chloroplast Envelope Membrane. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2223.	4.1	8
29	Imaging of the Entry Pathway of a Cell-Penetrating Peptide-DNA Complex From the Extracellular Space to Chloroplast Nucleoids Across Multiple Membranes in <i>Arabidopsis</i> Leaves. <i>Frontiers in Plant Science</i> , 2021, 12, 759871.	3.6	8
30	Synthetic Mitochondria-Targeting Peptides Incorporating β -Aminoisobutyric Acid with a Stable Amphiphilic Helix Conformation in Plant Cells. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1475-1484.	5.2	5
31	Quantification of the Adhesion Strength between Peroxisomes and Chloroplasts by Femtosecond Laser Technology. <i>Bio-protocol</i> , 2016, 6, .	0.4	4
32	Image-Based Analysis Revealing the Molecular Mechanism of Peroxisome Dynamics in Plants. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 883491.	3.7	4
33	Interaction between chaperone and protease functions of LON2, and autophagy during the functional transition of peroxisomes. <i>Plant Signaling and Behavior</i> , 2014, 9, e28838.	2.4	3
34	Proteomic Analysis of Rice Golgi Membranes Isolated by Floating Through Discontinuous Sucrose Density Gradient. <i>Methods in Molecular Biology</i> , 2018, 1696, 91-105.	0.9	3
35	Effects of mitochondria-selective fluorescent probes on mitochondrial movement in <i>Arabidopsis</i> mesophyll cells evaluated by using the quantification. <i>Plant Biotechnology</i> , 2021, 38, 257-262.	1.0	2
36	Measuring the Interactions between Peroxisomes and Chloroplasts by in situ Laser Analysis. <i>Bio-protocol</i> , 2016, 6, .	0.4	2

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37	Measurement of the Number of Peroxisomes. Bio-protocol, 2014, 4, .	0.4	1