Kazusato Oikawa

List of Publications by Year
in descending order

37 papers	2,686 citations	331670 21 h-index	330143 37 g-index
38 all docs	38 docs citations	38 times ranked	4518 citing authors

#	Article	IF	Citations
1	Image-Based Analysis Revealing the Molecular Mechanism of Peroxisome Dynamics in Plants. Frontiers in Cell and Developmental Biology, 2022, 10, 883491.	3.7	4
2	Crystallization-induced mechanofluorescence for visualization of polymer crystallization. Nature Communications, 2021, 12, 126.	12.8	50
3	Synthetic Mitochondria-Targeting Peptides Incorporating Î±-Aminoisobutyric Acid with a Stable Amphiphilic Helix Conformation in Plant Cells. ACS Biomaterials Science and Engineering, 2021, 7, 1475-1484.	5.2	5
4	Mitochondrial movement during its association with chloroplasts in Arabidopsis thaliana. Communications Biology, 2021, 4, 292.	4.4	13
5	Visualization of the Necking Initiation and Propagation Processes during Uniaxial Tensile Deformation of Crystalline Polymer Films via the Generation of Fluorescent Radicals. ACS Macro Letters, 2021, 10, 623-627.	4.8	19
6	Effects of mitochondria-selective fluorescent probes on mitochondrial movement in <i>Arabidopsis</i> mesophyll cells evaluated by using the quantification. Plant Biotechnology, 2021, 38, 257-262.	1.0	2
7	Imaging of the Entry Pathway of a Cell-Penetrating Peptideâ€“DNA Complex From the Extracellular Space to Chloroplast Nucleoids Across Multiple Membranes in Arabidopsis Leaves. Frontiers in Plant Science, 2021, 12, 759871.	3.6	8
8	Functional Analysis of Rice Long-Chain Acyl-CoA Synthetase 9 (OsLACS9) in the Chloroplast Envelope Membrane. International Journal of Molecular Sciences, 2020, 21, 2223.	4.1	8
9	Artificial Cell-Penetrating Peptide Containing Periodic Î±-Aminoisobutyric Acid with Long-Term Internalization Efficiency in Human and Plant Cells. ACS Biomaterials Science and Engineering, 2020, 6, 3287-3298.	5.2	28
10	Autophagy controls reactive oxygen species homeostasis in guard cells that is essential for stomatal opening. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19187-19192.	7.1	68
11	Cell-Penetrating Peptide-Mediated Transformation of Large Plasmid DNA into <i>Escherichia coli</i>. ACS Synthetic Biology, 2019, 8, 1215-1218.	3.8	14
12	Reâ€evaluation of physical interaction between plant peroxisomes and other organelles using liveâ€cell imaging techniques. Journal of Integrative Plant Biology, 2019, 61, 836-852.	8.5	30
13	Sucrose Starvation Induces Microautophagy in Plant Root Cells. Frontiers in Plant Science, 2019, 10, 1604.	3.6	27
14	Selective Gene Delivery for Integrating Exogenous DNA into Plastid and Mitochondrial Genomes Using Peptideâ€“DNA Complexes. Biomacromolecules, 2018, 19, 1582-1591.	5.4	62
15	Proteomic Analysis of Rice Golgi Membranes Isolated by Floating Through Discontinuous Sucrose Density Gradient. Methods in Molecular Biology, 2018, 1696, 91-105.	0.9	3
16	Screening of a Cell-Penetrating Peptide Library in <i>Escherichia coli</i>: Relationship between Cell Penetration Efficiency and Cytotoxicity. ACS Omega, 2018, 3, 16489-16499.	3.5	24
17	Optimized Method of Extracting Rice Chloroplast DNA for High-Quality Plastome Resequencing and de Novo Assembly. Frontiers in Plant Science, 2018, 9, 266.	3.6	24
18	Library screening of cell-penetrating peptide for BY-2 cells, leaves of Arabidopsis, tobacco, tomato, poplar, and rice callus. Scientific Reports, 2018, 8, 10966.	3.3	52

#	Article	IF	Citations
19	Golgi-to-plastid trafficking of proteins through secretory pathway: Insights into vesicle-mediated import toward the plastids. Plant Signaling and Behavior, 2016, 11, e1221558.	2.4	24
20	Sucrose Production Mediated by Lipid Metabolism Suppresses the Physical Interaction of Peroxisomes and Oil Bodies during Germination of Arabidopsis thaliana. Journal of Biological Chemistry, 2016, 291, 19734-19745.	3.4	64
21	<i>N</i>-Glycomic and Microscopic Subcellular Localization Analyses of NPP1, 2 and 6 Strongly Indicate that<i>trans</i>-Golgi Compartments Participate in the Golgi to Plastid Traffic of Nucleotide Pyrophosphatase/Phosphodiesterases in Rice. Plant and Cell Physiology, 2016, 57, 1610-1628.	3.1	21
22	Measuring the Interactions between Peroxisomes and Chloroplasts by in situ Laser Analysis. Bio-protocol, 2016, 6, .	0.4	2
23	Quantification of the Adhesion Strength between Peroxisomes and Chloroplasts by Femtosecond Laser Technology. Bio-protocol, 2016, 6, .	0.4	4
24	Physical interaction between peroxisomes and chloroplasts elucidated by in situ laser analysis. Nature Plants, 2015, 1, 15035.	9.3	118
25	Golgi/plastidâ€type manganese superoxide dismutase involved in heatâ€stress tolerance during grain filling of rice. Plant Biotechnology Journal, 2015, 13, 1251-1263.	8.3	53
26	Dynamics of the Light-Dependent Transition of Plant Peroxisomes: Fig. 1. Plant and Cell Physiology, 2015, 56, 1264-1271.	3.1	29
27	Plant autophagy is responsible for peroxisomal transition and plays an important role in the maintenance of peroxisomal quality. Autophagy, 2014, 10, 936-937.	9.1	14
28	Quality control of plant peroxisomes in organ specific manner via autophagy. Journal of Cell Science, 2014, 127, 1161-8.	2.0	105
29	Interaction between chaperone and protease functions of LON2, and autophagy during the functional transition of peroxisomes. Plant Signaling and Behavior, 2014, 9, e28838.	2.4	3
30	HPLC-MS/MS Analyses Show That the Near-Starchless aps1 and pgm 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. PLoS ONE, 2014, 9, e104997.	2.5	22
31	Measurement of the Number of Peroxisomes. Bio-protocol, 2014, 4, .	0.4	1
32	Highly Oxidized Peroxisomes Are Selectively Degraded via Autophagy in <i>Arabidopsis</i>. Plant Cell, 2013, 25, 4967-4983.	6.6	195
33	CHUP1 mediates actin-based light-induced chloroplast avoidance movement in the moss Physcomitrella patens. Planta, 2012, 236, 1889-1897.	3.2	27
34	Chloroplast Outer Envelope Protein CHUP1 Is Essential for Chloroplast Anchorage to the Plasma Membrane and Chloroplast Movement Â. Plant Physiology, 2008, 148, 829-842.	4.8	178
35	CHLOROPLAST UNUSUAL POSITIONING1 Is Essential for Proper Chloroplast Positioning. Plant Cell, 2003, 15, 2805-2815.	6.6	246
36	Chloroplast avoidance movement reduces photodamage in plants. Nature, 2002, 420, 829-832.	27.8	497

#	Article	IF	Citations
37	Arabidopsis NPL1: A Phototropin Homolog Controlling the Chloroplast High-Light Avoidance Response. Science, 2001, 291, 2138-2141.	12.6	642