Takehito Inaba

List of Publications by Year
in descending order

37	1,562	331670 21	330143 37
papers	citations	h-index	g-index

38	38	38	1898
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coordination of Plastid Protein Import and Nuclear Gene Expression by Plastid-to-Nucleus Retrograde Signaling. Plant Physiology, 2009, 151, 1339-1353.	4.8	152
2	Gravitropism ofArabidopsis thalianaRoots Requires the Polarization of PIN2 toward the Root Tip in Meristematic Cortical Cells Â. Plant Cell, 2010, 22, 1762-1776.	6.6	130
3	Arabidopsis Tic110 Is Essential for the Assembly and Function of the Protein Import Machinery of Plastids. Plant Cell, 2005, 17, 1482-1496.	6.6	125
4	Arabidopsis Cor15am Is a Chloroplast Stromal Protein That Has Cryoprotective Activity and Forms Oligomers. Plant Physiology, 2007, 144, 513-523.	4.8	121
5	atTic110 Functions as a Scaffold for Coordinating the Stromal Events of Protein Import into Chloroplasts. Journal of Biological Chemistry, 2003, 278, 38617-38627.	3.4	112
6	Protein trafficking to plastids: one theme, many variations. Biochemical Journal, 2008, 413, 15-28.	3.7	108
7	A novel class of plant-specific zinc-dependent DNA-binding protein that binds to A/T-rich DNA sequences. Nucleic Acids Research, 2001, 29, 4097-4105.	14.5	81
8	Ubiquitin-Proteasome Dependent Regulation of the GOLDEN2-LIKE 1 Transcription Factor in Response to Plastid Signals. Plant Physiology, 2017, 173, 524-535.	4.8	74
9	Versatile Roles of Plastids in Plant Growth and Development. Plant and Cell Physiology, 2010, 51, 1847-1853.	3.1	60
10	Identification and characterization of Cor413im proteins as novel components of the chloroplast inner envelope. Plant, Cell and Environment, 2008, 31, 1470-1483.	5.7	58
11	Distinct Localization of Two Closely Related Ypt3/Rab11 Proteins on the Trafficking Pathway in Higher Plants. Journal of Biological Chemistry, 2002, 277, 9183-9188.	3.4	57
12	Evaluation of the Protective Activities of a Late Embryogenesis Abundant (LEA) Related Protein, Cor15am, during Various Stressesin Vitro. Bioscience, Biotechnology and Biochemistry, 2008, 72, 1642-1645.	1.3	46
13	Trihelix DNA-binding Protein with Specificities for Two Distinctcis-Elements. Journal of Biological Chemistry, 2001, 276, 22238-22243.	3.4	44
14	Specific and Efficient Targeting of Cyanobacterial Bicarbonate Transporters to the Inner Envelope Membrane of Chloroplasts in Arabidopsis. Frontiers in Plant Science, 2016, 7, 16.	3.6	37
15	Bilateral Communication between Plastid and the Nucleus: Plastid Protein Import and Plastid-to-Nucleus Retrograde Signaling. Bioscience, Biotechnology and Biochemistry, 2010, 74, 471-476.	1.3	33
16	Retrograde Signaling Pathway from Plastid to Nucleus. International Review of Cell and Molecular Biology, 2011, 290, 167-204.	3.2	31
17	Plastid signalling under multiple conditions is accompanied by a common defect in RNA editing in plastids. Journal of Experimental Botany, 2012, 63, 251-260.	4.8	31
18	Identification of a cis-Regulatory Element Involved in Phytochrome Down-Regulated Expression of the Pea Small GTPase Gene pra21. Plant Physiology, 1999, 120, 491-500.	4.8	27

#	Article	IF	Citations
19	DE1, a 12-Base Pair cis-Regulatory Element Sufficient to Confer Dark-inducible and Light Down-regulated Expression to a Minimal Promoter in Pea. Journal of Biological Chemistry, 2000, 275, 19723-19727.	3.4	27
20	Targeting of a polytopic membrane protein to the inner envelope membrane of chloroplasts in vivo involves multiple transmembrane segments. Journal of Experimental Botany, 2014, 65, 5257-5265.	4.8	26
21	What is critical for plant thermogenesis? Differences in mitochondrial activity and protein expression between thermogenic and non-thermogenic skunk cabbages. Planta, 2009, 231, 121-130.	3.2	22
22	Developmental changes and organelle biogenesis in the reproductive organs of thermogenic skunk cabbage (Symplocarpus renifolius). Journal of Experimental Botany, 2009, 60, 3909-3922.	4.8	21
23	Loss of inner-envelope K+/H+ exchangers impairs plastid rRNA maturation and gene expression. Plant Cell, 2021, 33, 2479-2505.	6.6	19
24	Alternative Oxidase Capacity of Mitochondria in Microsporophylls May Function in Cycad Thermogenesis. Plant Physiology, 2019, 180, 743-756.	4.8	18
25	Ubiquitinâ€“Proteasome-Dependent Regulation of Bidirectional Communication between Plastids and the Nucleus. Frontiers in Plant Science, 2017, 8, 310.	3.6	17
26	Molecular Identity of Uncoupling Proteins in Thermogenic Skunk Cabbage. Plant and Cell Physiology, 2008, 49, 1911-1916.	3.1	13
27	The gene expression landscape of thermogenic skunk cabbage suggests critical roles for mitochondrial and vacuolar metabolic pathways in the regulation of thermogenesis. Plant, Cell and Environment, 2012, 35, 554-566.	5.7	12
28	Salicylic Acid Acts Antagonistically to Plastid Retrograde Signaling by Promoting the Accumulation of Photosynthesis-associated Proteins in Arabidopsis. Plant and Cell Physiology, 2021, 62, 1728-1744.	3.1	12
29	Characterization of two PEBP genes, SrFT and SrMFT, in thermogenic skunk cabbage (Symplocarpus) Tj ETQq1 1 0.784314 rgBT /Ove	3.3	10
30	New insights into the retrograde signaling pathway between the plastids and the nucleus. Plant Signaling and Behavior, 2010, 5, 196-199.	2.4	9
31	Induction of TOC and TIC genes during photomorphogenesis is mediated primarily by cryptochrome 1 in Arabidopsis. Scientific Reports, 2020, 10, 20255.	3.3	7
32	Production of viable seeds from the seedling lethal mutant ppi2-2 lacking the atToc159 chloroplast protein import receptor using plastic containers, and characterization of the homozygous mutant progeny. Frontiers in Plant Science, 2014, 5, 243.	3.6	5
33	Installation of authentic BicA and SbtA proteins to the chloroplast envelope membrane is achieved by the proteolytic cleavage of chimeric proteins in Arabidopsis. Scientific Reports, 2020, 10, 2353.	3.3	5
34	Establishing an efficient protoplast transient expression system for investigation of floral thermogenesis in aroids. Plant Cell Reports, 2022, 41, 263-275.	5.6	5
35	Isolation and Gene Expression Analysis of a Papain-Type Cysteine Protease in Thermogenic Skunk Cabbage (Symplocarpus renifolius). Bioscience, Biotechnology and Biochemistry, 2012, 76, 1990-1992.	1.3	2
36	Investigating Localization of Chimeric Transporter Proteins within Chloroplasts of Arabidopsis thaliana. Bio-protocol, 2018, 8, e2723.	0.4	2

#	Article	IF	Citations
37	Energetic Manipulation of Chloroplast Protein Import and the Use of Chemical Cross-Linkers to Map Proteinâ€“Protein Interactions. Methods in Molecular Biology, 2011, 774, 307-320.	0.9	2