

Sachihiro Matsunaga

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

194
papers

5,081
citations

40
h-index

63
g-index

207
ext. papers

5,954
ext. citations

4.3
avg, IF

5.42
L-index

#	Paper	IF	Citations
194	Improved clearing method contributes to deep imaging of plant organs.. <i>Communications Biology</i> , 2022 , 5, 12	6.7	1
193	Next Generation Sequence-based Technologies for Analyzing DNA Strand Breaks. <i>Cytologia</i> , 2021 , 86, 3-9	0.9	
192	Thiazoline-related innate fear stimuli orchestrate hypothermia and anti-hypoxia via sensory TRPA1 activation. <i>Nature Communications</i> , 2021 , 12, 2074	17.4	5
191	A live imaging system to analyze spatiotemporal dynamics of RNA polymerase II modification in <i>Arabidopsis thaliana</i> . <i>Communications Biology</i> , 2021 , 4, 580	6.7	0
190	A Photosynthetic Animal: A Sacoglossan Sea Slug that Steals Chloroplasts. <i>Cytologia</i> , 2021 , 86, 103-107	0.9	1
189	An anchoring complex recruits katanin for microtubule severing at the plant cortical nucleation sites. <i>Nature Communications</i> , 2021 , 12, 3687	17.4	4
188	SQAP, an acyl sulfoquinovosyl derivative, suppresses expression of histone deacetylase and induces cell death of cancer cells under hypoxic conditions. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021 , 85, 85-91	2.1	1
187	Common architectures in cyanobacteria <i>Prochlorococcus</i> cells visualized by X-ray diffraction imaging using X-ray free electron laser. <i>Scientific Reports</i> , 2021 , 11, 3877	4.9	2
186	Components of the Nuclear Pore Complex are Rising Stars in the Formation of a Subnuclear Platform of Chromatin Organization beyond Their Structural Role as a Nuclear Gate. <i>Cytologia</i> , 2021 , 86, 183-187	0.9	
185	Synthetic Carbon Fixation: Conversion of Heterotrophs into Autotrophs by Calvin-Benson-Bassham Cycle Induction. <i>Cytologia</i> , 2021 , 86, 277-281	0.9	0
184	Whole-Tissue Three-Dimensional Imaging of Rice at Single-Cell Resolution.. <i>International Journal of Molecular Sciences</i> , 2021 , 23,	6.3	1
183	Deep Imaging Analysis in VISUAL Reveals the Role of YABBY Genes in Vascular Stem Cell Fate Determination. <i>Plant and Cell Physiology</i> , 2020 , 61, 255-264	4.9	8
182	Mitotic Karyotype of the Primitive Red Alga <i>Cyanidioschyzon merolae</i> 10D. <i>Cytologia</i> , 2020 , 85, 107-113	0.9	4
181	Roles of BRAHMA and Its Interacting Partners in Plant Chromatin Remodeling. <i>Cytologia</i> , 2020 , 85, 263-267		2
180	Plant regeneration by epigenetic priming. <i>Plant Morphology</i> , 2020 , 32, 53-57	0	
179	Two combinatorial patterns of telomere histone marks in plants with canonical and non-canonical telomere repeats. <i>Plant Journal</i> , 2020 , 102, 678-687	6.9	6
178	Visualization of extracellular vesicles in the regenerating caudal fin blastema of zebrafish using <i>in vivo</i> electroporation. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 533, 1371-1377	3.4	2

177	Subnuclear gene positioning through lamina association affects copper tolerance. <i>Nature Communications</i> , 2020 , 11, 5914	17.4	16
176	The formation of perinucleolar bodies is important for normal leaf development and requires the zinc-finger DNA-binding motif in Arabidopsis ASYMMETRIC LEAVES2. <i>Plant Journal</i> , 2020 , 101, 1118-1134	6.9	6
175	Characterization of DNA Repair Foci in Root Cells of in Response to DNA Damage. <i>Frontiers in Plant Science</i> , 2019 , 10, 990	6.2	10
174	To regenerate or not to regenerate: factors that drive plant regeneration. <i>Current Opinion in Plant Biology</i> , 2019 , 47, 138-150	9.9	26
173	Plant condensin II is required for the correct spatial relationship between centromeres and rDNA arrays. <i>Nucleus</i> , 2019 , 10, 116-125	3.9	8
172	Acetic Acid Treatment Enhances Drought Avoidance in Cassava (Crantz). <i>Frontiers in Plant Science</i> , 2019 , 10, 521	6.2	24
171	The SMC5/6 Complex Subunit NSE4A Is Involved in DNA Damage Repair and Seed Development. <i>Plant Cell</i> , 2019 , 31, 1579-1597	11.6	20
170	Primed histone demethylation regulates shoot regenerative competency. <i>Nature Communications</i> , 2019 , 10, 1786	17.4	25
169	Heat and chilling stress induce nucleolus morphological changes. <i>Journal of Plant Research</i> , 2019 , 132, 395-403	2.6	8
168	LSD1-LIKE1-Mediated H3K4me2 Demethylation Is Required for Homologous Recombination Repair. <i>Plant Physiology</i> , 2019 , 181, 499-509	6.6	8
167	Abnormal leaf development of rpt5a mutant under zinc deficiency reveals important role of DNA damage alleviation for normal leaf development. <i>Scientific Reports</i> , 2019 , 9, 9369	4.9	4
166	Intracellular localization of histone deacetylase HDA6 in plants. <i>Journal of Plant Research</i> , 2019 , 132, 629-640	2.6	4
165	Pyrenocine A induces monopolar spindle formation and suppresses proliferation of cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 115149	3.4	4
164	The 26S Proteasome Is Required for the Maintenance of Root Apical Meristem by Modulating Auxin and Cytokinin Responses Under High-Boron Stress. <i>Frontiers in Plant Science</i> , 2019 , 10, 590	6.2	9
163	Seasonal and Diurnal Regulation of Flowering via an Epigenetic Mechanism in Arabidopsis thaliana. <i>Cytologia</i> , 2019 , 84, 3-8	0.9	3
162	The Progression of Xylem Vessel Cell Differentiation is Dependent on the Activity Level of VND7 in. <i>Plants</i> , 2019 , 9,	4.5	5
161	2A Peptides Contribute to the Co-Expression of Proteins for Imaging and Genome Editing. <i>Cytologia</i> , 2019 , 84, 107-111	0.9	1
160	Lysine-Specific Demethylase Epigenetically Regulates Human and Plant Phenomena. <i>Cytologia</i> , 2019 , 84, 295-298	0.9	2

159	aurora kinase phosphorylates evolutionarily conserved sites on its target to regulate mitochondrial division. <i>Communications Biology</i> , 2019 , 2, 477	6.7	0
158	Homologous pairing activities of Arabidopsis thaliana RAD51 and DMC1. <i>Journal of Biochemistry</i> , 2019 , 165, 289-295	3.1	5
157	Insights into cortical microtubule nucleation and dynamics in leaf cells. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	6
156	A NIN-LIKE PROTEIN mediates nitrate-induced control of root nodule symbiosis in Lotus japonicus. <i>Nature Communications</i> , 2018 , 9, 499	17.4	77
155	Characterization of somatic embryogenesis initiated from the Arabidopsis shoot apex. <i>Developmental Biology</i> , 2018 , 442, 13-27	3.1	20
154	Convolutional Neural Network-Based Automatic Classification for Algal Morphogenesis. <i>Cytologia</i> , 2018 , 83, 301-305	0.9	4
153	Planimal Cells: Artificial Photosynthetic Animal Cells Inspired by Endosymbiosis and Photosynthetic Animals. <i>Cytologia</i> , 2018 , 83, 3-6	0.9	4
152	Proteasomal degradation of BRAHMA promotes Boron tolerance in Arabidopsis. <i>Nature Communications</i> , 2018 , 9, 5285	17.4	26
151	Imaging with Split Fluorescent Proteins Based on the Reconstruction of Separated Asymmetric Protein Fragments. <i>Cytologia</i> , 2018 , 83, 347-350	0.9	1
150	Chromosomal Rearrangement: From Induction by Heavy-Ion Irradiation to in Vivo Engineering by Genome Editing. <i>Cytologia</i> , 2018 , 83, 125-128	0.9	4
149	Auxin decreases chromatin accessibility through the TIR1/AFBs auxin signaling pathway in proliferative cells. <i>Scientific Reports</i> , 2018 , 8, 7773	4.9	14
148	RAD54 forms DNA repair foci in response to DNA damage in living plant cells. <i>Plant Journal</i> , 2017 , 90, 372-382	6.9	21
147	Live imaging of H3K9 acetylation in plant cells. <i>Scientific Reports</i> , 2017 , 7, 45894	4.9	7
146	Interspecies hormonal control of host root morphology by parasitic plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 5283-5288	11.5	53
145	Direct quantitative evaluation of disease symptoms on living plant leaves growing under natural light. <i>Breeding Science</i> , 2017 , 67, 316-319	2	6
144	FISH with Padlock Probes Can Efficiently Reveal the Genomic Position of Low or Single-Copy DNA Sequences. <i>Cytologia</i> , 2017 , 82, 337-339	0.9	1
143	Computational Synteny Analysis Promotes a Better Understanding of Chromosome Evolution. <i>Cytologia</i> , 2017 , 82, 101-104	0.9	1
142	An ion beam-induced Arabidopsis mutant with marked chromosomal rearrangement. <i>Journal of Radiation Research</i> , 2017 , 58, 772-781	2.4	3

141	Acetate-mediated novel survival strategy against drought in plants. <i>Nature Plants</i> , 2017 , 3, 17097	11.5	129
140	Visualization of Chromatin Loci with Transiently Expressed CRISPR/Cas9 in Plants. <i>Cytologia</i> , 2017 , 82, 559-562	0.9	11
139	Hi-C Revolution: From a Snapshot of DNA-DNA Interaction in a Single Cell to Chromosome-Scale De Novo Genome Assembly. <i>Cytologia</i> , 2017 , 82, 223-226	0.9	3
138	Tissue-dependency of the impact of endoreduplication on cell size. <i>Plant Morphology</i> , 2017 , 29, 87-90	0	1
137	Double-Membrane-Bounded Organelles: Recent Findings Regarding Division, Inheritance, Structure, and Evolution of the Nucleus, Mitochondria, and Chloroplasts 2017 , 205-233		
136	Coherent X-ray Diffraction Imaging of <i>Cyanidioschyzon merolae</i> 2017 , 153-173		
135	Deep Imaging of Plant Roots by a Rapid Transparency Technique TOMEI. <i>Cytologia</i> , 2017 , 82, 221-222	0.9	3
134	A Plant Ancestral Polo-Like Kinase Sheds Light on the Mystery of the Evolutionary Disappearance of Polo-Like Kinases in the Plant Kingdom. <i>Cytologia</i> , 2017 , 82, 261-266	0.9	4
133	Visualization of specific repetitive genomic sequences with fluorescent TALEs in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016 , 67, 6101-6110	7	29
132	Three-Dimensional, Live-Cell Imaging of Chromatin Dynamics in Plant Nuclei Using Chromatin Tagging Systems. <i>Methods in Molecular Biology</i> , 2016 , 1469, 189-95	1.4	2
131	Mapping of T-DNA and Ac/Ds by TAIL-PCR to Analyze Chromosomal Rearrangements. <i>Methods in Molecular Biology</i> , 2016 , 1469, 207-16	1.4	4
130	FISH Is in the Limelight Again As More Than a Cytogenetical Technique for Metaphase Chromosomes. <i>Cytologia</i> , 2016 , 81, 3-6	0.9	8
129	The coordination of ploidy and cell size differs between cell layers in leaves. <i>Development (Cambridge)</i> , 2016 , 143, 1120-5	6.6	44
128	TPR5 is involved in directional cell division and is essential for the maintenance of meristem cell organization in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016 , 67, 2401-11	7	7
127	Three-Dimensional Imaging of Plant Organs Using a Simple and Rapid Transparency Technique. <i>Plant and Cell Physiology</i> , 2016 , 57, 462-72	4.9	62
126	Chromatin Live Imaging with Genome Editing Techniques: Switching from Scissors to a Lamp. <i>Cytologia</i> , 2016 , 81, 359-362	0.9	8
125	Chromatin Tagging Systems Contribute to Live Imaging Analyses for Chromatin Dynamics. <i>Cytologia</i> , 2016 , 81, 121-123	0.9	7
124	Which Is a Reliable Approach in the Generation of Artificial Minichromosomes, Bottom-Up or Top-Down?. <i>Cytologia</i> , 2016 , 81, 251-256	0.9	1

123	Dynamics of plant DNA replication based on PCNA visualization. <i>Scientific Reports</i> , 2016 , 6, 29657	4.9	26
122	Plant Aurora kinases interact with and phosphorylate transcription factors. <i>Journal of Plant Research</i> , 2016 , 129, 1165-1178	2.6	6
121	Cryogenic coherent x-ray diffraction imaging for biological non-crystalline particles using the KOTOBUKI-1 diffraction apparatus at SACLA. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015 , 48, 184003	1.3	27
120	DNA double-strand breaks alter the spatial arrangement of homologous loci in plant cells. <i>Scientific Reports</i> , 2015 , 5, 11058	4.9	20
119	Novel anticancer agent, SQAP, binds to focal adhesion kinase and modulates its activity. <i>Scientific Reports</i> , 2015 , 5, 15136	4.9	12
118	Coherent X-Ray Diffraction Imaging of Chloroplasts from <i>Cyanidioschyzon merolae</i> by Using X-Ray Free Electron Laser. <i>Plant and Cell Physiology</i> , 2015 , 56, 1272-86	4.9	45
117	Chromophore-assisted laser inactivation--towards a spatiotemporal-functional analysis of proteins, and the ablation of chromatin, organelle and cell function. <i>Journal of Cell Science</i> , 2014 , 127, 1621-9	5.3	38
116	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	0.9	7
115	Nuclei and Chromosomes 2014 , 1-24		
114	Genome Structure of <i>Jatropha curcas</i> L. 2013 , 563-576		3
113	New insights into the dynamics of plant cell nuclei and chromosomes. <i>International Review of Cell and Molecular Biology</i> , 2013 , 305, 253-301	6	25
112	Application of visualization techniques for cell and tissue engineering. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 115, 122-6	3.3	12
111	Cytokinins control endocycle onset by promoting the expression of an APC/C activator in <i>Arabidopsis</i> roots. <i>Current Biology</i> , 2013 , 23, 1812-7	6.3	74
110	The Organization of Genomic DNA in Mitotic Chromosomes: A Novel View 2013 , 33-44		
109	The kinesin-like protein TOP promotes Aurora localisation and induces mitochondrial, chloroplast and nuclear division. <i>Journal of Cell Science</i> , 2013 , 126, 2392-400	5.3	12
108	ASURA (PHB2) interacts with Scc1 through chromatin. <i>Cytogenetic and Genome Research</i> , 2013 , 139, 225-33		1
107	KOTOBUKI-1 apparatus for cryogenic coherent X-ray diffraction imaging. <i>Review of Scientific Instruments</i> , 2013 , 84, 093705	1.7	32
106	The boundary of the meristematic and elongation zones in roots: endoreduplication precedes rapid cell expansion. <i>Scientific Reports</i> , 2013 , 3, 2723	4.9	76

105	Spatiotemporal knockdown analyses with live cell imaging and optical techniques. <i>Plant Morphology</i> , 2013 , 25, 51-54	0	
104	Active learning framework with iterative clustering for bioimage classification. <i>Nature Communications</i> , 2012 , 3, 1032	17.4	36
103	RBMX: a regulator for maintenance and centromeric protection of sister chromatid cohesion. <i>Cell Reports</i> , 2012 , 1, 299-308	10.6	55
102	Roles of GIG1 and UVI4 in genome duplication in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2012 , 7, 1079-81	2.5	8
101	Assembly states of the nucleosome assembly protein 1 (NAP-1) revealed by sedimentation velocity and non-denaturing MS. <i>Biochemical Journal</i> , 2011 , 436, 101-12	3.8	17
100	Aurora Kinase of the Red Alga <i>Cyanidioschyzon merolae</i> is Related to Both Mitochondrial Division and Mitotic Spindle Formation. <i>Cytologia</i> , 2011 , 76, 455-462	0.9	9
99	ASURA (PHB2) Is Required for Kinetochore Assembly and Subsequent Chromosome Congression. <i>Acta Histochemica Et Cytochemica</i> , 2011 , 44, 247-58	1.9	5
98	Identification and characterization of plant Haspin kinase as a histone H3 threonine kinase. <i>BMC Plant Biology</i> , 2011 , 11, 73	5.3	25
97	Sequence analysis of the genome of an oil-bearing tree, <i>Jatropha curcas</i> L. <i>DNA Research</i> , 2011 , 18, 65-76	4.5	245
96	Condensin II alleviates DNA damage and is essential for tolerance of boron overload stress in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2011 , 23, 3533-46	11.6	96
95	GIGAS CELL1, a novel negative regulator of the anaphase-promoting complex/cyclosome, is required for proper mitotic progression and cell fate determination in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2011 , 23, 4382-93	11.6	85
94	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, 10004-9	11.5	196
93	The nuclear scaffold protein SAF-A is required for kinetochore-microtubule attachment and contributes to the targeting of Aurora-A to mitotic spindles. <i>Journal of Cell Science</i> , 2011 , 124, 394-404	5.3	18
92	The MAP kinase MPK4 is required for cytokinesis in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2010 , 22, 3778-90	11.6	138
91	The chromosome peripheral proteins play an active role in chromosome dynamics. <i>Biomolecular Concepts</i> , 2010 , 1, 157-64	3.7	6
90	The middle region of an HP1-binding protein, HP1-BP74, associates with linker DNA at the entry/exit site of nucleosomal DNA. <i>Journal of Biological Chemistry</i> , 2010 , 285, 6498-507	5.4	18
89	Sex Chromosome Evolution Revealed by Physical Mapping of SLAP3X/Y in the Dioecious Plant <i>Silene latifolia</i> . <i>Cytologia</i> , 2010 , 75, 319-325	0.9	10
88	INTRACELLULAR MANIPULATION BY FEMTOSECOND LASERS: REVIEW. <i>Journal of Innovative Optical Health Sciences</i> , 2009 , 02, 1-8	1.2	6

87	A nucleolar protein RRS1 contributes to chromosome congression. <i>FEBS Letters</i> , 2009 , 583, 1951-6	3.8	28
86	Nucleophosmin is required for chromosome congression, proper mitotic spindle formation, and kinetochore-microtubule attachment in HeLa cells. <i>FEBS Letters</i> , 2008 , 582, 3839-44	3.8	39
85	In vivo manipulation of fluorescently labeled organelles in living cells by multiphoton excitation. <i>Journal of Biomedical Optics</i> , 2008 , 13, 031213	3.5	13
84	The use of repetitive DNA in cytogenetic studies of plant sex chromosomes. <i>Cytogenetic and Genome Research</i> , 2008 , 120, 247-54	1.9	7
83	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, 355-68	3.1	80
82	The Y chromosome-specific STS marker MS2 and its peripheral regions on the Y chromosome of the dioecious plant <i>Silene latifolia</i> . <i>Genome</i> , 2008 , 51, 251-60	2.4	8
81	Live cell imaging reveals plant aurora kinase has dual roles during mitosis. <i>Plant and Cell Physiology</i> , 2008 , 49, 1256-61	4.9	27
80	Depletion of nucleophosmin leads to distortion of nucleolar and nuclear structures in HeLa cells. <i>Biochemical Journal</i> , 2008 , 415, 345-51	3.8	78
79	Visualization of mitotic HeLa cells by advanced polarized light microscopy. <i>Micron</i> , 2008 , 39, 635-8	2.3	2
78	Functional analyses of human nucleolar protein, Nucleophosmin. <i>FASEB Journal</i> , 2008 , 22, 267-267	0.9	
77	Development of a multistage classifier for a monitoring system of cell activity based on imaging of chromosomal dynamics. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2007 , 71, 286-96	4.6	16
76	Crystal structure of <i>Pyrococcus horikoshii</i> PPC protein at 1.60 Å resolution. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007 , 67, 505-7	4.2	9
75	A comparative proteome analysis of human metaphase chromosomes isolated from two different cell lines reveals a set of conserved chromosome-associated proteins. <i>Genes To Cells</i> , 2007 , 12, 269-84	2.3	44
74	PHB2 protects sister-chromatid cohesion in mitosis. <i>Current Biology</i> , 2007 , 17, 1356-61	6.3	38
73	Characterization of a splicing variant of plant Aurora kinase. <i>Plant and Cell Physiology</i> , 2007 , 48, 369-74	4.9	10
72	Tracking a Single Organelle with Two-Photon Protein Conversion. <i>Optics and Photonics News</i> , 2007 , 18, 20	1.9	9
71	Single-organelle tracking by two-photon conversion. <i>Optics Express</i> , 2007 , 15, 2490-8	3.3	39
70	Histone H2A mobility is regulated by its tails and acetylation of core histone tails. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 357, 627-32	3.4	23

69	Fibrillarin, a nucleolar protein, is required for normal nuclear morphology and cellular growth in HeLa cells. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 360, 320-6	3.4	50
68	H1.X with different properties from other linker histones is required for mitotic progression. <i>FEBS Letters</i> , 2007 , 581, 3783-8	3.8	34
67	Nucleolin functions in nucleolus formation and chromosome congression. <i>Journal of Cell Science</i> , 2007 , 120, 2091-105	5.3	101
66	Intracellular Nanosurgery Using Near-Infrared Ultrashort Laser Pulses. <i>The Review of Laser Engineering</i> , 2007 , 35, 448-452	0	
65	Males evolved from the dominant isogametic mating type. <i>Current Biology</i> , 2006 , 16, R1018-20	6.3	68
64	Calreticulin as a new histone binding protein in mitotic chromosomes. <i>Cytogenetic and Genome Research</i> , 2006 , 115, 10-5	1.9	13
63	Stimulated parametric emission microscopy. <i>Optics Express</i> , 2006 , 14, 786-93	3.3	34
62	Nanosurgery of sub-cellular organelles in living cells using a femtosecond laser oscillator 2006 , 6108, 7		
61	Sex chromosome-linked genes in plants. <i>Genes and Genetic Systems</i> , 2006 , 81, 219-26	1.4	28
60	Aurora kinase is required for chromosome segregation in tobacco BY-2 cells. <i>Plant Journal</i> , 2006 , 48, 572-80	6.9	62
59	Accumulation of chloroplast DNA sequences on the Y chromosome of <i>Silene latifolia</i> . <i>Genetica</i> , 2006 , 128, 167-75	1.5	51
58	Generation of monoclonal antibodies against chromosomal antigens that have a high sequence similarity between human and mouse. <i>Journal of Biotechnology</i> , 2005 , 120, 262-72	3.7	2
57	Intracellular disruption of mitochondria in a living HeLa cell with a 76-MHz femtosecond laser oscillator. <i>Optics Express</i> , 2005 , 13, 9869-80	3.3	59
56	Femtosecond laser manipulation of subcellular organelles in living cells 2005 , 5863, 28		
55	An anther- and petal-specific gene SIMF1 is a multicopy gene with homologous sequences on sex chromosomes. <i>Genes and Genetic Systems</i> , 2005 , 80, 395-401	1.4	8
54	An upper limit of the ratio of DNA volume to nuclear volume exists in plants. <i>Genes and Genetic Systems</i> , 2005 , 80, 345-50	1.4	14
53	Femtosecond laser disruption of mitochondria in living cells. <i>Medical Laser Application: International Journal for Laser Treatment and Research</i> , 2005 , 20, 185-191		21
52	Characterization and dynamic analysis of Arabidopsis condensin subunits, AtCAP-H and AtCAP-H2. <i>Planta</i> , 2005 , 222, 293-300	4.7	23

51	Ultrastructural analysis of the behavior of the dimorphic fungus <i>Microbotryum violaceum</i> in fungus-induced anthers of female <i>Silene latifolia</i> flowers. <i>Protoplasma</i> , 2005 , 226, 207-16	3.4	14
50	Characterization of plant Aurora kinases during mitosis. <i>Plant Molecular Biology</i> , 2005 , 58, 1-13	4.6	88
49	Crystallization and preliminary X-ray crystallographic analysis of a conserved domain in plants and prokaryotes from <i>Pyrococcus horikoshii</i> OT3. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005 , 61, 414-6		5
48	Multi-Spectral Two-Photon Excited Fluorescence Microscopy Using Supercontinuum Light Source. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, L167-L169	1.4	41
47	Proteome analysis of human metaphase chromosomes. <i>Journal of Biological Chemistry</i> , 2005 , 280, 16994-17004	5.7	98
46	Sex-specific cell division during development of unisexual flowers in the dioecious plant <i>Silene latifolia</i> . <i>Plant and Cell Physiology</i> , 2004 , 45, 795-802	4.9	20
45	Protein composition of human metaphase chromosomes analyzed by two-dimensional electrophoreses. <i>Cytogenetic and Genome Research</i> , 2004 , 107, 49-54	1.9	15
44	MOLECULAR DIVERGENCE AND CHARACTERIZATION OF TWO CHLOROPLAST DIVISION GENES, FTSZ1 AND FTSZ2, IN THE UNICELLULAR GREEN ALGA NANNOCHLORIS BACILLARIS (CHLOROPHYTA)1. <i>Journal of Phycology</i> , 2004 , 40, 546-556	3	16
43	Development of new dosimetry using extended DNA fibers. <i>Journal of Bioscience and Bioengineering</i> , 2004 , 98, 384-6	3.3	2
42	A novel transfection method for mammalian cells using calcium alginate microbeads. <i>Journal of Bioscience and Bioengineering</i> , 2004 , 97, 191-5	3.3	26
41	Characterization of two SEPALLATA MADS-box genes from the dioecious plant <i>Silene latifolia</i> . <i>Sexual Plant Reproduction</i> , 2004 , 17, 189-193		15
40	Obtaining transgenic plants using the bio-active beads method. <i>Journal of Plant Research</i> , 2004 , 117, 95-9	2.6	19
39	Identification of a novel plant MAR DNA binding protein localized on chromosomal surfaces. <i>Plant Molecular Biology</i> , 2004 , 56, 225-39	4.6	72
38	Femtosecond laser disruption of subcellular organelles in a living cell. <i>Optics Express</i> , 2004 , 12, 4203-13	3.3	173
37	An <i>Arabidopsis thaliana</i> Gene on the Yeast Artificial Chromosome Can Be Transcribed in Tobacco Cells. <i>Cytologia</i> , 2004 , 69, 235-240	0.9	6
36	Application of the Bio-Active Beads Method in Rice Transformation. <i>Plant Biotechnology</i> , 2004 , 21, 303-306		5
35	Duplicative transfer of a MADS box gene to a plant Y chromosome. <i>Molecular Biology and Evolution</i> , 2003 , 20, 1062-9	8.3	72
34	CCLS96.1, a member of a multicopy gene family, may encode a non-coding RNA preferentially transcribed in reproductive organs of <i>Silene latifolia</i> . <i>DNA Research</i> , 2003 , 10, 213-20	4.5	18

33	Isolation and characterization of two homeodomain leucine zipper genes from the dioecious plant <i>Silene latifolia</i> . <i>Genes and Genetic Systems</i> , 2003 , 78, 353-61	1.4	6
32	Transformation of yeast using calcium alginate microbeads with surface-immobilized chromosomal DNA. <i>BioTechniques</i> , 2003 , 35, 734-6, 738-40	2.5	17
31	Morphological development of anthers induced by the dimorphic smut fungus <i>Microbotryum violaceum</i> in female flowers of the dioecious plant <i>Silene latifolia</i> . <i>Planta</i> , 2003 , 218, 240-8	4.7	57
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29	Distribution of interstitial telomere-like repeats and their adjacent sequences in a dioecious plant, <i>Silene latifolia</i> . <i>Chromosoma</i> , 2002 , 111, 313-20	2.8	16
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