

Sachihiro Matsunaga

List of Publications by Year in descending order

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202
papers

6,646
citations

57758

44
h-index

82547

72
g-index

209
all docs

209
docs citations

209
times ranked

6894
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved clearing method contributes to deep imaging of plant organs. <i>Communications Biology</i> , 2022, 5, 12.	4.4	17
2	Sustained defense response via volatile signaling and its epigenetic transcriptional regulation. <i>Plant Physiology</i> , 2022, 189, 922-933.	4.8	8
3	Whole-Tissue Three-Dimensional Imaging of Rice at Single-Cell Resolution. <i>International Journal of Molecular Sciences</i> , 2022, 23, 40.	4.1	5
4	Natural and Artificial Photosymbiosis in Vertebrates. <i>Cytologia</i> , 2022, 87, 69-72.	0.6	1
5	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.	1.3	3
6	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.	3.3	8
7	Next Generation Sequence-based Technologies for Analyzing DNA Strand Breaks. <i>Cytologia</i> , 2021, 86, 3-9.	0.6	0
8	Thiazoline-related innate fear stimuli orchestrate hypothermia and anti-hypoxia via sensory TRPA1 activation. <i>Nature Communications</i> , 2021, 12, 2074.	12.8	14
9	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.	4.4	5
10	A Photosynthetic Animal: A Sacoglossan Sea Slug that Steals Chloroplasts. <i>Cytologia</i> , 2021, 86, 103-107.	0.6	2
11	An anchoring complex recruits katanin for microtubule severing at the plant cortical nucleation sites. <i>Nature Communications</i> , 2021, 12, 3687.	12.8	18
12	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.	0.6	2
13	Synthetic Carbon Fixation: Conversion of Heterotrophs into Autotrophs by Calvin-Benson-Bassham Cycle Induction. <i>Cytologia</i> , 2021, 86, 277-281.	0.6	1
14	The formation of perinucleolar bodies is important for normal leaf development and requires the zinc-finger DNA-binding motif in <i>Arabidopsis</i> ASYMMETRIC LEAVES2. <i>Plant Journal</i> , 2020, 101, 1118-1134.	5.7	12
15	The Progression of Xylem Vessel Cell Differentiation is Dependent on the Activity Level of VND7 in <i>Arabidopsis thaliana</i> . <i>Plants</i> , 2020, 9, 39.	3.5	7
16	Two combinatorial patterns of telomere histone marks in plants with canonical and non-canonical telomere repeats. <i>Plant Journal</i> , 2020, 102, 678-687.	5.7	18
17	Visualization of extracellular vesicles in the regenerating caudal fin blastema of zebrafish using in vivo electroporation. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 1371-1377.	2.1	6
18	Subnuclear gene positioning through lamina association affects copper tolerance. <i>Nature Communications</i> , 2020, 11, 5914.	12.8	37

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19	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.	3.1	14
20	Mitotic Karyotype of the Primitive Red Alga <i>Cyanidioschyzon merolae</i> 10D. <i>Cytologia</i> , 2020, 85, 107-113.	0.6	6
21	Roles of BRAHMA and Its Interacting Partners in Plant Chromatin Remodeling. <i>Cytologia</i> , 2020, 85, 263-267.	0.6	5
22	Plant regeneration by epigenetic priming. <i>Plant Morphology</i> , 2020, 32, 53-57.	0.1	0
23	LSD1-LIKE1-Mediated H3K4me2 Demethylation Is Required for Homologous Recombination Repair. <i>Plant Physiology</i> , 2019, 181, 499-509.	4.8	16
24	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.	3.3	13
25	Intracellular localization of histone deacetylase HDA6 in plants. <i>Journal of Plant Research</i> , 2019, 132, 629-640.	2.4	7
26	Pyrenocine A induces monopolar spindle formation and suppresses proliferation of cancer cells. <i>Biorganic and Medicinal Chemistry</i> , 2019, 27, 115149.	3.0	8
27	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.	3.6	15
28	Characterization of DNA Repair Foci in Root Cells of Arabidopsis in Response to DNA Damage. <i>Frontiers in Plant Science</i> , 2019, 10, 990.	3.6	23
29	To regenerate or not to regenerate: factors that drive plant regeneration. <i>Current Opinion in Plant Biology</i> , 2019, 47, 138-150.	7.1	85
30	Plant condensin II is required for the correct spatial relationship between centromeres and rDNA arrays. <i>Nucleus</i> , 2019, 10, 116-125.	2.2	16
31	Acetic Acid Treatment Enhances Drought Avoidance in Cassava (<i>Manihot esculenta</i> Crantz). <i>Frontiers in Plant Science</i> , 2019, 10, 521.	3.6	65
32	The SMC5/6 Complex Subunit NSE4A Is Involved in DNA Damage Repair and Seed Development. <i>Plant Cell</i> , 2019, 31, 1579-1597.	6.6	27
33	Primed histone demethylation regulates shoot regenerative competency. <i>Nature Communications</i> , 2019, 10, 1786.	12.8	52
34	Heat and chilling stress induce nucleolus morphological changes. <i>Journal of Plant Research</i> , 2019, 132, 395-403.	2.4	14
35	2A Peptides Contribute to the Co-Expression of Proteins for Imaging and Genome Editing. <i>Cytologia</i> , 2019, 84, 107-111.	0.6	4
36	Lysine-Specific Demethylase Epigenetically Regulates Human and Plant Phenomena. <i>Cytologia</i> , 2019, 84, 295-298.	0.6	3

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37	Cyanidioschyzon merolae aurora kinase phosphorylates evolutionarily conserved sites on its target to regulate mitochondrial division. <i>Communications Biology</i> , 2019, 2, 477.	4.4	3
38	Homologous pairing activities of <i>Arabidopsis thaliana</i> RAD51 and DMC1. <i>Journal of Biochemistry</i> , 2019, 165, 289-295.	1.7	11
39	Seasonal and Diurnal Regulation of Flowering <i>via</i> an Epigenetic Mechanism in <i>Arabidopsis thaliana</i> . <i>Cytologia</i> , 2019, 84, 3-8.	0.6	3
40	Insights into cortical microtubule nucleation and dynamics in <i>Arabidopsis</i> leaf cells. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	11
41	A NIN-LIKE PROTEIN mediates nitrate-induced control of root nodule symbiosis in <i>Lotus japonicus</i> . <i>Nature Communications</i> , 2018, 9, 499.	12.8	144
42	Characterization of somatic embryogenesis initiated from the <i>Arabidopsis</i> shoot apex. <i>Developmental Biology</i> , 2018, 442, 13-27.	2.0	33
43	Convolutional Neural Network-Based Automatic Classification for Algal Morphogenesis. <i>Cytologia</i> , 2018, 83, 301-305.	0.6	7
44	Planimal Cells: Artificial Photosynthetic Animal Cells Inspired by Endosymbiosis and Photosynthetic Animals. <i>Cytologia</i> , 2018, 83, 3-6.	0.6	7
45	Proteasomal degradation of BRAHMA promotes Boron tolerance in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2018, 9, 5285.	12.8	43
46	Imaging with Split Fluorescent Proteins Based on the Reconstruction of Separated Asymmetric Protein Fragments. <i>Cytologia</i> , 2018, 83, 347-350.	0.6	1
47	Chromosomal Rearrangement: From Induction by Heavy-Ion Irradiation to <i>in Vivo</i> Engineering by Genome Editing. <i>Cytologia</i> , 2018, 83, 125-128.	0.6	4
48	Auxin decreases chromatin accessibility through the TIR1/AFBs auxin signaling pathway in proliferative cells. <i>Scientific Reports</i> , 2018, 8, 7773.	3.3	23
49	<i>RAD54</i> forms <i>DNA</i> repair foci in response to <i>DNA</i> damage in living plant cells. <i>Plant Journal</i> , 2017, 90, 372-382.	5.7	35
50	Live imaging of H3K9 acetylation in plant cells. <i>Scientific Reports</i> , 2017, 7, 45894.	3.3	15
51	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.	7.1	82
52	An ion beam-induced <i>Arabidopsis</i> mutant with marked chromosomal rearrangement. <i>Journal of Radiation Research</i> , 2017, 58, 772-781.	1.6	3
53	Acetate-mediated novel survival strategy against drought in plants. <i>Nature Plants</i> , 2017, 3, 17097.	9.3	232
54	Visualization of Chromatin Loci with Transiently Expressed CRISPR/Cas9 in Plants. <i>Cytologia</i> , 2017, 82, 559-562.	0.6	24

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55	Hi-C Revolution: From a Snapshot of DNA–DNA Interaction in a Single Cell to Chromosome-Scale <i>De Novo</i> Genome Assembly. <i>Cytologia</i> , 2017, 82, 223-226.	0.6	3
56	Tissue-dependency of the impact of endoreduplication on cell size. <i>Plant Morphology</i> , 2017, 29, 87-90.	0.1	1
57	Direct quantitative evaluation of disease symptoms on living plant leaves growing under natural light. <i>Breeding Science</i> , 2017, 67, 316-319.	1.9	8
58	FISH with Padlock Probes Can Efficiently Reveal the Genomic Position of Low or Single-Copy DNA Sequences. <i>Cytologia</i> , 2017, 82, 337-339.	0.6	1
59	Computational Synteny Analysis Promotes a Better Understanding of Chromosome Evolution. <i>Cytologia</i> , 2017, 82, 101-104.	0.6	1
60	Double-Membrane-Bounded Organelles: Recent Findings Regarding Division, Inheritance, Structure, and Evolution of the Nucleus, Mitochondria, and Chloroplasts. , 2017, , 205-233.		0
61	Coherent X-ray Diffraction Imaging of <i>Cyanidioschyzon merolae</i> . , 2017, , 153-173.		0
62	Deep Imaging of Plant Roots by a Rapid Transparency Technique TOMEI. <i>Cytologia</i> , 2017, 82, 221-222.	0.6	3
63	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.	0.6	5
64	Chromatin Live Imaging with Genome Editing Techniques: Switching from Scissors to a Lamp. <i>Cytologia</i> , 2016, 81, 359-362.	0.6	10
65	Chromatin Tagging Systems Contribute to Live Imaging Analyses for Chromatin Dynamics. <i>Cytologia</i> , 2016, 81, 121-123.	0.6	7
66	Which Is a Reliable Approach in the Generation of Artificial Minichromosomes, Bottom-Up or Top-Down?. <i>Cytologia</i> , 2016, 81, 251-256.	0.6	1
67	Dynamics of plant DNA replication based on PCNA visualization. <i>Scientific Reports</i> , 2016, 6, 29657.	3.3	36
68	Plant Aurora kinases interact with and phosphorylate transcription factors. <i>Journal of Plant Research</i> , 2016, 129, 1165-1178.	2.4	8
69	Visualization of specific repetitive genomic sequences with fluorescent TALEs in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 6101-6110.	4.8	44
70	Three-Dimensional, Live-Cell Imaging of Chromatin Dynamics in Plant Nuclei Using Chromatin Tagging Systems. <i>Methods in Molecular Biology</i> , 2016, 1469, 189-195.	0.9	2
71	Mapping of T-DNA and Ac/Ds by TAIL-PCR to Analyze Chromosomal Rearrangements. <i>Methods in Molecular Biology</i> , 2016, 1469, 207-216.	0.9	4
72	FISH Is in the Limelight Again As More Than a Cytogenetical Technique for Metaphase Chromosomes. <i>Cytologia</i> , 2016, 81, 3-6.	0.6	8

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73	The coordination of ploidy and cell size differs between cell layers in leaves. <i>Development</i> (Cambridge), 2016, 143, 1120-5.	2.5	65
74	<i>TPR5</i> 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, 2401-2411.	4.8	9
75	Three-Dimensional Imaging of Plant Organs Using a Simple and Rapid Transparency Technique. <i>Plant and Cell Physiology</i> , 2016, 57, 462-472.	3.1	79
76	DNA double-strand breaks alter the spatial arrangement of homologous loci in plant cells. <i>Scientific Reports</i> , 2015, 5, 11058.	3.3	31
77	Novel anticancer agent, SQAP, binds to focal adhesion kinase and modulates its activity. <i>Scientific Reports</i> , 2015, 5, 15136.	3.3	16
78	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, 1272-1286.	3.1	56
79	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.	1.5	32
80	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, 1621-1629.	2.0	41
81	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
82	Nuclei and Chromosomes. , 2014, , 1-24.		0
83	Genome Structure of <i>Jatropha curcas</i> L. , 2013, , 563-576.		4
84	New Insights into the Dynamics of Plant Cell Nuclei and Chromosomes. <i>International Review of Cell and Molecular Biology</i> , 2013, 305, 253-301.	3.2	29
85	Application of visualization techniques for cell and tissue engineering. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 122-126.	2.2	13
86	Cytokinins Control Endocycle Onset by Promoting the Expression of an APC/C Activator in <i>Arabidopsis</i> Roots. <i>Current Biology</i> , 2013, 23, 1812-1817.	3.9	92
87	The Organization of Genomic DNA in Mitotic Chromosomes: A Novel View. , 2013, , 33-44.		0
88	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.	2.0	16
89	ASURA (PHB2) Interacts with Scc1 through Chromatin. <i>Cytogenetic and Genome Research</i> , 2013, 139, 225-233.	1.1	2
90	KOTOBUKI-1 apparatus for cryogenic coherent X-ray diffraction imaging. <i>Review of Scientific Instruments</i> , 2013, 84, 093705.	1.3	51

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91	The boundary of the meristematic and elongation zones in roots: endoreduplication precedes rapid cell expansion. <i>Scientific Reports</i> , 2013, 3, 2723.	3.3	96
92	Spatiotemporal knockdown analyses with live cell imaging and optical techniques. <i>Plant Morphology</i> , 2013, 25, 51-54.	0.1	0
93	Roles of GIG1 and UVI4 in genome duplication in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2012, 7, 1079-1081.	2.4	8
94	Active learning framework with iterative clustering for bioimage classification. <i>Nature Communications</i> , 2012, 3, 1032.	12.8	42
95	RBMX: A Regulator for Maintenance and Centromeric Protection of Sister Chromatid Cohesion. <i>Cell Reports</i> , 2012, 1, 299-308.	6.4	75
96	Sequence Analysis of the Genome of an Oil-Bearing Tree, <i>Jatropha curcas</i> L.. <i>DNA Research</i> , 2011, 18, 65-76.	3.4	294
97	Assembly states of the nucleosome assembly protein 1 (NAP-1) revealed by sedimentation velocity and non-denaturing MS. <i>Biochemical Journal</i> , 2011, 436, 101-112.	3.7	21
98	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.	0.6	10
99	ASURA (PHB2) Is Required for Kinetochores Assembly and Subsequent Chromosome Congression. <i>Acta Histochemica Et Cytochemica</i> , 2011, 44, 247-258.	1.6	7
100	Identification and characterization of plant Haspin kinase as a histone H3 threonine kinase. <i>BMC Plant Biology</i> , 2011, 11, 73.	3.6	36
101	Condensin II Alleviates DNA Damage and Is Essential for Tolerance of Boron Overload Stress in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2011, 23, 3533-3546.	6.6	128
102	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, 4382-4393.	6.6	107
103	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
104	The nuclear scaffold protein SAF-A is required for kinetochores microtubule attachment and contributes to the targeting of Aurora-A to mitotic spindles. <i>Journal of Cell Science</i> , 2011, 124, 394-404.	2.0	26
105	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.	0.6	10
106	The MAP Kinase MPK4 Is Required for Cytokinesis in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2010, 22, 3778-3790.	6.6	185
107	The chromosome peripheral proteins play an active role in chromosome dynamics. <i>Biomolecular Concepts</i> , 2010, 1, 157-164.	2.2	7
108	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, 6498-6507.	3.4	21

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109	INTRACELLULAR MANIPULATION BY FEMTOSECOND LASERS: REVIEW. Journal of Innovative Optical Health Sciences, 2009, 02, 1-8.	1.0	7
110	A nucleolar protein RRS1 contributes to chromosome congression. FEBS Letters, 2009, 583, 1951-1956.	2.8	35
111	Junk DNA promotes sex chromosome evolution. Heredity, 2009, 102, 525-526.	2.6	24
112	Visualization of mitotic HeLa cells by advanced polarized light microscopy. Micron, 2008, 39, 635-638.	2.2	2
113	Nucleophosmin is required for chromosome congression, proper mitotic spindle formation, and kinetochore-microtubule attachment in HeLa cells. FEBS Letters, 2008, 582, 3839-3844.	2.8	46
114	In vivo manipulation of fluorescently labeled organelles in living cells by multiphoton excitation. Journal of Biomedical Optics, 2008, 13, 031213.	2.6	13
115	The use of repetitive DNA in cytogenetic studies of plant sex chromosomes. Cytogenetic and Genome Research, 2008, 120, 247-254.	1.1	7
116	The Arabidopsis SDG4 contributes to the regulation of pollen tube growth by methylation of histone H3 lysines 4 and 36 in mature pollen. Developmental Biology, 2008, 315, 355-368.	2.0	109
117	The Y chromosome-specific STS marker MS2 and its peripheral regions on the Y chromosome of the dioecious plant Silene latifolia. Genome, 2008, 51, 251-260.	2.0	9
118	Live Cell Imaging Reveals Plant Aurora Kinase Has Dual Roles During Mitosis. Plant and Cell Physiology, 2008, 49, 1256-1261.	3.1	31
119	Selective labeling of a single organelle by using two-photon conversion of a photoconvertible fluorescent protein. , 2008, , .		0
120	Depletion of nucleophosmin leads to distortion of nucleolar and nuclear structures in HeLa cells. Biochemical Journal, 2008, 415, 345-351.	3.7	88
121	Functional analyses of human nucleolar protein, Nucleophosmin. FASEB Journal, 2008, 22, 267-267.	0.5	0
122	Tracking a Single Organelle with Two-Photon Protein Conversion. Optics and Photonics News, 2007, 18, 20.	0.5	11
123	Single-organelle tracking by two-photon conversion. Optics Express, 2007, 15, 2490.	3.4	46
124	Histone H2A mobility is regulated by its tails and acetylation of core histone tails. Biochemical and Biophysical Research Communications, 2007, 357, 627-632.	2.1	30
125	Fibrillarin, a nucleolar protein, is required for normal nuclear morphology and cellular growth in HeLa cells. Biochemical and Biophysical Research Communications, 2007, 360, 320-326.	2.1	55
126	H1.X with different properties from other linker histones is required for mitotic progression. FEBS Letters, 2007, 581, 3783-3788.	2.8	36

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127	Nucleolin functions in nucleolus formation and chromosome congression. <i>Journal of Cell Science</i> , 2007, 120, 2091-2105.	2.0	112
128	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, 71A, 286-296.	1.5	18
129	Crystal structure of <i>Pyrococcus horikoshii</i> PPC protein at 1.60 Å... resolution. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 67, 505-507.	2.6	11
130	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, 269-284.	1.2	52
131	PHB2 Protects Sister-Chromatid Cohesion in Mitosis. <i>Current Biology</i> , 2007, 17, 1356-1361.	3.9	44
132	Intracellular Nanosurgery Using Near-Infrared Ultrashort Laser Pulses. <i>The Review of Laser Engineering</i> , 2007, 35, 448-452.	0.0	0
133	Stimulated parametric emission microscopy. <i>Optics Express</i> , 2006, 14, 786.	3.4	40
134	Nanosurgery of sub-cellular organelles in living cells using a femtosecond laser oscillator. , 2006, 6108, 7.		0
135	Sex chromosome-linked genes in plants. <i>Genes and Genetic Systems</i> , 2006, 81, 219-226.	0.7	32
136	Aurora kinase is required for chromosome segregation in tobacco BY-2 cells. <i>Plant Journal</i> , 2006, 48, 572-580.	5.7	72
137	Accumulation of chloroplast DNA sequences on the Y chromosome of <i>Silene latifolia</i> . <i>Genetica</i> , 2006, 128, 167-175.	1.1	55
138	Males evolved from the dominant isogametic mating type. <i>Current Biology</i> , 2006, 16, R1018-R1020.	3.9	90
139	Characterization of a Splicing Variant of Plant Aurora Kinase. <i>Plant and Cell Physiology</i> , 2006, 48, 369-374.	3.1	11
140	Calreticulin as a new histone binding protein in mitotic chromosomes. <i>Cytogenetic and Genome Research</i> , 2006, 115, 10-15.	1.1	14
141	Femtosecond laser manipulation of subcellular organelles in living cells. , 2005, 5863, 28.		0
142	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.	0.7	9
143	An upper limit of the ratio of DNA volume to nuclear volume exists in plants. <i>Genes and Genetic Systems</i> , 2005, 80, 345-350.	0.7	22
144	Femtosecond laser disruption of mitochondria in living cells. <i>Medical Laser Application: International Journal for Laser Treatment and Research</i> , 2005, 20, 185-191.	0.3	24

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145	Characterization and dynamic analysis of Arabidopsis condensin subunits, AtCAP-H and AtCAP-H2. <i>Planta</i> , 2005, 222, 293-300.	3.2	24
146	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, 207-216.	2.1	16
147	Characterization of plant Aurora kinases during mitosis. <i>Plant Molecular Biology</i> , 2005, 58, 1-13.	3.9	100
148	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, 414-416.	0.7	6
149	Multi-Spectral Two-Photon Excited Fluorescence Microscopy Using Supercontinuum Light Source. <i>Japanese Journal of Applied Physics</i> , 2005, 44, L167-L169.	1.5	49
150	Stimulated parametric fluorescence microspectroscopy. , 2005, , .		1
151	Proteome Analysis of Human Metaphase Chromosomes. <i>Journal of Biological Chemistry</i> , 2005, 280, 16994-17004.	3.4	114
152	Generation of monoclonal antibodies against chromosomal antigens that have a high sequence similarity between human and mouse. <i>Journal of Biotechnology</i> , 2005, 120, 262-272.	3.8	2
153	Intracellular disruption of mitochondria in a living HeLa cell with a 76-MHz femtosecond laser oscillator. <i>Optics Express</i> , 2005, 13, 9869.	3.4	70
154	Femtosecond Laser Manipulation of Subcellular Organelles in Living Cells. , 2005, , .		0
155	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.	3.1	22
156	Protein composition of human metaphase chromosomes analyzed by two-dimensional electrophoreses. <i>Cytogenetic and Genome Research</i> , 2004, 107, 49-54.	1.1	18
157	MOLECULAR DIVERGENCE AND CHARACTERIZATION OF TWO CHLOROPLAST DIVISION GENES, <i>FTSZ1</i> AND <i>FTSZ2</i> , IN THE UNICELLULAR GREEN ALGA <i>NANNOCHLORIS BACILLARIS</i> (CHLOROPHYTA). <i>Journal of Phycology</i> , 2004, 40, 546-556.	2.3	16
158	Development of new dosimetry using extended DNA fibers. <i>Journal of Bioscience and Bioengineering</i> , 2004, 98, 384-386.	2.2	2
159	A novel transfection method for mammalian cells using calcium alginate microbeads. <i>Journal of Bioscience and Bioengineering</i> , 2004, 97, 191-195.	2.2	32
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