

Sachihiro Matsunaga

List of Publications by Year in descending order

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200
papers

6,646
citations

57719

44
h-index

82499

72
g-index

209
all docs

209
docs citations

209
times ranked

6894
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequence Analysis of the Genome of an Oil-Bearing Tree, <i>Jatropha curcas</i> L.. <i>DNA Research</i> , 2011, 18, 65-76.	1.5	294
2	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.	3.3	252
3	Acetate-mediated novel survival strategy against drought in plants. <i>Nature Plants</i> , 2017, 3, 17097.	4.7	232
4	Femtosecond laser disruption of subcellular organelles in a living cell. <i>Optics Express</i> , 2004, 12, 4203.	1.7	219
5	G2/M-Phase-Specific Transcription during the Plant Cell Cycle Is Mediated by c-Myb-Like Transcription Factors. <i>Plant Cell</i> , 2001, 13, 1891-1905.	3.1	185
6	The MAP Kinase MPK4 Is Required for Cytokinesis in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2010, 22, 3778-3790.	3.1	185
7	G2/M-Phase-Specific Transcription during the Plant Cell Cycle Is Mediated by c-Myb-Like Transcription Factors. <i>Plant Cell</i> , 2001, 13, 1891-1905.	3.1	150
8	A NIN-LIKE PROTEIN mediates nitrate-induced control of root nodule symbiosis in <i>Lotus japonicus</i> . <i>Nature Communications</i> , 2018, 9, 499.	5.8	144
9	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.	3.1	128
10	Proteome Analysis of Human Metaphase Chromosomes. <i>Journal of Biological Chemistry</i> , 2005, 280, 16994-17004.	1.6	114
11	Nucleolin functions in nucleolus formation and chromosome congression. <i>Journal of Cell Science</i> , 2007, 120, 2091-2105.	1.2	112
12	The <i>Arabidopsis</i> 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, 355-368.	0.9	109
13	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.	3.1	107
14	Identification of a novel plant MAR DNA binding protein localized on chromosomal surfaces. <i>Plant Molecular Biology</i> , 2004, 56, 225-239.	2.0	101
15	Characterization of plant Aurora kinases during mitosis. <i>Plant Molecular Biology</i> , 2005, 58, 1-13.	2.0	100
16	A putative mitochondrial ftsZ gene is present in the unicellular primitive red alga <i>Cyanidioschyzon merolae</i> . <i>Molecular Genetics and Genomics</i> , 2000, 264, 452-460.	1.0	97
17	The boundary of the meristematic and elongation zones in roots: endoreduplication precedes rapid cell expansion. <i>Scientific Reports</i> , 2013, 3, 2723.	1.6	96
18	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.	1.8	92

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19	Males evolved from the dominant isogametic mating type. <i>Current Biology</i> , 2006, 16, R1018-R1020.	1.8	90
20	Depletion of nucleophosmin leads to distortion of nucleolar and nuclear structures in HeLa cells. <i>Biochemical Journal</i> , 2008, 415, 345-351.	1.7	88
21	To regenerate or not to regenerate: factors that drive plant regeneration. <i>Current Opinion in Plant Biology</i> , 2019, 47, 138-150.	3.5	85
22	Isolation and developmental expression of male reproductive organ-specific genes in a dioecious campion, <i>Melandrium album</i> (<i>Silene latifolia</i>). <i>Plant Journal</i> , 1996, 10, 679-689.	2.8	82
23	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.	3.3	82
24	Duplicative Transfer of a MADS Box Gene to a Plant Y Chromosome. <i>Molecular Biology and Evolution</i> , 2003, 20, 1062-1069.	3.5	80
25	Three-Dimensional Imaging of Plant Organs Using a Simple and Rapid Transparency Technique. <i>Plant and Cell Physiology</i> , 2016, 57, 462-472.	1.5	79
26	The active digestion of uniparental chloroplast DNA in a single zygote of <i>Chlamydomonas reinhardtii</i> is revealed by using the optical tweezer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 12577-12582.	3.3	78
27	Sex Determination by Sex Chromosomes in Dioecious Plants. <i>Plant Biology</i> , 2001, 3, 481-488.	1.8	78
28	RBMX: A Regulator for Maintenance and Centromeric Protection of Sister Chromatid Cohesion. <i>Cell Reports</i> , 2012, 1, 299-308.	2.9	75
29	Aurora kinase is required for chromosome segregation in tobacco BY-2 cells. <i>Plant Journal</i> , 2006, 48, 572-580.	2.8	72
30	Semi-Automatic Laser Beam Microdissection of the Y Chromosome and Analysis of Y Chromosome DNA in a Dioecious Plant, <i>Silene latifolia</i> . <i>Plant and Cell Physiology</i> , 1999, 40, 60-68.	1.5	70
31	Intracellular disruption of mitochondria in a living HeLa cell with a 76-MHz femtosecond laser oscillator. <i>Optics Express</i> , 2005, 13, 9869.	1.7	70
32	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, 240-248.	1.6	67
33	The coordination of ploidy and cell size differs between cell layers in leaves. <i>Development (Cambridge)</i> , 2016, 143, 1120-5.	1.2	65
34	Acetic Acid Treatment Enhances Drought Avoidance in Cassava (<i>Manihot esculenta</i> Crantz). <i>Frontiers in Plant Science</i> , 2019, 10, 521.	1.7	65
35	Interstitial telomere-like repeats in the <i>Arabidopsis thaliana</i> genome.. <i>Genes and Genetic Systems</i> , 2002, 77, 63-67.	0.2	63
36	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.	1.5	56

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37	Localization of Male-Specifically Expressed <i>MROS</i> Genes of <i>Silene latifolia</i> by PCR on Flow-Sorted Sex Chromosomes and Autosomes. <i>Genetics</i> , 2001, 158, 1269-1277.	1.2	56
38	Accumulation of chloroplast DNA sequences on the Y chromosome of <i>Silene latifolia</i> . <i>Genetica</i> , 2006, 128, 167-175.	0.5	55
39	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, 320-326.	1.0	55
40	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.	0.5	52
41	Primed histone demethylation regulates shoot regenerative competency. <i>Nature Communications</i> , 2019, 10, 1786.	5.8	52
42	KOTOBUKI-1 apparatus for cryogenic coherent X-ray diffraction imaging. <i>Review of Scientific Instruments</i> , 2013, 84, 093705.	0.6	51
43	Single pollen typing combined with laser-mediated manipulation. <i>Plant Journal</i> , 1999, 20, 371-378.	2.8	50
44	Multi-Spectral Two-Photon Excited Fluorescence Microscopy Using Supercontinuum Light Source. <i>Japanese Journal of Applied Physics</i> , 2005, 44, L167-L169.	0.8	49
45	Single-organelle tracking by two-photon conversion. <i>Optics Express</i> , 2007, 15, 2490.	1.7	46
46	Nucleophosmin is required for chromosome congression, proper mitotic spindle formation, and kinetochore-microtubule attachment in HeLa cells. <i>FEBS Letters</i> , 2008, 582, 3839-3844.	1.3	46
47	PHB2 Protects Sister-Chromatid Cohesion in Mitosis. <i>Current Biology</i> , 2007, 17, 1356-1361.	1.8	44
48	Visualization of specific repetitive genomic sequences with fluorescent TALEs in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 6101-6110.	2.4	44
49	Proteasomal degradation of BRAHMA promotes Boron tolerance in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2018, 9, 5285.	5.8	43
50	Active learning framework with iterative clustering for bioimage classification. <i>Nature Communications</i> , 2012, 3, 1032.	5.8	42
51	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.	1.2	41
52	Stimulated parametric emission microscopy. <i>Optics Express</i> , 2006, 14, 786.	1.7	40
53	Cytological Analyses in <i>Melandrium album</i> : Genome Size, C.hromosome Size and Fluorescence in situ Hybridization.. <i>Cytologia</i> , 1994, 59, 135-141.	0.2	38
54	Organization of the Kpn I family of chromosomal distal-end satellite DNAs in <i>Silene latifolia</i> . <i>Journal of Plant Research</i> , 2003, 116, 317-326.	1.2	37

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55	Subnuclear gene positioning through lamina association affects copper tolerance. <i>Nature Communications</i> , 2020, 11, 5914.	5.8	37
56	H1.X with different properties from other linker histones is required for mitotic progression. <i>FEBS Letters</i> , 2007, 581, 3783-3788.	1.3	36
57	Identification and characterization of plant Haspin kinase as a histone H3 threonine kinase. <i>BMC Plant Biology</i> , 2011, 11, 73.	1.6	36
58	Dynamics of plant DNA replication based on PCNA visualization. <i>Scientific Reports</i> , 2016, 6, 29657.	1.6	36
59	A nucleolar protein RRS1 contributes to chromosome congression. <i>FEBS Letters</i> , 2009, 583, 1951-1956.	1.3	35
60	<scp>RAD</scp>54 forms <scp>DNA</scp> repair foci in response to <scp>DNA</scp> damage in living plant cells. <i>Plant Journal</i> , 2017, 90, 372-382.	2.8	35
61	Characterization of somatic embryogenesis initiated from the Arabidopsis shoot apex. <i>Developmental Biology</i> , 2018, 442, 13-27.	0.9	33
62	A novel transfection method for mammalian cells using calcium alginate microbeads. <i>Journal of Bioscience and Bioengineering</i> , 2004, 97, 191-195.	1.1	32
63	Sex chromosome-linked genes in plants. <i>Genes and Genetic Systems</i> , 2006, 81, 219-226.	0.2	32
64	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.	0.6	32
65	Live Cell Imaging Reveals Plant Aurora Kinase Has Dual Roles During Mitosis. <i>Plant and Cell Physiology</i> , 2008, 49, 1256-1261.	1.5	31
66	DNA double-strand breaks alter the spatial arrangement of homologous loci in plant cells. <i>Scientific Reports</i> , 2015, 5, 11058.	1.6	31
67	LTR retrotransposons in the dioecious plant <i>Silene latifolia</i> . <i>Genome</i> , 2002, 45, 745-751.	0.9	30
68	Histone H2A mobility is regulated by its tails and acetylation of core histone tails. <i>Biochemical and Biophysical Research Communications</i> , 2007, 357, 627-632.	1.0	30
69	New Insights into the Dynamics of Plant Cell Nuclei and Chromosomes. <i>International Review of Cell and Molecular Biology</i> , 2013, 305, 253-301.	1.6	29
70	The SMC5/6 Complex Subunit NSE4A Is Involved in DNA Damage Repair and Seed Development. <i>Plant Cell</i> , 2019, 31, 1579-1597.	3.1	27
71	Distribution of interstitial telomere-like repeats and their adjacent sequences in a dioecious plant, <i>Silene latifolia</i> . <i>Chromosoma</i> , 2002, 111, 313-320.	1.0	26
72	The nuclear scaffold protein SAF-A is required for kinetochoreâ€“microtubule attachment and contributes to the targeting of Aurora-A to mitotic spindles. <i>Journal of Cell Science</i> , 2011, 124, 394-404.	1.2	26

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73	A plant Y chromosome-STS marker encoding a degenerate retrotransposon.. Genes and Genetic Systems, 2002, 77, 393-398.	0.2	24
74	Femtosecond laser disruption of mitochondria in living cells. Medical Laser Application: International Journal for Laser Treatment and Research, 2005, 20, 185-191.	0.4	24
75	Characterization and dynamic analysis of Arabidopsis condensin subunits, AtCAP-H and AtCAP-H2. Planta, 2005, 222, 293-300.	1.6	24
76	Junk DNA promotes sex chromosome evolution. Heredity, 2009, 102, 525-526.	1.2	24
77	Visualization of Chromatin Loci with Transiently Expressed CRISPR/Cas9 in Plants. Cytologia, 2017, 82, 559-562.	0.2	24
78	MROS1, a Male Stamen-Specific Gene in the Dioecious Campion <i>Silene latifolia</i> Is Expressed in Mature Pollen. Plant and Cell Physiology, 1997, 38, 499-502.	1.5	23
79	Auxin decreases chromatin accessibility through the TIR1/AFBs auxin signaling pathway in proliferative cells. Scientific Reports, 2018, 8, 7773.	1.6	23
80	Characterization of DNA Repair Foci in Root Cells of Arabidopsis in Response to DNA Damage. Frontiers in Plant Science, 2019, 10, 990.	1.7	23
81	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> . DNA Research, 2003, 10, 213-220.	1.5	22
82	Transformation of yeast using calcium alginate microbeads with surface-immobilized chromosomal DNA. BioTechniques, 2003, 35, 734-740.	0.8	22
83	Sex-Specific Cell Division during Development of Unisexual Flowers in the Dioecious Plant <i>Silene latifolia</i> . Plant and Cell Physiology, 2004, 45, 795-802.	1.5	22
84	An upper limit of the ratio of DNA volume to nuclear volume exists in plants. Genes and Genetic Systems, 2005, 80, 345-350.	0.2	22
85	Two Types of <i>ftsZ</i> Genes Isolated from the Unicellular Primitive Red Alga <i>Galdieria sulphuraria</i> . Plant and Cell Physiology, 1999, 40, 784-791.	1.5	21
86	RAPD isolation of a Y chromosome specific ORF in a dioecious plant, <i>Silene latifolia</i> . Genome, 2002, 45, 413-420.	0.9	21
87	Obtaining transgenic plants using the bio-active beads method. Journal of Plant Research, 2004, 117, 95-99.	1.2	21
88	The Middle Region of an HP1-binding Protein, HP1-BP74, Associates with Linker DNA at the Entry/Exit Site of Nucleosomal DNA. Journal of Biological Chemistry, 2010, 285, 6498-6507.	1.6	21
89	Assembly states of the nucleosome assembly protein 1 (NAP-1) revealed by sedimentation velocity and non-denaturing MS. Biochemical Journal, 2011, 436, 101-112.	1.7	21
90	Characterization of two SEPALLATA MADS-box genes from the dioecious plant <i>Silene latifolia</i> . Sexual Plant Reproduction, 2004, 17, 189-193.	2.2	19

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91	Protein composition of human metaphase chromosomes analyzed by two-dimensional electrophoreses. <i>Cytogenetic and Genome Research</i> , 2004, 107, 49-54.	0.6	18
92	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.	1.1	18
93	Two combinatorial patterns of telomere histone marks in plants with canonical and non-canonical telomere repeats. <i>Plant Journal</i> , 2020, 102, 678-687.	2.8	18
94	An anchoring complex recruits katanin for microtubule severing at the plant cortical nucleation sites. <i>Nature Communications</i> , 2021, 12, 3687.	5.8	18
95	Improved clearing method contributes to deep imaging of plant organs. <i>Communications Biology</i> , 2022, 5, 12.	2.0	17
96	Isolation, characterization, and chromosomal mapping of an <i>ftsZ</i> gene from the unicellular primitive red alga <i>Cyanidium caldarium</i> RK-1. <i>Current Genetics</i> , 2000, 37, 143-151.	0.8	16
97	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.	1.0	16
98	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.	1.0	16
99	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.	1.2	16
100	Novel anticancer agent, SQAP, binds to focal adhesion kinase and modulates its activity. <i>Scientific Reports</i> , 2015, 5, 15136.	1.6	16
101	LSD1-LIKE1-Mediated H3K4me2 Demethylation Is Required for Homologous Recombination Repair. <i>Plant Physiology</i> , 2019, 181, 499-509.	2.3	16
102	Plant condensin II is required for the correct spatial relationship between centromeres and rDNA arrays. <i>Nucleus</i> , 2019, 10, 116-125.	0.6	16
103	Live imaging of H3K9 acetylation in plant cells. <i>Scientific Reports</i> , 2017, 7, 45894.	1.6	15
104	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.	1.7	15
105	Calreticulin as a new histone binding protein in mitotic chromosomes. <i>Cytogenetic and Genome Research</i> , 2006, 115, 10-15.	0.6	14
106	Heat and chilling stress induce nucleolus morphological changes. <i>Journal of Plant Research</i> , 2019, 132, 395-403.	1.2	14
107	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.	1.5	14
108	Thiazoline-related innate fear stimuli orchestrate hypothermia and anti-hypoxia via sensory TRPA1 activation. <i>Nature Communications</i> , 2021, 12, 2074.	5.8	14

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109	In vivo manipulation of fluorescently labeled organelles in living cells by multiphoton excitation. <i>Journal of Biomedical Optics</i> , 2008, 13, 031213.	1.4	13
110	Application of visualization techniques for cell and tissue engineering. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 122-126.	1.1	13
111	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.	1.6	13
112	Cytological Analysis of the Mature Pollen of <i>Actinidia deliciosa</i> (Kiwifruit).. <i>Cytologia</i> , 1996, 61, 337-341.	0.2	12
113	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.	2.8	12
114	Characterization of a Splicing Variant of Plant Aurora Kinase. <i>Plant and Cell Physiology</i> , 2006, 48, 369-374.	1.5	11
115	Tracking a Single Organelle with Two-Photon Protein Conversion. <i>Optics and Photonics News</i> , 2007, 18, 20.	0.4	11
116	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.	1.5	11
117	Insights into cortical microtubule nucleation and dynamics in <i>Arabidopsis</i> leaf cells. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	11
118	Homologous pairing activities of <i>Arabidopsis thaliana</i> RAD51 and DMC1. <i>Journal of Biochemistry</i> , 2019, 165, 289-295.	0.9	11
119	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.	0.2	10
120	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.	0.2	10
121	Chromatin Live Imaging with Genome Editing Techniques: Switching from Scissors to a Lamp. <i>Cytologia</i> , 2016, 81, 359-362.	0.2	10
122	Optical isolation of individual mitochondria of <i>Physarum polycephalum</i> for PCR analysis. <i>Protoplasma</i> , 1996, 194, 275-279.	1.0	9
123	DNA methylation analysis of a male reproductive organ specific gene (MROS1) during pollen development. <i>Genome</i> , 2002, 45, 930-938.	0.9	9
124	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.	0.2	9
125	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, 251-260.	0.9	9
126	<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.	2.4	9

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127	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, 353-361.	0.2	8
128	Roles of GIG1 and UVI4 in genome duplication in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2012, 7, 1079-1081.	1.2	8
129	Plant Aurora kinases interact with and phosphorylate transcription factors. <i>Journal of Plant Research</i> , 2016, 129, 1165-1178.	1.2	8
130	FISH Is in the Limelight Again As More Than a Cytogenetical Technique for Metaphase Chromosomes. <i>Cytologia</i> , 2016, 81, 3-6.	0.2	8
131	Direct quantitative evaluation of disease symptoms on living plant leaves growing under natural light. <i>Breeding Science</i> , 2017, 67, 316-319.	0.9	8
132	Pyrenocine A induces monopolar spindle formation and suppresses proliferation of cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 115149.	1.4	8
133	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.	1.6	8
134	Isolation method for human metaphase chromosomes. <i>Protocol Exchange</i> , 0, , .	0.3	8
135	Sustained defense response via volatile signaling and its epigenetic transcriptional regulation. <i>Plant Physiology</i> , 2022, 189, 922-933.	2.3	8
136	An <i>Arabidopsis thaliana</i> Gene on the Yeast Artificial Chromosome Can Be Transcribed in Tobacco Cells. <i>Cytologia</i> , 2004, 69, 235-240.	0.2	7
137	The use of repetitive DNA in cytogenetic studies of plant sex chromosomes. <i>Cytogenetic and Genome Research</i> , 2008, 120, 247-254.	0.6	7
138	INTRACELLULAR MANIPULATION BY FEMTOSECOND LASERS: REVIEW. <i>Journal of Innovative Optical Health Sciences</i> , 2009, 02, 1-8.	0.5	7
139	The chromosome peripheral proteins play an active role in chromosome dynamics. <i>Biomolecular Concepts</i> , 2010, 1, 157-164.	1.0	7
140	ASURA (PHB2) Is Required for Kinetochore Assembly and Subsequent Chromosome Congression. <i>Acta Histochemica Et Cytochemica</i> , 2011, 44, 247-258.	0.8	7
141	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.	0.2	7
142	Chromatin Tagging Systems Contribute to Live Imaging Analyses for Chromatin Dynamics. <i>Cytologia</i> , 2016, 81, 121-123.	0.2	7
143	Convolutional Neural Network-Based Automatic Classification for Algal Morphogenesis. <i>Cytologia</i> , 2018, 83, 301-305.	0.2	7
144	Planimal Cells: Artificial Photosynthetic Animal Cells Inspired by Endosymbiosis and Photosynthetic Animals. <i>Cytologia</i> , 2018, 83, 3-6.	0.2	7

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145	Intracellular localization of histone deacetylase HDA6 in plants. <i>Journal of Plant Research</i> , 2019, 132, 629-640.	1.2	7
146	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.	1.6	7
147	Clear visualization of the products of nonradioactive in situ hybridization in plant tissue by simple dark-field microscopy. <i>Micron</i> , 1997, 28, 185-187.	1.1	6
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	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.	1.0	6
150	Mitotic Karyotype of the Primitive Red Alga <i>Cyanidioschyzon merolae</i> 10D. <i>Cytologia</i> , 2020, 85, 107-113.	0.2	6
151	Isolation and expression of a novel starch-storing cell-specific gene containing the KH RNA binding domain from tobacco-cultured cells BY-2. <i>Journal of Experimental Botany</i> , 2002, 53, 2451-2452.	2.4	5
152	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.	2.0	5
153	Application of the Bio-Active Beads Method in Rice Transformation. <i>Plant Biotechnology</i> , 2004, 21, 303-306.	0.5	5
154	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.	0.2	5
155	Roles of BRAHMA and Its Interacting Partners in Plant Chromatin Remodeling. <i>Cytologia</i> , 2020, 85, 263-267.	0.2	5
156	Whole-Tissue Three-Dimensional Imaging of Rice at Single-Cell Resolution. <i>International Journal of Molecular Sciences</i> , 2022, 23, 40.	1.8	5
157	A High Density of rRNA in the Generative Cells and Sperm Cells of Pollen Grains of Five Angiosperm Species.. <i>Cytologia</i> , 1998, 63, 293-300.	0.2	4
158	Genome Structure of <i>Jatropha curcas</i> L., 2013, , 563-576.		4
159	Mapping of T-DNA and Ac/Ds by TAIL-PCR to Analyze Chromosomal Rearrangements. <i>Methods in Molecular Biology</i> , 2016, 1469, 207-216.	0.4	4
160	Chromosomal Rearrangement: From Induction by Heavy-Ion Irradiation to in Vivo Engineering by Genome Editing. <i>Cytologia</i> , 2018, 83, 125-128.	0.2	4
161	2A Peptides Contribute to the Co-Expression of Proteins for Imaging and Genome Editing. <i>Cytologia</i> , 2019, 84, 107-111.	0.2	4
162	An ion beam-induced <i>Arabidopsis</i> mutant with marked chromosomal rearrangement. <i>Journal of Radiation Research</i> , 2017, 58, 772-781.	0.8	3

#	ARTICLE	IF	CITATIONS
163	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.	0.2	3
164	Lysine-Specific Demethylase Epigenetically Regulates Human and Plant Phenomena. <i>Cytologia</i> , 2019, 84, 295-298.	0.2	3
165	Cyanidioschyzon merolae aurora kinase phosphorylates evolutionarily conserved sites on its target to regulate mitochondrial division. <i>Communications Biology</i> , 2019, 2, 477.	2.0	3
166	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.	0.6	3
167	Deep Imaging of Plant Roots by a Rapid Transparency Technique TOMEI. <i>Cytologia</i> , 2017, 82, 221-222.	0.2	3
168	Seasonal and Diurnal Regulation of Flowering <i>via</i> an Epigenetic Mechanism in <i>Arabidopsis thaliana</i> . <i>Cytologia</i> , 2019, 84, 3-8.	0.2	3
169	Microtubule-dependent migration of the cell nucleus toward a future leading edge in amoebae of <i>Physarum polycephalum</i> . <i>Protoplasma</i> , 2000, 211, 172-182.	1.0	2
170	Development of new dosimetry using extended DNA fibers. <i>Journal of Bioscience and Bioengineering</i> , 2004, 98, 384-386.	1.1	2
171	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.	1.9	2
172	Visualization of mitotic HeLa cells by advanced polarized light microscopy. <i>Micron</i> , 2008, 39, 635-638.	1.1	2
173	ASURA (PHB2) Interacts with Scc1 through Chromatin. <i>Cytogenetic and Genome Research</i> , 2013, 139, 225-233.	0.6	2
174	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.	0.4	2
175	A Photosynthetic Animal: A Sacoglossan Sea Slug that Steals Chloroplasts. <i>Cytologia</i> , 2021, 86, 103-107.	0.2	2
176	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.	0.2	2
177	G2/M-Phase-Specific Transcription during the Plant Cell Cycle Is Mediated by c-Myb-Like Transcription Factors. <i>Plant Cell</i> , 2001, 13, 1891.	3.1	1
178	Stimulated parametric fluorescence microspectroscopy. , 2005, , .		1
179	Which Is a Reliable Approach in the Generation of Artificial Minichromosomes, Bottom-Up or Top-Down?. <i>Cytologia</i> , 2016, 81, 251-256.	0.2	1
180	Tissue-dependency of the impact of endoreduplication on cell size. <i>Plant Morphology</i> , 2017, 29, 87-90.	0.1	1

#	ARTICLE	IF	CITATIONS
181	FISH with Padlock Probes Can Efficiently Reveal the Genomic Position of Low or Single-Copy DNA Sequences. <i>Cytologia</i> , 2017, 82, 337-339.	0.2	1
182	Computational Synteny Analysis Promotes a Better Understanding of Chromosome Evolution. <i>Cytologia</i> , 2017, 82, 101-104.	0.2	1
183	Imaging with Split Fluorescent Proteins Based on the Reconstruction of Separated Asymmetric Protein Fragments. <i>Cytologia</i> , 2018, 83, 347-350.	0.2	1
184	Synthetic Carbon Fixation: Conversion of Heterotrophs into Autotrophs by Calvin-Benson-Bassham Cycle Induction. <i>Cytologia</i> , 2021, 86, 277-281.	0.2	1
185	Natural and Artificial Photosymbiosis in Vertebrates. <i>Cytologia</i> , 2022, 87, 69-72.	0.2	1
186	Title is missing!. <i>Biotechnology Letters</i> , 1997, 11, 503-505.	0.5	0
187	Femtosecond laser manipulation of subcellular organelles in living cells. , 2005, 5863, 28.		0
188	Nanosurgery of sub-cellular organelles in living cells using a femtosecond laser oscillator. , 2006, 6108, 7.		0
189	Selective labeling of a single organelle by using two-photon conversion of a photoconvertible fluorescent protein. , 2008, , .		0
190	The Organization of Genomic DNA in Mitotic Chromosomes: A Novel View. , 2013, , 33-44.		0
191	Next Generation Sequence-based Technologies for Analyzing DNA Strand Breaks. <i>Cytologia</i> , 2021, 86, 3-9.	0.2	0
192	Femtosecond Laser Manipulation of Subcellular Organelles in Living Cells. , 2005, , .		0
193	Intracellular Nanosurgery Using Near-Infrared Ultrashort Laser Pulses. <i>The Review of Laser Engineering</i> , 2007, 35, 448-452.	0.0	0
194	Functional analyses of human nucleolar protein, Nucleophosmin. <i>FASEB Journal</i> , 2008, 22, 267-267.	0.2	0
195	Spatiotemporal knockdown analyses with live cell imaging and optical techniques. <i>Plant Morphology</i> , 2013, 25, 51-54.	0.1	0
196	Nuclei and Chromosomes. , 2014, , 1-24.		0
197	Male reproductive organ-specific genes in the dioecious plant <i>Silene latifolia</i> . <i>Plant Morphology</i> , 1998, 10, 76-83.	0.1	0
198	Double-Membrane-Bounded Organelles: Recent Findings Regarding Division, Inheritance, Structure, and Evolution of the Nucleus, Mitochondria, and Chloroplasts. , 2017, , 205-233.		0

#	ARTICLE	IF	CITATIONS
199	Coherent X-ray Diffraction Imaging of <i>Cyanidioschyzon merolae</i> . , 2017, , 153-173.		0
200	Plant regeneration by epigenetic priming. <i>Plant Morphology</i> , 2020, 32, 53-57.	0.1	0