Yasushi Hiraoka

List of Publications by Citations

211 papers	11,787 citations	56 h-index	104 g-index
235 ext. papers	13,335 ext. citations	7.5 avg, IF	5.95 L-index

#	Paper	IF	Citations
211	Autophagosomes form at ER-mitochondria contact sites. *Nature*, **2013**, 495, 389-93	50.4	1148
210	Mutations in dynein link motor neuron degeneration to defects in retrograde transport. *Science*, **2003**, 300, 808-12	33.3	577
209	Fluorescence microscopy in three dimensions. *Methods in Cell Biology*, **1989**, 30, 353-77	1.8	495
208	ORFeome cloning and global analysis of protein localization in the fission yeast Schizosaccharomyces pombe. *Nature Biotechnology*, **2006**, 24, 841-7	44.5	443
207	The NDA3 gene of fission yeast encodes beta-tubulin: a cold-sensitive nda3 mutation reversibly blocks spindle formation and chromosome movement in mitosis. *Cell*, **1984**, 39, 349-58	56.2	435
206	Aneuploidy drives genomic instability in yeast. *Science*, **2011**, 333, 1026-30	33.3	283
205	Meiotic proteins bqt1 and bqt2 tether telomeres to form the bouquet arrangement of chromosomes. *Cell*, **2006**, 125, 59-69	56.2	272
204	Dynamics of centromeres during metaphase-anaphase transition in fission yeast: Dis1 is implicated in force balance in metaphase bipolar spindle. *Molecular Biology of the Cell*, **1998**, 9, 3211-25	3.5	266
203	Selective elimination of messenger RNA prevents an incidence of untimely meiosis. *Nature*, **2006**, 442, 45-50	50.4	241
202	Distinct functional domains in emerin bind lamin A and DNA-bridging protein BAF. *Journal of Cell Science*, **2001**, 114, 4567-4573	5.3	222
201	A cytoplasmic dynein heavy chain is required for oscillatory nuclear movement of meiotic prophase and efficient meiotic recombination in fission yeast. *Journal of Cell Biology*, **1999**, 145, 1233-49	7.3	219
200	Identification of the pleiotropic cell division cycle gene NDA2 as one of two different alpha-tubulin genes in Schizosaccharomyces pombe. *Cell*, **1984**, 37, 233-42	56.2	210
199	The SUN rises on meiotic chromosome dynamics. *Developmental Cell*, **2009**, 17, 598-605	10.2	207
198	Dynamics of homologous chromosome pairing during meiotic prophase in fission yeast. *Developmental Cell*, **2004**, 6, 329-41	10.2	198
197	BAF is required for emerin assembly into the reforming nuclear envelope. *Journal of Cell Science*, **2001**, 114, 4575-4585	5.3	164
196	Phosphorylation of RNA-binding protein controls cell cycle switch from mitotic to meiotic in fission yeast. *Nature*, **1997**, 386, 187-90	50.4	155
195	Live cell imaging and electron microscopy reveal dynamic processes of BAF-directed nuclear envelope assembly. *Journal of Cell Science*, **2008**, 121, 2540-54	5.3	154

194	Heterochromatin integrity affects chromosome reorganization after centromere dysfunction. *Science*, **2008**, 321, 1088-91	33.3	152
193	Cellular stresses induce the nuclear accumulation of importin alpha and cause a conventional nuclear import block. *Journal of Cell Biology*, **2004**, 165, 617-23	7.3	149
192	Telomere binding of the Rap1 protein is required for meiosis in fission yeast. *Current Biology*, **2001**, 11, 1618-23	6.3	139
191	Dynamic behavior of Nuf2-Hec1 complex that localizes to the centrosome and centromere and is essential for mitotic progression in vertebrate cells. *Journal of Cell Science*, **2003**, 116, 3347-62	5.3	127
190	CENP-I is essential for centromere function in vertebrate cells. *Developmental Cell*, **2002**, 2, 463-76	10.2	121
189	Multispectral imaging fluorescence microscopy for living cells. *Cell Structure and Function*, **2002**, 27, 367-74	2.4	115
188	Cell cycle behavior of human HP1 subtypes: distinct molecular domains of HP1 are required for their centromeric localization during interphase and metaphase. *Journal of Cell Science*, **2003**, 116, 3327-38	5.3	115
187	Dynamic interaction between BAF and emerin revealed by FRAP, FLIP, and FRET analyses in living HeLa cells. *Journal of Structural Biology*, **2004**, 147, 31-41	3.4	115
186	Cadherin activity is required for activity-induced spine remodeling. *Journal of Cell Biology*, **2004**, 167, 961-72	7.3	114
185	Emerin binding to Btf, a death-promoting transcriptional repressor, is disrupted by a missense mutation that causes Emery-Dreifuss muscular dystrophy. *FEBS Journal*, **2004**, 271, 1035-45		112
184	Large-scale screening of intracellular protein localization in living fission yeast cells by the use of a GFP-fusion genomic DNA library. *Genes To Cells*, **2000**, 5, 169-90	2.3	110
183	Monopolar spindle attachment of sister chromatids is ensured by two distinct mechanisms at the first meiotic division in fission yeast. *EMBO Journal*, **2003**, 22, 2284-96	13	102
182	Focal points for chromosome condensation and decondensation revealed by three-dimensional in vivo time-lapse microscopy. *Nature*, **1989**, 342, 293-6	50.4	99
181	Meiosis-specific noncoding RNA mediates robust pairing of homologous chromosomes in meiosis. *Science*, **2012**, 336, 732-6	33.3	95
180	Spectral imaging fluorescence microscopy. *Genes To Cells*, **2002**, 7, 881-7	2.3	95
179	A conserved protein, Nuf2, is implicated in connecting the centromere to the spindle during chromosome segregation: a link between the kinetochore function and the spindle checkpoint. *Chromosoma*, **2001**, 110, 322-34	2.8	91
178	MMXD, a TFIIH-independent XPD-MMS19 protein complex involved in chromosome segregation. *Molecular Cell*, **2010**, 39, 632-40	17.6	89
177	Membrane proteins Bqt3 and -4 anchor telomeres to the nuclear envelope to ensure chromosomal bouquet formation. *Journal of Cell Biology*, **2009**, 187, 413-27	7.3	89

176	Multiple-color fluorescence imaging of chromosomes and microtubules in living cells. *Cell Structure and Function*, **1999**, 24, 291-8	2.2	88
175	Ect2 and MgcRacGAP regulate the activation and function of Cdc42 in mitosis. *Journal of Cell Biology*, **2005**, 168, 221-32	7.3	87
174	Functional expression of human mitochondrial CYP11B2 in fission yeast and identification of a new internal electron transfer protein, etp1. *Biochemistry*, **2002**, 41, 2311-21	3.2	87
173	Lamin B receptor recognizes specific modifications of histone H4 in heterochromatin formation. *Journal of Biological Chemistry*, **2012**, 287, 42654-63	5.4	83
172	Hexanucleotide motifs mediate recruitment of the RNA elimination machinery to silent meiotic genes. *Open Biology*, **2012**, 2, 120014	7	80
171	Another way to move chromosomes. *Chromosoma*, **2007**, 116, 497-505	2.8	78
170	The 14-kDa dynein light chain-family protein Dlc1 is required for regular oscillatory nuclear movement and efficient recombination during meiotic prophase in fission yeast. *Molecular Biology of the Cell*, **2002**, 13, 930-46	3.5	78
169	A conserved motif within RAP1 has diversified roles in telomere protection and regulation in different organisms. *Nature Structural and Molecular Biology*, **2011**, 18, 213-21	17.6	75
168	Meiotic cohesins modulate chromosome compaction during meiotic prophase in fission yeast. *Journal of Cell Biology*, **2006**, 174, 499-508	7.3	75
167	Dynamics of chromosomes and microtubules visualized by multiple-wavelength fluorescence imaging in living mammalian cells: effects of mitotic inhibitors on cell cycle progression. *Genes To Cells*, **1997**, 2, 369-80	2.3	72
166	How do meiotic chromosomes meet their homologous partners?: lessons from fission yeast. *BioEssays*, **2001**, 23, 526-33	4.1	68
165	Two distinct repeat sequences of Nup98 nucleoporins characterize dual nuclei in the binucleated ciliate tetrahymena. *Current Biology*, **2009**, 19, 843-7	6.3	63
164	Codon usage bias is correlated with gene expression levels in the fission yeast Schizosaccharomyces pombe. *Genes To Cells*, **2009**, 14, 499-509	2.3	62
163	Meiotic behaviours of chromosomes and microtubules in budding yeast: relocalization of centromeres and telomeres during meiotic prophase. *Genes To Cells*, **1998**, 3, 587-601	2.3	62
162	The constitutive centromere component CENP-50 is required for recovery from spindle damage. *Molecular and Cellular Biology*, **2005**, 25, 10315-28	4.8	62
161	In vivo evidence for the fibrillar structures of Sup35 prions in yeast cells. *Journal of Cell Biology*, **2010**, 190, 223-31	7.3	60
160	Linear element formation and their role in meiotic sister chromatid cohesion and chromosome pairing. *Journal of Cell Science*, **2003**, 116, 1719-31	5.3	59
159	Dissociation of the Nuf2-Ndc80 complex releases centromeres from the spindle-pole body during meiotic prophase in fission yeast. *Molecular Biology of the Cell*, **2005**, 16, 2325-38	3.5	59

158	Heat-shock induced nuclear retention and recycling inhibition of importin alpha. *Genes To Cells*, **2004**, 9, 429-41	2.3	57
157	Dynamic behavior of microtubules during dynein-dependent nuclear migrations of meiotic prophase in fission yeast. *Molecular Biology of the Cell*, **2001**, 12, 3933-46	3.5	57
156	Characterization of rec7, an early meiotic recombination gene in Schizosaccharomyces pombe. *Genetics*, **2001**, 157, 519-32	4	56
155	Artificial induction of autophagy around polystyrene beads in nonphagocytic cells. *Autophagy*, **2010**, 6, 36-45	10.2	55
154	Virtual breakdown of the nuclear envelope in fission yeast meiosis. *Current Biology*, **2010**, 20, 1919-25	6.3	54
153	Active involvement of micro-lipid droplets and lipid-droplet-associated proteins in hormone-stimulated lipolysis in adipocytes. *Journal of Cell Science*, **2012**, 125, 6127-36	5.3	52
152	Two-step, extensive alterations in the transcriptome from G0 arrest to cell division in Schizosaccharomyces pombe. *Genes To Cells*, **2007**, 12, 677-92	2.3	51
151	Meiosis induced by inactivation of Pat1 kinase proceeds with aberrant nuclear positioning of centromeres in the fission yeast Schizosaccharomyces pombe. *Genes To Cells*, **2004**, 9, 671-84	2.3	46
150	Cytoplasmic dynein in fungi: insights from nuclear migration. *Journal of Cell Science*, **2003**, 116, 4501-12	5.3	46
149	Highly condensed chromatins are formed adjacent to subtelomeric and decondensed silent chromatin in fission yeast. *Nature Communications*, **2015**, 6, 7753	17.4	45
148	Inner nuclear membrane protein Ima1 is dispensable for intranuclear positioning of centromeres. *Genes To Cells*, **2011**, 16, 1000-11	2.3	45
147	Localization of gene products using a chromosomally tagged GFP-fusion library in the fission yeast Schizosaccharomyces pombe. *Genes To Cells*, **2009**, 14, 217-25	2.3	45
146	Meiotic telomeres: a matchmaker for homologous chromosomes. *Genes To Cells*, **1998**, 3, 405-13	2.3	45
145	. *IEEE Transactions on Communications*, **2017**, 65, 663-676	6.9	44
144	Characterization of nuclear pore complex components in fission yeast Schizosaccharomyces pombe. *Nucleus*, **2014**, 5, 149-62	3.9	44
143	. *IEEE Journal on Selected Areas in Communications*, **2014**, 32, 2417-2431	14.2	43
142	Recent advancements in structured-illumination microscopy toward live-cell imaging. *Microscopy (Oxford, England)*, **2015**, 64, 237-49	1.3	42
141	Identification of human endomucin-1 and -2 as membrane-bound O-sialoglycoproteins with anti-adhesive activity. *FEBS Letters*, **2001**, 499, 121-6	3.8	42

140	Nuclear localization of barrier-to-autointegration factor is correlated with progression of S phase in human cells. *Journal of Cell Science*, **2007**, 120, 1967-77	5.3	41
139	Microtubule-organizing center formation at telomeres induces meiotic telomere clustering. *Journal of Cell Biology*, **2013**, 200, 385-95	7.3	40
138	Nucleoporin Nup98: a gatekeeper in the eukaryotic kingdoms. *Genes To Cells*, **2010**, 15, 661-9	2.3	38
137	Telomere-nuclear envelope dissociation promoted by Rap1 phosphorylation ensures faithful chromosome segregation. *Current Biology*, **2012**, 22, 1932-7	6.3	37
136	A Genetically Encoded Probe for Live-Cell Imaging of H4K20 Monomethylation. *Journal of Molecular Biology*, **2016**, 428, 3885-3902	6.5	36
135	Activation of the pheromone-responsive MAP kinase drives haploid cells to undergo ectopic meiosis with normal telomere clustering and sister chromatid segregation in fission yeast. *Journal of Cell Science*, **2004**, 117, 3875-86	5.3	36
134	Live observation of forespore membrane formation in fission yeast. *Molecular Biology of the Cell*, **2008**, 19, 3544-53	3.5	35
133	Assembly of additional heterochromatin distinct from centromere-kinetochore chromatin is required for de novo formation of human artificial chromosome. *Journal of Cell Science*, **2005**, 118, 5885-98	5.3	35
132	Meiotic cohesin-based chromosome structure is essential for homologous chromosome pairing in Schizosaccharomyces pombe. *Chromosoma*, **2016**, 125, 205-14	2.8	34
131	Molecular Communication through Gap Junction Channels: System Design, Experiments and Modeling **2007**,		34
130	Live observation of fission yeast meiosis in recombination-deficient mutants. *Journal of Cell Science* , **2001**, 114, 2843-2853	5.3	33
129	Accurate and fiducial-marker-free correction for three-dimensional chromatic shift in biological fluorescence microscopy. *Scientific Reports*, **2018**, 8, 7583	4.9	33
128	Histone H3K36 trimethylation is essential for multiple silencing mechanisms in fission yeast. *Nucleic Acids Research*, **2016**, 44, 4147-62	20.1	31
127	Cooperative target tracking by a mobile bionanosensor network. *IEEE Transactions on Nanobioscience*, **2014**, 13, 267-77	3.4	31
126	Fluorescence correlation spectroscopy with visible-wavelength superconducting nanowire single-photon detector. *Optics Express*, **2014**, 22, 28783-9	3.3	31
125	A novel fission yeast gene, tht1+, is required for the fusion of nuclear envelopes during karyogamy. *Journal of Cell Biology*, **1998**, 140, 247-58	7.3	31
124	Not so peculiar: fission yeast telomere repeats. *Trends in Biochemical Sciences*, **1998**, 23, 126	10.3	30
123	Characterization of fission yeast meiotic mutants based on live observation of meiotic prophase nuclear movement. *Chromosoma*, **2000**, 109, 103-9	2.8	29

122	Methods and Applications of Mobile Molecular Communication. *Proceedings of the IEEE*, **2019**, 107, 1442-1456	14.5	28
121	Chromosome Scaffold is a Double-Stranded Assembly of Scaffold Proteins. *Scientific Reports*, **2015**, 5, 11916	4.9	28
120	A defect in protein farnesylation suppresses a loss of Schizosaccharomyces pombe tsc2+, a homolog of the human gene predisposing to tuberous sclerosis complex. *Genetics*, **2006**, 173, 569-78	4	28
119	Reconstruction of the kinetochore during meiosis in fission yeast Schizosaccharomyces pombe. *Molecular Biology of the Cell*, **2006**, 17, 5173-84	3.5	28
118	Spindle checkpoint activation at meiosis I advances anaphase II onset via meiosis-specific APC/C regulation. *Journal of Cell Biology*, **2008**, 182, 277-88	7.3	27
117	Gene expression and distribution of Swi6 in partial aneuploids of the fission yeast Schizosaccharomyces pombe. *Cell Structure and Function*, **2007**, 32, 149-61	2.2	27
116	Molecular Communication through Gap Junction Channels. *Lecture Notes in Computer Science*, **2008**, 81-99	0.9	27
115	Mediator directs co-transcriptional heterochromatin assembly by RNA interference-dependent and -independent pathways. *PLoS Genetics*, **2013**, 9, e1003677	6	26
114	From meiosis to postmeiotic events: alignment and recognition of homologous chromosomes in meiosis. *FEBS Journal*, **2010**, 277, 565-70	5.7	25
113	Identification of Conserved MEL-28/ELYS Domains with Essential Roles in Nuclear Assembly and Chromosome Segregation. *PLoS Genetics*, **2016**, 12, e1006131	6	25
112	Inner nuclear membrane protein Lem2 augments heterochromatin formation in response to nutritional conditions. *Genes To Cells*, **2016**, 21, 812-32	2.3	25
111	Spatiotemporal regulations of Wee1 at the G2/M transition. *Molecular Biology of the Cell*, **2011**, 22, 555-69	3.5	24
110	Peroxisomes are formed from complex membrane structures in PEX6-deficient CHO cells upon genetic complementation. *Molecular Biology of the Cell*, **2002**, 13, 711-22	3.5	24
109	Chromosome-associated RNA-protein complexes promote pairing of homologous chromosomes during meiosis in Schizosaccharomyces pombe. *Nature Communications*, **2019**, 10, 5598	17.4	24
108	BAF is a cytosolic DNA sensor that leads to exogenous DNA avoiding autophagy. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 7027-32	11.5	23
107	Interaction of the chromatin compaction-inducing domain (LR domain) of Ki-67 antigen with HP1 proteins. *Genes To Cells*, **2002**, 7, 1231-42	2.3	23
106	Shugoshin forms a specialized chromatin domain at subtelomeres that regulates transcription and replication timing. *Nature Communications*, **2016**, 7, 10393	17.4	23
105	Histone H4 acetylation required for chromatin decompaction during DNA replication. *Scientific Reports*, **2015**, 5, 12720	4.9	22

104	Distinctive responses to nitrogen starvation in the dominant active mutants of the fission yeast Rheb GTPase. *Genetics*, **2009**, 183, 517-27	4	21
103	The histone variant H2A.Z promotes initiation of meiotic recombination in fission yeast. *Nucleic Acids Research*, **2018**, 46, 609-620	20.1	20
102	Biased assembly of the nuclear pore complex is required for somatic and germline nuclear differentiation in Tetrahymena. *Journal of Cell Science*, **2015**, 128, 1812-23	5.3	20
101	Mitotic specific phosphorylation of serine-1212 in human DNA topoisomerase IIalpha. *Cell Structure and Function*, **2001**, 26, 215-26	2.2	20
100	Compositionally distinct nuclear pore complexes of functionally distinct dimorphic nuclei in the ciliate. *Journal of Cell Science*, **2017**, 130, 1822-1834	5.3	19
99	Puromycin resistance gene as an effective selection marker for ciliate Tetrahymena. *Gene*, **2014**, 534, 249-55	3.8	19
98	Rotational diffusion measurements using polarization-dependent fluorescence correlation spectroscopy based on superconducting nanowire single-photon detector. *Optics Express*, **2015**, 23, 32633-42	3.3	19
97	Symmetry, asymmetry, and kinetics of silencing establishment in Saccharomyces cerevisiae revealed by single-cell optical assays. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 1209-16	11.5	18
96	The Chaperone FACT and Histone H2B Ubiquitination Maintain S. pombe Genome Architecture through Genic and Subtelomeric Functions. *Molecular Cell*, **2020**, 77, 501-513.e7	17.6	18
95	Meiotic cohesin subunits RAD21L and REC8 are positioned at distinct regions between lateral elements and transverse filaments in the synaptonemal complex of mouse spermatocytes. *Journal of Reproduction and Development*, **2016**, 62, 623-630	2.1	18
94	Regulation of ectopic heterochromatin-mediated epigenetic diversification by the JmjC family protein Epe1. *PLoS Genetics*, **2019**, 15, e1008129	6	17
93	A cohesin-based structural platform supporting homologous chromosome pairing in meiosis. *Current Genetics*, **2016**, 62, 499-502	2.9	17
92	Lem2 is retained at the nuclear envelope through its interaction with Bqt4 in fission yeast. *Genes To Cells*, **2018**, 23, 122-135	2.3	16
91	Nuclear structure-associated TIF2 recruits glucocorticoid receptor and its target DNA. *Biochemical and Biophysical Research Communications*, **2004**, 320, 218-25	3.4	16
90	Asymmetrical localization of Nup107-160 subcomplex components within the nuclear pore complex in fission yeast. *PLoS Genetics*, **2019**, 15, e1008061	6	15
89	The very-long-chain fatty acid elongase Elo2 rescues lethal defects associated with loss of the nuclear barrier function in fission yeast cells. *Journal of Cell Science*, **2019**, 132,	5.3	15
88	Non-destructive handling of individual chromatin fibers isolated from single cells in a microfluidic device utilizing an optically driven microtool. *Lab on A Chip*, **2014**, 14, 696-704	7.2	15
87	A mutation of the fission yeast EB1 overcomes negative regulation by phosphorylation and stabilizes microtubules. *Experimental Cell Research*, **2012**, 318, 262-75	4.2	15

86	Nuclear envelope attachment is not necessary for telomere function in fission yeast. *Nucleus*, **2010**, 1, 481-6	3.9	14
85	Transcriptional Suppression by Transient Recruitment of ARIP4 to Sumoylated nuclear receptor Ad4BP/SF-1. *Molecular Biology of the Cell*, **2009**, 20, 4235-45	3.5	14
84	A locally-induced increase in intracellular Ca2+ propagates cell-to-cell in the presence of plasma membrane Ca2+ ATPase inhibitors in non-excitable cells. *FEBS Letters*, **2009**, 583, 3593-9	3.8	14
83	The carboxy-terminus of Alp4 alters microtubule dynamics to induce oscillatory nuclear movement led by the spindle pole body in Schizosaccharomyces pombe. *Genes To Cells*, **2006**, 11, 337-52	2.3	14
82	Overexpression of the human MNB/DYRK1A gene induces formation of multinucleate cells through overduplication of the centrosome. *BMC Cell Biology*, **2003**, 4, 12		14
81	Fluorescence imaging of mammalian living cells. *Chromosome Research*, **1996**, 4, 173-6	4.4	14
80	Live-cell fluorescence imaging of meiotic chromosome dynamics in Schizosaccharomyces pombe. *Methods in Molecular Biology*, **2009**, 558, 53-64	1.4	14
79	Virtual Nuclear Envelope Breakdown and Its Regulators in Fission Yeast Meiosis. *Frontiers in Cell and Developmental Biology*, **2016**, 4, 5	5.7	13
78	A method of correlative light and electron microscopy for yeast cells. *Micron*, **2014**, 61, 53-61	2.3	12
77	The CCR4-NOT complex is implicated in the viability of aneuploid yeasts. *PLoS Genetics*, **2012**, 8, e1002776	6	12
76	Function of nuclear membrane proteins in shaping the nuclear envelope integrity during closed mitosis. *Journal of Biochemistry*, **2017**, 161, 471-477	3.1	11
75	Roles of Nup133, Nup153 and membrane fenestrations in assembly of the nuclear pore complex at the end of mitosis. *Genes To Cells*, **2019**, 24, 338-353	2.3	11
74	Lem2 and Lnp1 maintain the membrane boundary between the nuclear envelope and endoplasmic reticulum. *Communications Biology*, **2020**, 3, 276	6.7	11
73	Borna Disease Virus Assembles Porous Cage-like Viral Factories in the Nucleus. *Journal of Biological Chemistry*, **2016**, 291, 25789-25798	5.4	11
72	The role of chromosomal retention of noncoding RNA in meiosis. *Chromosome Research*, **2013**, 21, 665-72	4.4	11
71	Characterization of rec15, an early meiotic recombination gene in Schizosaccharomyces pombe. *Current Genetics*, **2005**, 48, 323-33	2.9	11
70	Identification of ribonucleotide reductase protein R1 as an activator of microtubule nucleation in Xenopus egg mitotic extracts. *Molecular Biology of the Cell*, **2000**, 11, 4173-87	3.5	11
69	Exportin 4 interacts with Sox9 through the HMG Box and inhibits the DNA binding of Sox9. *PLoS ONE*, **2011**, 6, e25694	3.7	11

68	Depletion of autophagy receptor p62/SQSTM1 enhances the efficiency of gene delivery in mammalian cells. *FEBS Letters*, **2016**, 590, 2671-80	3.8	11
67	Exportin Crm1 is repurposed as a docking protein to generate microtubule organizing centers at the nuclear pore. *ELife*, **2018**, 7,	8.9	10
66	Shelterin promotes tethering of late replication origins to telomeres for replication-timing control. *EMBO Journal*, **2018**, 37,	13	10
65	Physical breakdown of the nuclear envelope is not necessary for breaking its barrier function. *Nucleus*, **2011**, 2, 523-6	3.9	10
64	Biological excitable media based on non-excitable cells and calcium signaling. *Nano Communication Networks*, **2010**, 1, 43-49	2.9	10
63	Chromosomes rein back the spindle pole body during horsetail movement in fission yeast meiosis. *Cell Structure and Function*, **2014**, 39, 93-100	2.2	9
62	Spatial organization of the Schizosaccharomyces pombe genome within the nucleus. *Yeast*, **2017**, 34, 55-66	3.4	9
61	Microplatform for intercellular communication **2008**,		9
60	Lipid droplet dynamics during sporulation and their role in spore survival. *Biology Open*, **2017**, 6, 217-222	2.2	9
59	p62/SQSTM1 promotes rapid ubiquitin conjugation to target proteins after endosome rupture during xenophagy. *FEBS Open Bio*, **2018**, 8, 470-480	2.7	8
58	Modulation of Alp4 function in Schizosaccharomyces pombe induces novel phenotypes that imply distinct functions for nuclear and cytoplasmic gamma-tubulin complexes. *Genes To Cells*, **2006**, 11, 319-36	2.3	8
57	Uniquely designed nuclear structures of lower eukaryotes. *Current Opinion in Cell Biology*, **2016**, 40, 66-73		8
56	The conserved histone variant H2A.Z illuminates meiotic recombination initiation. *Current Genetics*, **2018**, 64, 1015-1019	2.9	7
55	Ser7 of RNAPII-CTD facilitates heterochromatin formation by linking ncRNA to RNAi. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E11208-E11217	11.5	7
54	Meiotic nuclear movements in fission yeast are regulated by the transcription factor Mei4 downstream of a Cds1-dependent replication checkpoint pathway. *Genes To Cells*, **2015**, 20, 160-72	2.3	7
53	Reconstruction of the kinetochore: a prelude to meiosis. *Cell Division*, **2007**, 2, 17	2.8	7
52	Schizosaccharomyces pombe taf1+ is required for nitrogen starvation-induced sexual development and for entering the dormant GO state. *Current Genetics*, **2001**, 38, 307-13	2.9	7
51	Three-dimensional light microscopy of diploid Drosophila chromosomes. *Cytoskeleton*, **1988**, 10, 18-27		7

50	Visualization of a Specific Genome Locus by the /LacI-GFP System. *Cold Spring Harbor Protocols*, **2017**, 2017, pdb.prot091934	1.2	6
49	Nup132 modulates meiotic spindle attachment in fission yeast by regulating kinetochore assembly. *Journal of Cell Biology*, **2015**, 211, 295-308	7.3	6
48	Purification and characterization of the fission yeast telomere clustering factors, Bqt1 and Bqt2. *Protein Expression and Purification*, **2013**, 88, 207-13	2	6
47	Modeling and performance evaluation of mobile bionanosensor networks for target tracking **2014**,		6
46	Monoclonal antibodies recognize gly-leu-phe-gly repeat of nucleoporin nup98 of tetrahymena, yeasts, and humans. *Monoclonal Antibodies in Immunodiagnosis and Immunotherapy*, **2013**, 32, 81-90	1.9	6
45	Nuclear translocation of RanGAP1 coincides with virtual nuclear envelope breakdown in fission yeast meiosis. *Communicative and Integrative Biology*, **2011**, 4, 312-4	1.7	6
44	Functional domain analysis of human HP1 isoforms in Drosophila. *Cell Structure and Function*, **2007**, 32, 57-67	2.2	6
43	The nuclear pore complex acts as a master switch for nuclear and cell differentiation. *Communicative and Integrative Biology*, **2015**, 8, e1056950	1.7	5
42	Nuclear localization signal targeting to macronucleus and micronucleus in binucleated ciliate Tetrahymena thermophila. *Genes To Cells*, **2018**, 23, 568-579	2.3	5
41	Selective autophagic receptor p62 regulates the abundance of transcriptional coregulator ARIP4 during nutrient starvation. *Scientific Reports*, **2015**, 5, 14498	4.9	5
40	Chromosomally-retained RNA mediates homologous pairing. *Nucleus*, **2012**, 3, 516-9	3.9	5
39	Three-dimensional image reconstruction for biological micro-specimens using a double-axis fluorescence microscope. *Optics Communications*, **1997**, 138, 21-26	2	5
38	Molecular communication through gap junction channels: System design, experiments and modeling **2007**,		5
37	Phase separation drives pairing of homologous chromosomes. *Current Genetics*, **2020**, 66, 881-887	2.9	5
36	Fission yeast APC/C activators Slp1 and Fzr1 sequentially trigger two consecutive nuclear divisions during meiosis. *FEBS Letters*, **2017**, 591, 1029-1040	3.8	4
35	Uncleavable Nup98-Nup96 is functional in the fission yeast Schizosaccharomyces pombe. *FEBS Open Bio*, **2015**, 5, 508-14	2.7	4
34	Cellular economy in fission yeast cells continuously cultured with limited nitrogen resources. *Scientific Reports*, **2015**, 5, 15617	4.9	4
33	Application of GFP. Time-Lapse Multi-Wavelength Fluorescence Imaging of Living Malnnralian Cells.. *Acta Histochemica Et Cytochemica*, **2000**, 33, 169-175	1.9	4

32	A double-axis microscope and its three-dimensional image position adjustment based on an optical marker method. *Optics Communications*, **1996**, 129, 237-244	2	4
31	Microscopic Observation of Living Cells Stained with Fluorescent Probes. *Cold Spring Harbor Protocols*, **2017**, 2017, pdb.prot079848	1.2	3
30	Nuclear Envelope Proteins Modulating the Heterochromatin Formation and Functions in Fission Yeast. *Cells*, **2020**, 9,	7.9	3
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13	Chromatin loading of MCM hexamers is associated with di-/tri-methylation of histone H4K20 toward S phase entry. *Nucleic Acids Research*, **2021**, 49, 12152-12166	20.1	1
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