

# Mitsuhiro Yanagida

## List of Publications by Year in descending order

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80  
papers

7,728  
citations

81900

39  
h-index

64796

79  
g-index

82  
all docs

82  
docs citations

82  
times ranked

5674  
citing authors

#	ARTICLE	IF	CITATIONS
1	CRM1 is responsible for intracellular transport mediated by the nuclear export signal. <i>Nature</i> , 1997, 390, 308-311.	27.8	1,142
2	The NDA3 gene of fission yeast encodes $\hat{\gamma}$ -tubulin: A cold-sensitive <i>nda3</i> mutation reversibly blocks spindle formation and chromosome movement in mitosis. <i>Cell</i> , 1984, 39, 349-358.	28.9	491
3	Cut2 proteolysis required for sister-chromatid separation in fission yeast. <i>Nature</i> , 1996, 381, 438-441.	27.8	466
4	Mis16 and Mis18 Are Required for CENP-A Loading and Histone Deacetylation at Centromeres. <i>Cell</i> , 2004, 118, 715-729.	28.9	391
5	Novel potential mitotic motor protein encoded by the fission yeast <i>cut7+</i> gene. <i>Nature</i> , 1990, 347, 563-566.	27.8	366
6	Requirement of Mis6 Centromere Connector for Localizing a CENP-A-Like Protein in Fission Yeast. <i>Science</i> , 2000, 288, 2215-2219.	12.6	365
7	Individual variability in human blood metabolites identifies age-related differences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4252-4259.	7.1	294
8	Dynamics of Centromeres during Metaphase–Anaphase Transition in Fission Yeast: Dis1 Is Implicated in Force Balance in Metaphase Bipolar Spindle. <i>Molecular Biology of the Cell</i> , 1998, 9, 3211-3225.	2.1	291
9	Isolation and characterization of <i>Schizosaccharomyces pombe cut</i> mutants that block nuclear division but not cytokinesis. <i>EMBO Journal</i> , 1986, 5, 2973-2979.	7.8	279
10	Kinesin-related cut 7 protein associates with mitotic and meiotic spindles in fission yeast. <i>Nature</i> , 1992, 356, 74-76.	27.8	255
11	Mis6, a Fission Yeast Inner Centromere Protein, Acts during G1/S and Forms Specialized Chromatin Required for Equal Segregation. <i>Cell</i> , 1997, 90, 131-143.	28.9	227
12	Human centromere chromatin protein hMis12, essential for equal segregation, is independent of CENP-A loading pathway. <i>Journal of Cell Biology</i> , 2003, 160, 25-39.	5.2	216
13	20S cyclosome complex formation and proteolytic activity inhibited by the cAMP/PKA pathway. <i>Nature</i> , 1996, 384, 276-279.	27.8	156
14	Condensin Architecture and Interaction with DNA. <i>Current Biology</i> , 2002, 12, 508-513.	3.9	139
15	DNA renaturation activity of the SMC complex implicated in chromosome condensation. <i>Nature</i> , 1997, 388, 798-801.	27.8	132
16	Cnd2 has dual roles in mitotic condensation and interphase. <i>Nature</i> , 2002, 417, 197-202.	27.8	132
17	A Cell Cycle-Regulated GATA Factor Promotes Centromeric Localization of CENP-A in Fission Yeast. <i>Molecular Cell</i> , 2003, 11, 175-187.	9.7	130
18	A globular complex formation by Nda1 and the other five members of the MCM protein family in fission yeast. <i>Genes To Cells</i> , 1997, 2, 467-479.	1.2	126

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19	Construction of a mini-chromosome by deletion and its mitotic and meiotic behaviour in fission yeast. <i>Molecular Genetics and Genomics</i> , 1986, 203, 397-405.	2.4	105
20	Frailty markers comprise blood metabolites involved in antioxidation, cognition, and mobility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9483-9489.	7.1	95
21	Cellular quiescence: are controlling genes conserved?. <i>Trends in Cell Biology</i> , 2009, 19, 705-715.	7.9	88
22	Bir1/Cut17 moving from chromosome to spindle upon the loss of cohesion is required for condensation, spindle elongation and repair. <i>Genes To Cells</i> , 2001, 6, 743-763.	1.2	87
23	Genetic control of cellular quiescence in <i>S. pombe</i> . <i>Journal of Cell Science</i> , 2009, 122, 1418-1429.	2.0	79
24	Synergistic roles of the proteasome and autophagy for mitochondrial maintenance and chronological lifespan in fission yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3540-3545.	7.1	78
25	Metabolic profiling of the fission yeast <i>S. pombe</i> : quantification of compounds under different temperatures and genetic perturbation. <i>Molecular BioSystems</i> , 2009, 6, 182-198.	2.9	74
26	The regulatory subunits of fission yeast protein phosphatase 2A (PP2A) affect cell morphogenesis, cell wall synthesis and cytokinesis. <i>Genes To Cells</i> , 1996, 1, 29-45.	1.2	72
27	Dissection of the essential steps for condensin accumulation at kinetochores and rDNAs during fission yeast mitosis. <i>Journal of Cell Biology</i> , 2008, 180, 1115-1131.	5.2	72
28	<i>Schizosaccharomyces pombe</i> cell division cycle under limited glucose requires Ssp1 kinase, the putative CaMKK, and Sds23, a PP2A-related phosphatase inhibitor. <i>Genes To Cells</i> , 2009, 14, 539-554.	1.2	67
29	Specific biomarkers for stochastic division patterns and starvation-induced quiescence under limited glucose levels in fission yeast. <i>FEBS Journal</i> , 2011, 278, 1299-1315.	4.7	64
30	Two-step, extensive alterations in the transcriptome from G0 arrest to cell division in <i>Schizosaccharomyces pombe</i> . <i>Genes To Cells</i> , 2007, 12, 677-692.	1.2	57
31	Mechanisms of expression and translocation of major fission yeast glucose transporters regulated by CaMKK/phosphatases, nuclear shuttling, and TOR. <i>Molecular Biology of the Cell</i> , 2015, 26, 373-386.	2.1	57
32	Nutrient limitations alter cell division control and chromosome segregation through growth-related kinases and phosphatases. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3508-3520.	4.0	54
33	Condensin phosphorylated by the Aurora-B-like kinase Ark1 is continuously required until telophase in a mode distinct from Top2. <i>Journal of Cell Science</i> , 2011, 124, 1795-1807.	2.0	53
34	Frontier questions about sister chromatid separation in anaphase. <i>BioEssays</i> , 1995, 17, 519-526.	2.5	52
35	Diverse metabolic reactions activated during 58-hr fasting are revealed by non-targeted metabolomic analysis of human blood. <i>Scientific Reports</i> , 2019, 9, 854.	3.3	50
36	Unexpected similarities between the <i>Schizosaccharomyces</i> and human blood metabolomes, and novel human metabolites. <i>Molecular BioSystems</i> , 2014, 10, 2538-2551.	2.9	49

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37	Dissection of fission yeast microtubule associating protein p93 Dis1 : regions implicated in regulated localization and microtubule interaction. <i>Genes To Cells</i> , 1996, 1, 633-644.	1.2	47
38	Opposing role of condensin hinge against replication protein A in mitosis and interphase through promoting DNA annealing. <i>Open Biology</i> , 2011, 1, 110023.	3.6	46
39	Mapping epigenetic mutations in fission yeast using whole-genome next-generation sequencing. <i>Genome Research</i> , 2009, 19, 1077-1083.	5.5	44
40	Involvement of CRM1, a nuclear export receptor, in mRNA export in mammalian cells and fission yeast. <i>Genes To Cells</i> , 1999, 4, 291-297.	1.2	40
41	Distinct modes of DNA damage response in <i>S. pombe</i> G0 and vegetative cells. <i>Genes To Cells</i> , 2005, 11, 13-27.	1.2	38
42	<sc>RNA</sc> pol <sc>II</sc> transcript abundance controls condensin accumulation at mitotically up<sc>regulated</sc> and heat<sc>shock</sc>-inducible genes in fission yeast. <i>Genes To Cells</i> , 2015, 20, 481-499.	1.2	38
43	Fission yeast APC/cyclosome subunits, Cut20/Apc4 and Cut23/Apc8, in regulating metaphase-anaphase progression and cellular stress responses. <i>Genes To Cells</i> , 1999, 4, 445-463.	1.2	37
44	The role of Ppe1/PP6 phosphatase for equal chromosome segregation in fission yeast kinetochore. <i>EMBO Journal</i> , 2003, 22, 2752-2763.	7.8	36
45	<i>Schizosaccharomyces pombe</i> centromere protein <sc>M</sc>is19 links <sc>M</sc>is16 and <sc>M</sc>is18 to recruit <sc>CENP</sc>â€A through interacting with <sc>NMD</sc> factors and the <sc>SWI</sc>/<sc>SNF</sc> complex. <i>Genes To Cells</i> , 2014, 19, 541-554.	1.2	36
46	An interactive gene network for securin-separase, condensin, cohesin, Dis1/Mtc1 and histones constructed by mass transformation. <i>Genes To Cells</i> , 2004, 9, 1069-1082.	1.2	35
47	Impaired coenzyme A synthesis in fission yeast causes defective mitosis, quiescence-exit failure, histone hypoacetylation and fragile DNA. <i>Open Biology</i> , 2012, 2, 120117.	3.6	32
48	The critical glucose concentration for respiration-independent proliferation of fission yeast, <i>Schizosaccharomyces pombe</i> . <i>Mitochondrion</i> , 2015, 22, 91-95.	3.4	32
49	Metabolomic Analysis of Fission Yeast at the Onset of Nitrogen Starvation. <i>Metabolites</i> , 2013, 3, 1118-1129.	2.9	30
50	Whole Blood Metabolomics in Aging Research. <i>International Journal of Molecular Sciences</i> , 2021, 22, 175.	4.1	30
51	Universal and essential role of MPFcdc2+. <i>Nature</i> , 1988, 336, 430-430.	27.8	28
52	Fission Yeast MAP Kinase Is Required for the Increased Securin-Separase Interaction That Rescues Separase Mutants Under Stress. <i>Cell Cycle</i> , 2006, 5, 1831-1839.	2.6	28
53	Caffeine-resistance in fission yeast is caused by mutations in a single essential gene, crm1 +. <i>Molecular Genetics and Genomics</i> , 1996, 250, 59-68.	2.4	25
54	Genetic regulation of mitotic competence in G <sub>0</sub> quiescent cells. <i>Science Advances</i> , 2018, 4, eaat5685.	10.3	23

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55	Cut1/separase-dependent roles of multiple phosphorylation of fission yeast cohesin subunit Rad21 in post-replicative damage repair and mitosis. <i>Cell Cycle</i> , 2008, 7, 765-776.	2.6	22
56	Coupling of DNA replication and mitosis by fission yeast rad4/cut5. <i>Journal of Cell Science</i> , 1994, 1994, 57-61.	2.0	21
57	A large circular minichromosome of <i>Schizosaccharomyces pombe</i> requires a high dose of type II DNA topoisomerase for its stabilization. <i>Molecular Genetics and Genomics</i> , 1995, 246, 671-679.	2.4	21
58	Time course analysis of precocious separation of sister centromeres in budding yeast: continuously separated or frequently reassociated?. <i>Genes To Cells</i> , 2001, 6, 765-773.	1.2	21
59	Mis17 Is a Regulatory Module of the Mis6-Mal2-Sim4 Centromere Complex That Is Required for the Recruitment of CenH3/CENP-A in Fission Yeast. <i>PLoS ONE</i> , 2011, 6, e17761.	2.5	18
60	Mis3 with a conserved RNA binding motif is essential for ribosome biogenesis and implicated in the start of cell growth and S phase checkpoint. <i>Genes To Cells</i> , 2000, 5, 525-541.	1.2	14
61	Whole-Genome Sequencing of Suppressor DNA Mixtures Identifies Pathways That Compensate for Chromosome Segregation Defects in <i>Schizosaccharomyces pombe</i> . <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 1031-1038.	1.8	14
62	Diminishing HDACs by drugs or mutations promotes normal or abnormal sister chromatid separation by affecting APC/C and adherin. <i>Journal of Cell Science</i> , 2008, 121, 1107-1118.	2.0	13
63	Protein Phosphatases and Cell Division Cycle Control. <i>Novartis Foundation Symposium</i> , 1992, 170, 130-146.	1.1	13
64	Condensin locates at transcriptional termination sites in mitosis, possibly releasing mitotic transcripts. <i>Open Biology</i> , 2019, 9, 190125.	3.6	12
65	Ageing markers in human urine: A comprehensive, non-targeted LC-MS study. <i>FASEB BioAdvances</i> , 2020, 2, 720-733.	2.4	11
66	Cloning of a gene from the fission yeast <i>S. pombe</i> which complements <i>E. coli</i> pyrB, the gene for aspartate transcarbamylase. <i>Molecular Genetics and Genomics</i> , 1981, 182, 426-429.	2.4	10
67	Condensin HEAT Subunits Required for DNA Repair, Kinetochores/Centromere Function and Ploidy Maintenance in Fission Yeast. <i>PLoS ONE</i> , 2015, 10, e0119347.	2.5	10
68	Fission yeast ceramide ts mutants <i>cwh43</i> exhibit defects in G0 quiescence, nutrient metabolism, and lipid homeostasis. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	9
69	Cloning of the Fatty Acid Synthetase $\beta^2$ Subunit from Fission Yeast, Coexpression with the $\beta^1$ Subunit, and Purification of the Intact Multifunctional Enzyme Complex. <i>Protein Expression and Purification</i> , 1998, 13, 403-413.	1.3	8
70	ICRF193, an anticancer topoisomerase II inhibitor, induces arched telophase spindles that snap, leading to a ploidy increase in fission yeast. <i>Genes To Cells</i> , 2016, 21, 978-993.	1.2	7
71	A 38 kb segment containing the <i>cdc2</i> gene from the left arm of fission yeast chromosome II: sequence analysis and characterization of the genomic DNA and cDNAs encoded on the segment. <i>Yeast</i> , 2000, 16, 71-80.	1.7	4
72	Genetic defects in SAPK signalling, chromatin regulation, vesicle transport and CoA-related lipid metabolism are rescued by rapamycin in fission yeast. <i>Open Biology</i> , 2018, 8, .	3.6	4

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73	Coordinated Roles of the Putative Ceramide-Conjugation Protein, Cwh43, and a Mn <sup>2+</sup> -Transporting, P-Type ATPase, Pmr1, in Fission Yeast. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2667-2676.	1.8	4
74	Infection-triggered release of tempocholine from bacteriophage T4 studied by electron spin resonance. <i>FEBS Letters</i> , 1978, 89, 29-32.	2.8	3
75	The grant-getting game in Japan. <i>Nature</i> , 1990, 343, 111-112.	27.8	3
76	POLYTENE CHROMOSOMES ISOLATED FROM NUCLEI OF TOKUNAGAYUSURIKA AKAMUSHI (DIPTERA,) Tj ETQq0 0 0 rgBT /Overlock 10 ENZYMES. <i>Development Growth and Differentiation</i> , 1980, 22, 1-10.	1.5	2
77	A telomerase mutant defective in sister chromatid separation at mitosis. <i>BioEssays</i> , 1997, 19, 557-559.	2.5	2
78	Multiple nutritional phenotypes of fission yeast mutants defective in genes encoding essential mitochondrial proteins. <i>Open Biology</i> , 2021, 11, 200369.	3.6	2
79	Negative Regulation of the Mis17-Mis6 Centromere Complex by mRNA Decay Pathway and EKC/KEOPS Complex in <i>Schizosaccharomyces pombe</i> . <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1815-1823.	1.8	1
80	Mass isolation of polytene nuclei of Tokunagayusurika akamushi (Diptera, Chironomidae): Biochemical and morphological characterization.. <i>Cell Structure and Function</i> , 1982, 7, 49-59.	1.1	1