

Yoshinori Watanabe

List of Publications by Citations

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

82

papers

8,257

citations

46

h-index

87

g-index

87

ext. papers

9,377

ext. citations

18.7

avg, IF

6.06

L-index

#	Paper	IF	Citations
82	Shugoshin collaborates with protein phosphatase 2A to protect cohesin. <i>Nature</i> , 2006 , 441, 46-52	50.4	469
81	The conserved kinetochore protein shugoshin protects centromeric cohesion during meiosis. <i>Nature</i> , 2004 , 427, 510-7	50.4	459
80	Cohesin relocation from sites of chromosomal loading to places of convergent transcription. <i>Nature</i> , 2004 , 430, 573-8	50.4	459
79	Cohesin Rec8 is required for reductional chromosome segregation at meiosis. <i>Nature</i> , 1999 , 400, 461-4	50.4	447
78	Recruitment of cohesin to heterochromatic regions by Swi6/HP1 in fission yeast. <i>Nature Cell Biology</i> , 2002 , 4, 89-93	23.4	388
77	Phosphorylation of H2A by Bub1 prevents chromosomal instability through localizing shugoshin. <i>Science</i> , 2010 , 327, 172-7	33.3	347
76	Two histone marks establish the inner centromere and chromosome bi-orientation. <i>Science</i> , 2010 , 330, 239-43	33.3	343
75	Age-related meiotic segregation errors in mammalian oocytes are preceded by depletion of cohesin and Sgo2. <i>Current Biology</i> , 2010 , 20, 1511-21	6.3	257
74	Selective elimination of messenger RNA prevents an incidence of untimely meiosis. <i>Nature</i> , 2006 , 442, 45-50	50.4	241
73	MPS1/Mph1 phosphorylates the kinetochore protein KNL1/Spc7 to recruit SAC components. <i>Nature Cell Biology</i> , 2012 , 14, 746-52	23.4	238
72	Human Bub1 defines the persistent cohesion site along the mitotic chromosome by affecting Shugoshin localization. <i>Current Biology</i> , 2005 , 15, 353-9	6.3	213
71	Unified mode of centromeric protection by shugoshin in mammalian oocytes and somatic cells. <i>Nature Cell Biology</i> , 2008 , 10, 42-52	23.4	212
70	Phosphorylation of the CPC by Cdk1 promotes chromosome bi-orientation. <i>Nature</i> , 2010 , 467, 719-23	50.4	183
69	A conserved KASH domain protein associates with telomeres, SUN1, and dynactin during mammalian meiosis. <i>Journal of Cell Biology</i> , 2012 , 198, 165-72	7.3	155
68	Phosphorylation of RNA-binding protein controls cell cycle switch from mitotic to meiotic in fission yeast. <i>Nature</i> , 1997 , 386, 187-90	50.4	155
67	A new meiosis-specific cohesin complex implicated in the cohesin code for homologous pairing. <i>EMBO Reports</i> , 2011 , 12, 267-75	6.5	154
66	Shugoshin enables tension-generating attachment of kinetochores by loading Aurora to centromeres. <i>Genes and Development</i> , 2007 , 21, 420-35	12.6	154

65	Heterochromatin links to centromeric protection by recruiting shugoshin. <i>Nature</i> , 2008 , 455, 251-5	50.4	147
64	Condensin association with histone H2A shapes mitotic chromosomes. <i>Nature</i> , 2011 , 474, 477-83	50.4	140
63	Kinetochores geometry defined by cohesion within the centromere. <i>Nature</i> , 2009 , 458, 852-8	50.4	133
62	The kinetochore protein Moa1 enables cohesion-mediated monopolar attachment at meiosis I. <i>Cell</i> , 2005 , 123, 803-17	56.2	131
61	Distinct cohesin complexes organize meiotic chromosome domains. <i>Science</i> , 2003 , 300, 1152-5	33.3	129
60	Shugoshin-PP2A counteracts casein-kinase-1-dependent cleavage of Rec8 by separase. <i>Nature Cell Biology</i> , 2010 , 12, 500-6	23.4	127
59	Pre-meiotic S phase is linked to reductional chromosome segregation and recombination. <i>Nature</i> , 2001 , 409, 359-63	50.4	126
58	Geometry and force behind kinetochore orientation: lessons from meiosis. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 370-82	48.7	120
57	<i>Schizosaccharomyces pombe</i> gad7+ encodes a phosphoprotein with a bZIP domain, which is required for proper G1 arrest and gene expression under nitrogen starvation. <i>Genes To Cells</i> , 1996 , 1, 391-408	2.3	118
56	The TRF1-binding protein TERB1 promotes chromosome movement and telomere rigidity in meiosis. <i>Nature Cell Biology</i> , 2014 , 16, 145-56	23.4	110
55	Rec8 cleavage by separase is required for meiotic nuclear divisions in fission yeast. <i>EMBO Journal</i> , 2003 , 22, 5643-53	13	108
54	Shugoshin: guardian spirit at the centromere. <i>Current Opinion in Cell Biology</i> , 2005 , 17, 590-5	9	108
53	Phosphorylation of mammalian Sgo2 by Aurora B recruits PP2A and MCAK to centromeres. <i>Genes and Development</i> , 2010 , 24, 2169-79	12.6	102
52	Meikin is a conserved regulator of meiosis-I-specific kinetochore function. <i>Nature</i> , 2015 , 517, 466-71	50.4	100
51	Cohesins determine the attachment manner of kinetochores to spindle microtubules at meiosis I in fission yeast. <i>Molecular and Cellular Biology</i> , 2003 , 23, 3965-73	4.8	94
50	Kinetochores orientation in mitosis and meiosis. <i>Cell</i> , 2004 , 119, 317-27	56.2	94
49	Meiotic DNA break formation requires the unsynapsed chromosome axis-binding protein IHO1 (CCDC36) in mice. <i>Nature Cell Biology</i> , 2016 , 18, 1208-1220	23.4	92
48	CENP-C functions as a scaffold for effectors with essential kinetochore functions in mitosis and meiosis. <i>Developmental Cell</i> , 2009 , 17, 334-43	10.2	87

47	Meiosis-specific cohesin mediates homolog recognition in mouse spermatocytes. <i>Genes and Development</i> , 2014 , 28, 594-607	12.6	83
46	Aurora controls sister kinetochore mono-orientation and homolog bi-orientation in meiosis-I. <i>EMBO Journal</i> , 2007 , 26, 4475-86	13	81
45	MAJIN Links Telomeric DNA to the Nuclear Membrane by Exchanging Telomere Cap. <i>Cell</i> , 2015 , 163, 1252-1266	56.2	80
44	Modifying sister chromatid cohesion for meiosis. <i>Journal of Cell Science</i> , 2004 , 117, 4017-23	5.3	69
43	Shugoshin protects cohesin complexes at centromeres. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005 , 360, 515-21, discussion 521	5.8	65
42	Sister chromatid cohesion along arms and at centromeres. <i>Trends in Genetics</i> , 2005 , 21, 405-12	8.5	58
41	Histone deacetylase 3 is required for centromeric H3K4 deacetylation and sister chromatid cohesion. <i>Genes and Development</i> , 2008 , 22, 2639-44	12.6	54
40	Repositioning of aurora B promoted by chiasmata ensures sister chromatid mono-orientation in meiosis I. <i>Developmental Cell</i> , 2011 , 21, 534-45	10.2	52
39	Studies of meiosis disclose distinct roles of cohesion in the core centromere and pericentromeric regions. <i>Chromosome Research</i> , 2009 , 17, 239-49	4.4	52
38	The dissection of meiotic chromosome movement in mice using an in vivo electroporation technique. <i>PLoS Genetics</i> , 2014 , 10, e1004821	6	50
37	Novel WD-repeat protein Mip1p facilitates function of the meiotic regulator Mei2p in fission yeast. <i>Molecular and Cellular Biology</i> , 2000 , 20, 1234-42	4.8	46
36	Essential role of the Cdk2 activator RingoA in meiotic telomere tethering to the nuclear envelope. <i>Nature Communications</i> , 2016 , 7, 11084	17.4	41
35	MEI4 is a central player in the regulation of meiotic DNA double-strand break formation in the mouse. <i>Journal of Cell Science</i> , 2015 , 128, 1800-11	5.3	40
34	The inner centromere-shugoshin network prevents chromosomal instability. <i>Science</i> , 2015 , 349, 1237-40	33.3	37
33	Mad1 promotes chromosome congression by anchoring a kinesin motor to the kinetochore. <i>Nature Cell Biology</i> , 2015 , 17, 1124-33	23.4	36
32	The meiosis-specific modification of mammalian telomeres. <i>Cell Cycle</i> , 2014 , 13, 2024-8	4.7	35
31	CPF-associated phosphatase activity opposes condensin-mediated chromosome condensation. <i>PLoS Genetics</i> , 2014 , 10, e1004415	6	34
30	Phosphorylation of cohesin Rec11/SA3 by casein kinase 1 promotes homologous recombination by assembling the meiotic chromosome axis. <i>Developmental Cell</i> , 2015 , 32, 220-30	10.2	32

29	Chromosome cohesion in mitosis and meiosis. <i>Journal of Cell Science</i> , 2007 , 120, 367-9	5.3	32
28	Pds5 Regulates Sister-Chromatid Cohesion and Chromosome Bi-orientation through a Conserved Protein Interaction Module. <i>Current Biology</i> , 2017 , 27, 1005-1012	6.3	30
27	Kinetochores composition and its function: lessons from yeasts. <i>FEMS Microbiology Reviews</i> , 2014 , 38, 185-200	15.1	30
26	Functional analysis of the C-terminal cytoplasmic region of the M-factor receptor in fission yeast. <i>Genes To Cells</i> , 2001 , 6, 201-14	2.3	28
25	Microtubule-associated coiled-coil protein Ssm4 is involved in the meiotic development in fission yeast. <i>Genes To Cells</i> , 1997 , 2, 155-66	2.3	25
24	The fission yeast meiotic regulator Mei2p undergoes nucleocytoplasmic shuttling. <i>FEBS Letters</i> , 2001 , 499, 251-5	3.8	24
23	The sequence necessary for the infectivity of hop stunt viroid cDNA clones. <i>Molecular Genetics and Genomics</i> , 1985 , 200, 199-206		24
22	Dissecting the telomere-inner nuclear membrane interface formed in meiosis. <i>Nature Structural and Molecular Biology</i> , 2017 , 24, 1064-1072	17.6	23
21	Schizosaccharomyces pombe Ste7p is required for both promotion and withholding of the entry to meiosis. <i>Genetics</i> , 2000 , 155, 539-49	4	22
20	Meikin-associated polo-like kinase specifies Bub1 distribution in meiosis I. <i>Genes To Cells</i> , 2017 , 22, 552-563	5.7	20
19	SGOL1 variant B induces abnormal mitosis and resistance to taxane in non-small cell lung cancers. <i>Scientific Reports</i> , 2013 , 3, 3012	4.9	18
18	Acetylation regulates monopolar attachment at multiple levels during meiosis I in fission yeast. <i>EMBO Reports</i> , 2011 , 12, 1189-95	6.5	18
17	Distinct TERB1 Domains Regulate Different Protein Interactions in Meiotic Telomere Movement. <i>Cell Reports</i> , 2017 , 21, 1715-1726	10.6	17
16	A one-sided view of kinetochores attachment in meiosis. <i>Cell</i> , 2006 , 126, 1030-2	56.2	10
15	Analysis of Meiosis. <i>Cold Spring Harbor Protocols</i> , 2017 , 2017, pdb.top079855	1.2	9
14	The spindle assembly checkpoint promotes chromosome bi-orientation: A novel Mad1 role in chromosome alignment. <i>Cell Cycle</i> , 2016 , 15, 493-7	4.7	8
13	The cohesin REC8 prevents illegitimate inter-sister synaptonemal complex assembly. <i>EMBO Reports</i> , 2016 , 17, 783-4	6.5	8
12	TH2A is phosphorylated at meiotic centromere by Haspin. <i>Chromosoma</i> , 2017 , 126, 769-780	2.8	6

11	Hierarchical Regulation of Centromeric Cohesion Protection by Meikin and Shugoshin during Meiosis I. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2017 , 82, 259-266	3.9	5
10	Synchronous Induction of Meiosis in the Fission Yeast. <i>Cold Spring Harbor Protocols</i> , 2017 , 2017, pdb.prot091777		
9	Evidence of meiosis-specific regulation of gene expression in lily microsporocytes. <i>Plant Science</i> , 1993 , 89, 31-41	5.3	3
8	Meikin synergizes with shugoshin to protect cohesin Rec8 during meiosis I. <i>Genes and Development</i> , 2021 , 35, 692-697	12.6	3
7	Live-cell microscopy of meiosis in spermatocytes. <i>Methods in Cell Biology</i> , 2018 , 145, 269-277	1.8	1
6	A Simple Method to Induce Meiosis and Sporulation Semisynchronously in the Fission Yeast. <i>Cold Spring Harbor Protocols</i> , 2017 , 2017, pdb.prot091785	1.2	1
5	Targeting condensin, a vital spot of MYCN-amplified neuroblastoma. <i>Cell Cycle</i> , 2014 , 13, 1224	4.7	1
4	Sister Chromatid Cohesion and Centromere Organization in Meiosis 2007 , 57-79		1
3	SET/TAF1 forms a distance-dependent feedback loop with Aurora B and Bub1 as a tension sensor at centromeres. <i>Scientific Reports</i> , 2020 , 10, 15653	4.9	1
2	Live Imaging of Chromosome Segregation during Meiosis in the Fission Yeast. <i>Cold Spring Harbor Protocols</i> , 2017 , 2017, pdb.prot091769	1.2	
1	The Molecular Mechanism of Chromosome Segregation Based on the Function of Sister Chromatid Cohesion Factor, Cohesins.. <i>Seibutsu Butsuri</i> , 2000 , 40, 321-325	0	