

Yoshinori Watanabe

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

9,939
citations

50276

46
h-index

62596

80
g-index

87
all docs

87
docs citations

87
times ranked

5961
citing authors

#	ARTICLE	IF	CITATIONS
1	Shugoshin collaborates with protein phosphatase 2A to protect cohesin. <i>Nature</i> , 2006, 441, 46-52.	27.8	545
2	Cohesin relocation from sites of chromosomal loading to places of convergent transcription. <i>Nature</i> , 2004, 430, 573-578.	27.8	544
3	The conserved kinetochore protein shugoshin protects centromeric cohesion during meiosis. <i>Nature</i> , 2004, 427, 510-517.	27.8	523
4	Cohesin Rec8 is required for reductional chromosome segregation at meiosis. <i>Nature</i> , 1999, 400, 461-464.	27.8	517
5	Phosphorylation of H2A by Bub1 Prevents Chromosomal Instability Through Localizing Shugoshin. <i>Science</i> , 2010, 327, 172-177.	12.6	430
6	Recruitment of cohesin to heterochromatic regions by Swi6/HP1 in fission yeast. <i>Nature Cell Biology</i> , 2002, 4, 89-93.	10.3	428
7	Two Histone Marks Establish the Inner Centromere and Chromosome Bi-Orientation. <i>Science</i> , 2010, 330, 239-243.	12.6	425
8	Age-Related Meiotic Segregation Errors in Mammalian Oocytes Are Preceded by Depletion of Cohesin and Sgo2. <i>Current Biology</i> , 2010, 20, 1511-1521.	3.9	303
9	MPS1/Mph1 phosphorylates the kinetochore protein KNL1/Spc7 to recruit SAC components. <i>Nature Cell Biology</i> , 2012, 14, 746-752.	10.3	301
10	Selective elimination of messenger RNA prevents an incidence of untimely meiosis. <i>Nature</i> , 2006, 442, 45-50.	27.8	289
11	Human Bub1 Defines the Persistent Cohesion Site along the Mitotic Chromosome by Affecting Shugoshin Localization. <i>Current Biology</i> , 2005, 15, 353-359.	3.9	233
12	Unified mode of centromeric protection by shugoshin in mammalian oocytes and somatic cells. <i>Nature Cell Biology</i> , 2008, 10, 42-52.	10.3	230
13	Phosphorylation of the CPC by Cdk1 promotes chromosome bi-orientation. <i>Nature</i> , 2010, 467, 719-723.	27.8	208
14	A conserved KASH domain protein associates with telomeres, SUN1, and dynactin during mammalian meiosis. <i>Journal of Cell Biology</i> , 2012, 198, 165-172.	5.2	200
15	A new meiosis-specific cohesin complex implicated in the cohesin code for homologous pairing. <i>EMBO Reports</i> , 2011, 12, 267-275.	4.5	195
16	Phosphorylation of RNA-binding protein controls cell cycle switch from mitotic to meiotic in fission yeast. <i>Nature</i> , 1997, 386, 187-190.	27.8	182
17	Shugoshin enables tension-generating attachment of kinetochores by loading Aurora to centromeres. <i>Genes and Development</i> , 2007, 21, 420-435.	5.9	177
18	Heterochromatin links to centromeric protection by recruiting shugoshin. <i>Nature</i> , 2008, 455, 251-255.	27.8	170

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19	Condensin association with histone H2A shapes mitotic chromosomes. <i>Nature</i> , 2011, 474, 477-483.	27.8	167
20	Kinetochore geometry defined by cohesion within the centromere. <i>Nature</i> , 2009, 458, 852-858.	27.8	161
21	Shugoshin ϵ PP2A counteracts casein-kinase-1-dependent cleavage of Rec8 by separase. <i>Nature Cell Biology</i> , 2010, 12, 500-506.	10.3	153
22	The Kinetochore Protein Moa1 Enables Cohesion-Mediated Monopolar Attachment at Meiosis I. <i>Cell</i> , 2005, 123, 803-817.	28.9	152
23	The TRF1-binding protein TERB1 promotes chromosome movement and telomere rigidity in meiosis. <i>Nature Cell Biology</i> , 2014, 16, 145-156.	10.3	152
24	Geometry and force behind kinetochore orientation: lessons from meiosis. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 370-382.	37.0	147
25	Meiotic DNA break formation requires the unsynapsed chromosome axis-binding protein IHO1 (CCDC36) in <i>Å</i> mice. <i>Nature Cell Biology</i> , 2016, 18, 1208-1220.	10.3	145
26	Distinct Cohesin Complexes Organize Meiotic Chromosome Domains. <i>Science</i> , 2003, 300, 1152-1155.	12.6	142
27	Pre-meiotic S phase is linked to reductional chromosome segregation and recombination. <i>Nature</i> , 2001, 409, 359-363.	27.8	138
28	Meikin is a conserved regulator of meiosis-I-specific kinetochore function. <i>Nature</i> , 2015, 517, 466-471.	27.8	138
29	<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.	1.2	135
30	Meiosis-specific cohesin mediates homolog recognition in mouse spermatocytes. <i>Genes and Development</i> , 2014, 28, 594-607.	5.9	128
31	Shugoshin: guardian spirit at the centromere. <i>Current Opinion in Cell Biology</i> , 2005, 17, 590-595.	5.4	120
32	MAJIN Links Telomeric DNA to the Nuclear Membrane by Exchanging Telomere Cap. <i>Cell</i> , 2015, 163, 1252-1266.	28.9	119
33	Phosphorylation of mammalian Sgo2 by Aurora B recruits PP2A and MCAK to centromeres. <i>Genes and Development</i> , 2010, 24, 2169-2179.	5.9	118
34	Rec8 cleavage by separase is required for meiotic nuclear divisions in fission yeast. <i>EMBO Journal</i> , 2003, 22, 5643-5653.	7.8	116
35	Cohesins Determine the Attachment Manner of Kinetochores to Spindle Microtubules at Meiosis I in Fission Yeast. <i>Molecular and Cellular Biology</i> , 2003, 23, 3965-3973.	2.3	115
36	Kinetochore Orientation in Mitosis and Meiosis. <i>Cell</i> , 2004, 119, 317-327.	28.9	108

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37	CENP-C Functions as a Scaffold for Effectors with Essential Kinetochores Functions in Mitosis and Meiosis. <i>Developmental Cell</i> , 2009, 17, 334-343.	7.0	104
38	Aurora controls sister kinetochore mono-orientation and homolog bi-orientation in meiosis-I. <i>EMBO Journal</i> , 2007, 26, 4475-4486.	7.8	90
39	Shugoshin protects cohesin complexes at centromeres. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 515-521.	4.0	73
40	Modifying sister chromatid cohesion for meiosis. <i>Journal of Cell Science</i> , 2004, 117, 4017-4023.	2.0	72
41	The Dissection of Meiotic Chromosome Movement in Mice Using an In Vivo Electroporation Technique. <i>PLoS Genetics</i> , 2014, 10, e1004821.	3.5	69
42	Sister chromatid cohesion along arms and at centromeres. <i>Trends in Genetics</i> , 2005, 21, 405-412.	6.7	66
43	MEI4: 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.	2.0	65
44	Histone deacetylase 3 is required for centromeric H3K4 deacetylation and sister chromatid cohesion. <i>Genes and Development</i> , 2008, 22, 2639-2644.	5.9	61
45	Mad1 promotes chromosome congression by anchoring a kinesin motor to the kinetochore. <i>Nature Cell Biology</i> , 2015, 17, 1124-1133.	10.3	61
46	Repositioning of Aurora B Promoted by Chiasmata Ensures Sister Chromatid Mono-Orientation in Meiosis I. <i>Developmental Cell</i> , 2011, 21, 534-545.	7.0	60
47	Studies of meiosis disclose distinct roles of cohesion in the core centromere and pericentromeric regions. <i>Chromosome Research</i> , 2009, 17, 239-249.	2.2	57
48	Essential role of the Cdk2 activator RingoA in meiotic telomere tethering to the nuclear envelope. <i>Nature Communications</i> , 2016, 7, 11084.	12.8	57
49	Pds5 Regulates Sister-Chromatid Cohesion and Chromosome Bi-orientation through a Conserved Protein Interaction Module. <i>Current Biology</i> , 2017, 27, 1005-1012.	3.9	50
50	CPF-Associated Phosphatase Activity Opposes Condensin-Mediated Chromosome Condensation. <i>PLoS Genetics</i> , 2014, 10, e1004415.	3.5	49
51	Novel WD-Repeat Protein Mip1p Facilitates Function of the Meiotic Regulator Mei2p in Fission Yeast. <i>Molecular and Cellular Biology</i> , 2000, 20, 1234-1242.	2.3	47
52	The meiosis-specific modification of mammalian telomeres. <i>Cell Cycle</i> , 2014, 13, 2024-2028.	2.6	47
53	Phosphorylation of Cohesin Rec11/SA3 by Casein Kinase 1 Promotes Homologous Recombination by Assembling the Meiotic Chromosome Axis. <i>Developmental Cell</i> , 2015, 32, 220-230.	7.0	44
54	Kinetochores composition and its function: lessons from yeasts. <i>FEMS Microbiology Reviews</i> , 2014, 38, 185-200.	8.6	40

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55	Chromosome cohesion in mitosis and meiosis. <i>Journal of Cell Science</i> , 2007, 120, 367-369.	2.0	38
56	Functional analysis of the C-terminal cytoplasmic region of the M-factor receptor in fission yeast. <i>Genes To Cells</i> , 2001, 6, 201-214.	1.2	36
57	Dissecting the telomereâ€‘inner nuclear membrane interface formed in meiosis. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 1064-1072.	8.2	34
58	Distinct TERB1 Domains Regulate Different Protein Interactions in Meiotic Telomere Movement. <i>Cell Reports</i> , 2017, 21, 1715-1726.	6.4	33
59	Meikinâ€‘associated poloâ€‘like kinase specifies Bub1 distribution in meiosis I. <i>Genes To Cells</i> , 2017, 22, 552-567.	1.2	30
60	Microtubule-associated coiled-coil protein Ssm4 is involved in the meiotic development in fission yeast. <i>Genes To Cells</i> , 1997, 2, 155-166.	1.2	28
61	The fission yeast meiotic regulator Mei2p undergoes nucleocytoplasmic shuttling. <i>FEBS Letters</i> , 2001, 499, 251-255.	2.8	28
62	The sequence necessary for the infectivity of hop stunt viroid cDNA clones. <i>Molecular Genetics and Genomics</i> , 1985, 200, 199-206.	2.4	27
63	SGOL1 variant B induces abnormal mitosis and resistance to taxane in non-small cell lung cancers. <i>Scientific Reports</i> , 2013, 3, 3012.	3.3	26
64	<i>Schizosaccharomyces pombe</i> Ste7p Is Required for Both Promotion and Withholding of the Entry to Meiosis. <i>Genetics</i> , 2000, 155, 539-549.	2.9	26
65	Acetylation regulates monopolar attachment at multiple levels during meiosis I in fission yeast. <i>EMBO Reports</i> , 2011, 12, 1189-1195.	4.5	22
66	Analysis of <i>Schizosaccharomyces pombe</i> Meiosis. <i>Cold Spring Harbor Protocols</i> , 2017, 2017, pdb.top079855.	0.3	19
67	TH2A is phosphorylated at meiotic centromere by Haspin. <i>Chromosoma</i> , 2017, 126, 769-780.	2.2	12
68	A One-Sided View of Kinetochore Attachment in Meiosis. <i>Cell</i> , 2006, 126, 1030-1032.	28.9	11
69	The spindle assembly checkpoint promotes chromosome bi-orientation: A novel Mad1 role in chromosome alignment. <i>Cell Cycle</i> , 2016, 15, 493-497.	2.6	10
70	The cohesin REC 8 prevents illegitimate interâ€‘sister synaptonemal complex assembly. <i>EMBO Reports</i> , 2016, 17, 783-784.	4.5	9
71	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.	1.1	9
72	Meikin synergizes with shugoshin to protect cohesin Rec8 during meiosis I. <i>Genes and Development</i> , 2021, 35, 692-697.	5.9	9

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73	Evidence of meiosis-specific regulation of gene expression in lily microsporocytes. <i>Plant Science</i> , 1993, 89, 31-41.	3.6	5
74	Synchronous Induction of Meiosis in the Fission Yeast <i>Schizosaccharomyces pombe</i> . <i>Cold Spring Harbor Protocols</i> , 2017, 2017, pdb.prot091777.	0.3	5
75	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.	3.3	4
76	Sister Chromatid Cohesion and Centromere Organization in Meiosis. , 2007, , 57-79.		2
77	Live-cell microscopy of meiosis in spermatocytes. <i>Methods in Cell Biology</i> , 2018, 145, 269-277.	1.1	2
78	Targeting condensin, a vital spot of <i>MYCN</i> -amplified neuroblastoma. <i>Cell Cycle</i> , 2014, 13, 1224-1224.	2.6	1
79	A Simple Method to Induce Meiosis and Sporulation Semisynchronously in the Fission Yeast <i>Schizosaccharomyces pombe</i> . <i>Cold Spring Harbor Protocols</i> , 2017, 2017, pdb.prot091785.	0.3	1
80	Live Imaging of Chromosome Segregation during Meiosis in the Fission Yeast <i>Schizosaccharomyces pombe</i> . <i>Cold Spring Harbor Protocols</i> , 2017, 2017, pdb.prot091769.	0.3	0
81	The Molecular Mechanism of Chromosome Segregation Based on the Function of Sister Chromatid Cohesion Factor, Cohesins.. <i>Seibutsu Butsuri</i> , 2000, 40, 321-325.	0.1	0