

Hironori Funabiki

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

5,183
citations

172207

29
h-index

288905

40
g-index

49
all docs

49
docs citations

49
times ranked

6144
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of HP1 chromatin binding by histone H3 methylation and phosphorylation. <i>Nature</i> , 2005, 438, 1116-1122.	13.7	834
2	The chromosomal passenger complex (CPC): from easy rider to the godfather of mitosis. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 789-803.	16.1	737
3	Survivin Reads Phosphorylated Histone H3 Threonine 3 to Activate the Mitotic Kinase Aurora B. <i>Science</i> , 2010, 330, 235-239.	6.0	431
4	The Chromosomal Passenger Complex Is Required for Chromatin-Induced Microtubule Stabilization and Spindle Assembly. <i>Cell</i> , 2004, 118, 187-202.	13.5	380
5	The Xenopus Chromokinesin Xkid Is Essential for Metaphase Chromosome Alignment and Must Be Degraded to Allow Anaphase Chromosome Movement. <i>Cell</i> , 2000, 102, 411-424.	13.5	296
6	The Cytoplasmic DNA Sensor cGAS Promotes Mitotic Cell Death. <i>Cell</i> , 2019, 178, 302-315.e23.	13.5	267
7	KNL1/Spc105 Recruits PP1 to Silence the Spindle Assembly Checkpoint. <i>Current Biology</i> , 2011, 21, 942-947.	1.8	212
8	Chromosomal Enrichment and Activation of the Aurora B Pathway Are Coupled to Spatially Regulate Spindle Assembly. <i>Developmental Cell</i> , 2007, 12, 31-43.	3.1	187
9	Structural basis for the inhibition of cGAS by nucleosomes. <i>Science</i> , 2020, 370, 455-458.	6.0	149
10	Ku80 removal from DNA through double strand break induced ubiquitylation. <i>Journal of Cell Biology</i> , 2008, 182, 467-479.	2.3	133
11	Correcting aberrant kinetochore microtubule attachments: an Aurora B-centric view. <i>Current Opinion in Cell Biology</i> , 2009, 21, 51-58.	2.6	130
12	Making an effective switch at the kinetochore by phosphorylation and dephosphorylation. <i>Chromosoma</i> , 2013, 122, 135-158.	1.0	115
13	Identification of SMARCAL1 as a Component of the DNA Damage Response. <i>Journal of Biological Chemistry</i> , 2009, 284, 35951-35961.	1.6	98
14	Nucleosomal regulation of chromatin composition and nuclear assembly revealed by histone depletion. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 617-625.	3.6	93
15	Integrity of the human centromere DNA repeats is protected by CENP-A, CENP-C, and CENP-T. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1928-1933.	3.3	93
16	Dual Detection of Chromosomes and Microtubules by the Chromosomal Passenger Complex Drives Spindle Assembly. <i>Developmental Cell</i> , 2010, 18, 903-912.	3.1	91
17	VCP/p97 Extracts Sterically Trapped Ku70/80 Rings from DNA in Double-Strand Break Repair. <i>Molecular Cell</i> , 2016, 64, 189-198.	4.5	91
18	HELLS and CDCA7 comprise a bipartite nucleosome remodeling complex defective in ICF syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E876-E885.	3.3	88

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19	Autoinhibition and Polo-Dependent Multisite Phosphorylation Restrict Activity of the Histone H3 Kinase Haspin to Mitosis. <i>Molecular Cell</i> , 2013, 52, 734-745.	4.5	71
20	Kinetochore function is controlled by a phospho-dependent coexpansion of inner and outer components. <i>Journal of Cell Biology</i> , 2015, 210, 899-916.	2.3	66
21	CDC47 and HELLS mutations undermine nonhomologous end joining in centromeric instability syndrome. <i>Journal of Clinical Investigation</i> , 2018, 129, 78-92.	3.9	62
22	Structural Basis for Recognition of H3T3ph and Smac/DIABLO N-terminal Peptides by Human Survivin. <i>Structure</i> , 2012, 20, 185-195.	1.6	60
23	An SCF complex containing Fbxl12 mediates DNA damage-induced Ku80 ubiquitylation. <i>Cell Cycle</i> , 2013, 12, 587-595.	1.3	55
24	Chromatin-Bound Xenopus Dppa2 Shapes the Nucleus by Locally Inhibiting Microtubule Assembly. <i>Developmental Cell</i> , 2013, 27, 47-59.	3.1	54
25	Regulation and Consequences of cGAS Activation by Self-DNA. <i>Trends in Cell Biology</i> , 2020, 30, 594-605.	3.6	54
26	CENP-A chromatin prevents replication stress at centromeres to avoid structural aneuploidy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	49
27	Dual recognition of chromatin and microtubules by INCENP is important for mitotic progression. <i>Journal of Cell Biology</i> , 2017, 216, 925-941.	2.3	36
28	ZSCAN10 expression corrects the genomic instability of iPSCs from aged donors. <i>Nature Cell Biology</i> , 2017, 19, 1037-1048.	4.6	35
29	Xenopus Shugoshin 2 regulates the spindle assembly pathway mediated by the chromosomal passenger complex. <i>EMBO Journal</i> , 2012, 31, 1467-1479.	3.5	33
30	Correcting aberrant kinetochore microtubule attachments: a hidden regulation of Aurora B on microtubules. <i>Current Opinion in Cell Biology</i> , 2019, 58, 34-41.	2.6	29
31	Linker histone H1.8 inhibits chromatin binding of condensins and DNA topoisomerase II to tune chromosome length and individualization. <i>ELife</i> , 2021, 10, .	2.8	29
32	Structural features of nucleosomes in interphase and metaphase chromosomes. <i>Molecular Cell</i> , 2021, 81, 4377-4397.e12.	4.5	27
33	Nucleosome functions in spindle assembly and nuclear envelope formation. <i>BioEssays</i> , 2015, 37, 1074-1085.	1.2	23
34	Heterogeneous architecture of vertebrate kinetochores revealed by three-dimensional superresolution fluorescence microscopy. <i>Molecular Biology of the Cell</i> , 2016, 27, 3395-3404.	0.9	18
35	Nuclear assembly shaped by microtubule dynamics. <i>Nucleus</i> , 2014, 5, 40-46.	0.6	11
36	Structural Mechanics of the Alpha-2-Macroglobulin Transformation. <i>Journal of Molecular Biology</i> , 2022, 434, 167413.	2.0	9

#	ARTICLE	IF	CITATIONS
37	Protein Immunodepletion and Complementation in <i>Xenopus laevis</i> Egg Extracts. Cold Spring Harbor Protocols, 2018, 2018, pdb.prot097113.	0.2	6
38	Two Birds with One Stone— Dealing with Nuclear Transport and Spindle Assembly. Cell, 2005, 121, 157-158.	13.5	5
39	Nucleosome-Dependent Pathways That Control Mitotic Progression. Cold Spring Harbor Symposia on Quantitative Biology, 2017, 82, 173-185.	2.0	4
40	To Cut or NoCut in mitosis. Nature Reviews Molecular Cell Biology, 2011, 12, 463-463.	16.1	0
41	Interphase Positioning of Centromeres Sets Up Spindle Assembly. Developmental Cell, 2016, 39, 527-528.	3.1	0