Kyoko Yokomori

List of Publications by Year
in descending order

70	5,379	126907	118850
papers	citations	33 h-index	62 g-index

80	80	80	6745
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cohesins Functionally Associate with CTCF on Mammalian Chromosome Arms. Cell, 2008, 132, 422-433.	28.9	800
2	Assembly of recombinant TFIID reveals differential coactivator requirements for distinct transcriptional activators. Cell, 1994, 79, 93-105.	28.9	396
3	Binding of TAFs to core elements directs promoter selectivity by RNA polymerase II. Cell, 1995, 81, 1115-1125.	28.9	283
4	A chromatin remodelling complex that loads cohesin onto human chromosomes. Nature, 2002, 418, 994-998.	27.8	277
5	Specific Loss of Histone H3 Lysine 9 Trimethylation and HP1Î³/Cohesin Binding at D4Z4 Repeats Is Associated with Facioscapulohumeral Dystrophy (FSHD). PLoS Genetics, 2009, 5, e1000559.	3.5	234
6	Independent and sequential recruitment of NHEJ and HR factors to DNA damage sites in mammalian cells. Journal of Cell Biology, 2005, 170, 341-347.	5.2	230
7	Specific Recruitment of Human Cohesin to Laser-induced DNA Damage. Journal of Biological Chemistry, 2002, 277, 45149-45153.	3.4	223
8	Multiple Organ System Defects and Transcriptional Dysregulation in the Nipbl+/â^' Mouse, a Model of Cornelia de Lange Syndrome. PLoS Genetics, 2009, 5, e1000650.	3.5	222
9	Comparative analysis of different laser systems to study cellular responses to DNA damage in mammalian cells. Nucleic Acids Research, 2009, 37, e68-e68.	14.5	187
10	HP1: Heterochromatin binding proteins working the genome. Epigenetics, 2010, 5, 287-292.	2.7	125
11	Condensin I Interacts with the PARP-1-XRCC1 Complex and Functions in DNA Single-Strand Break Repair. Molecular Cell, 2006, 21, 837-848.	9.7	121
12	The annealing helicase HARP is recruited to DNA repair sites via an interaction with RPA. Genes and Development, 2009, 23, 2400-2404.	5.9	121
13	The alternative Ctf18-Dcc1-Ctf8-replication factor C complex required for sister chromatid cohesion loads proliferating cell nuclear antigen onto DNA. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10237-10242.	7.1	118
14	Dynamic regulation of the PR-Set7 histone methyltransferase is required for normal cell cycle progression. Genes and Development, 2010, 24, 2531-2542.	5.9	112
15	A Human Condensin Complex Containing hCAP-Câ€“hCAP-E and CNAP1, a Homolog of Xenopus XCAP-D2, Colocalizes with Phosphorylated Histone H3 during the Early Stage of Mitotic Chromosome Condensation. Molecular and Cellular Biology, 2000, 20, 6996-7006.	2.3	109
16	Isolation and characterization of a novel DNA methyltransferase complex linking DNMT3B with components of the mitotic chromosome condensation machinery. Nucleic Acids Research, 2004, 32, 2716-2729.	14.5	109
17	Inhibitors of the Proteasome Suppress Homologous DNA Recombination in Mammalian Cells. Cancer Research, 2007, 67, 8536-8543.	0.9	105
18	Cohesin Mediates Chromatin Interactions That Regulate Mammalian Î²-globin Expression. Journal of Biological Chemistry, 2011, 286, 17870-17878.	3.4	99

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19	NAD+ consumption by PARP1 in response to DNA damage triggers metabolic shift critical for damaged cell survival. Molecular Biology of the Cell, 2019, 30, 2584-2597.	2.1	91
20	Single-nucleus RNA-seq of differentiating human myoblasts reveals the extent of fate heterogeneity. Nucleic Acids Research, 2016, 44, gkw739.	14.5	88
21	Distinct Functions of Human Cohesin-SA1 and Cohesin-SA2 in Double-Strand Break Repair. Molecular and Cellular Biology, 2014, 34, 685-698.	2.3	77
22	Concerted Activities of Distinct H4K20 Methyltransferases at DNA Double-Strand Breaks Regulate 53BP1 Nucleation and NHEJ-Directed Repair. Cell Reports, 2014, 8, 430-438.	6.4	77
23	The acetyltransferase activity of San stabilizes the mitotic cohesin at the centromeres in a shugoshin-independent manner. Journal of Cell Biology, 2007, 177, 587-597.	5.2	74
24	Scc1 sumoylation by Mms21 promotes sister chromatid recombination through counteracting Wapl. Genes and Development, 2012, 26, 1473-1485.	5.9	72
25	RAD18 and Poly(ADP-Ribose) Polymerase Independently Suppress the Access of Nonhomologous End Joining to Double-Strand Breaks and Facilitate Homologous Recombination-Mediated Repair. Molecular and Cellular Biology, 2007, 27, 2562-2571.	2.3	70
26	A Potential Role for Human Cohesin in Mitotic Spindle Aster Assembly. Journal of Biological Chemistry, 2001, 276, 47575-47582.	3.4	69
27	Identification of a Chromosome-Targeting Domain in the Human Condensin Subunit CNAP1/hCAP-D2/Eg7. Molecular and Cellular Biology, 2002, 22, 5769-5781.	2.3	49
28	Mechanisms of cohesin-mediated gene regulation and lessons learned from cohesinopathies. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2014, 1839, 191-202.	1.9	49
29	Correlation analysis of clinical parameters with epigenetic modifications in the DUX4 promoter in FSHD. Epigenetics, 2012, 7, 579-584.	2.7	48
30	Genetic and Epigenetic Characteristics of FSHD-Associated 4q and 10q D4Z4 that are Distinct from Non-4q/10q D4Z4 Homologs. Human Mutation, 2014, 35, 998-1010.	2.5	42
31	The effect of Nipped-B-like (Nipbl) haploinsufficiency on genome-wide cohesin binding and target gene expression: modeling Cornelia de Lange syndrome. Clinical Epigenetics, 2017, 9, 89.	4.1	41
32	Analysis of DNA double-strand break response and chromatin structure in mitosis using laser microirradiation. Nucleic Acids Research, 2010, 38, e202-e202.	14.5	39
33	Cohesin Associates with Spindle Poles in a Mitosis-specific Manner and Functions in Spindle Assembly in Vertebrate Cells. Molecular Biology of the Cell, 2009, 20, 1289-1301.	2.1	38
34	Condensin I Reveals New Insights on Mouse Meiotic Chromosome Structure and Dynamics. PLoS ONE, 2007, 2, e783.	2.5	35
35	Striated myocyte structural integrity: Automated analysis of sarcomeric z-discs. PLoS Computational Biology, 2020, 16, e1007676.	3.2	32
36	Condensin I Recruitment to Base Damage-Enriched DNA Lesions Is Modulated by PARP1. PLoS ONE, 2011, 6, e23548.	2.5	30

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37	The structural maintenance of chromosomes (SMC) family of proteins in mammals. , 2001, 9, 85-96.		29
38	Damage site chromatin: open or closed?. Current Opinion in Cell Biology, 2011, 23, 277-283.	5.4	29
39	Chromatin Dynamics during DNA Repair Revealed by Pair Correlation Analysis of Molecular Flow in the Nucleus. Biophysical Journal, 2014, 107, 55-65.	0.5	29
40	Single-nucleus RNA-seq identifies divergent populations of FSHD2 myotube nuclei. PLoS Genetics, 2020, 16, e1008754.	3.5	27
41	Neuropathogenicity of mouse hepatitis virus JHM isolates differing in hemagglutinin-esterase protein expression. Journal of NeuroVirology, 1995, 1, 330-339.	2.1	25
42	Femtosecond near-infrared laser microirradiation reveals a crucial role for PARP signaling on factor assemblies at DNA damage sites. Nucleic Acids Research, 2016, 44, e27-e27.	14.5	25
43	Revisiting the role of heterochromatin protein 1 in DNA repair. Journal of Cell Biology, 2009, 185, 573-575.	5.2	23
44	Fluctuation-based imaging of nuclear Rac1 activation by protein oligomerisation. Scientific Reports, 2014, 4, 4219.	3.3	23
45	AREM: Aligning Short Reads from ChIP-Sequencing by Expectation Maximization. Journal of Computational Biology, 2011, 18, 1495-1505.	1.6	22
46	Nitrosyl-cobinamide (NO-Cbi), a new nitric oxide donor, improves wound healing through cGMP/cGMP-dependent protein kinase. Cellular Signalling, 2013, 25, 2374-2382.	3.6	22
47	Recruitment of DNA damage recognition and repair pathway proteins following near-IR femtosecond laser irradiation of cells. Journal of Biomedical Optics, 2007, 12, 020505.	2.6	20
48	DNA Damage to a Single Chromosome End Delays Anaphase Onset. Journal of Biological Chemistry, 2014, 289, 22771-22784.	3.4	20
49	DNA damage induced during mitosis undergoes DNA repair synthesis. PLoS ONE, 2020, 15, e0227849.	2.5	20
50	Differential association of SMC1alpha and SMC3 proteins with meiotic chromosomes in wild-type and SPO11-deficient male mice. Chromosome Research, 2002, 10, 549-560.	2.2	19
51	In Situ Analysis of DNA Damage Response and Repair Using Laser Microirradiation. Methods in Cell Biology, 2007, 82, 377-407.	1.1	18
52	Localization of human SMC1 protein at kinetochores. Chromosome Research, 2002, 10, 267-277.	2.2	17
53	Cohesin: a critical chromatin organizer in mammalian gene regulation. Biochemistry and Cell Biology, 2011, 89, 445-458.	2.0	15
54	Damageâ€induced reactivation of cohesin in postreplicative DNA repair. BioEssays, 2008, 30, 5-9.	2.5	14

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55	Heterogeneous Skeletal Muscle Cell and Nucleus Populations Identified by Single-Cell and Single-Nucleus Resolution Transcriptome Assays. Frontiers in Genetics, 2022, 13, .	2.3	14
56	Biphasic recruitment of TRF2 to DNA damage sites promotes non-sister chromatid homologous recombination repair. Journal of Cell Science, 2018, 131, .	2.0	12
57	Meeting report: the 2021 FSHD International Research Congress. Skeletal Muscle, 2022, 12, 1.	4.2	12
58	Laser Microirradiation to Study In Vivo Cellular Responses to Simple and Complex DNA Damage. Journal of Visualized Experiments, 2018, , .	0.3	11
59	Relationship of DUX4 and target gene expression in FSHD myocytes. Human Mutation, 2021, 42, 421-433.	2.5	9
60	Application of Laser Microirradiation in the Investigations of Cellular Responses to DNA Damage. Frontiers in Physics, 2021, 8, .	2.1	6
61	Separation of a disulfide-linked phosphoprotein by diagonal SDSâ€“PAGE with optimized gel crosslinking. Analytical Biochemistry, 2007, 370, 252-254.	2.4	4
62	The Use of Laser Microirradiation to Investigate the Roles of Cohesins in DNA Repair. Methods in Molecular Biology, 2017, 1515, 227-242.	0.9	3
63	The epigenetics of facioscapulohumeral muscular dystrophy. , 0, , 347-361.		1
64	Laser-Induced Nuclear Damage Signaling and Communication in Astrocyte Networks Through Parp-Dependent Calcium Oscillations. Frontiers in Physics, 2021, 9, .	2.1	0
65	Epigenomic Studies of Facioscapulohumeral Muscular Dystrophy (FSHD). FASEB Journal, 2010, 24, 713.8.	0.5	0
66	Scc1 sumoylation by Mms21 promotes sister chromatid recombination through counteracting Wapl. FASEB Journal, 2012, 26, 539.5.	0.5	0
67	Striated myocyte structural integrity: Automated analysis of sarcomeric z-discs. , 2020, 16, e1007676.		0
68	Striated myocyte structural integrity: Automated analysis of sarcomeric z-discs. , 2020, 16, e1007676.		0
69	Striated myocyte structural integrity: Automated analysis of sarcomeric z-discs. , 2020, 16, e1007676.		0
70	Striated myocyte structural integrity: Automated analysis of sarcomeric z-discs. , 2020, 16, e1007676.		0