

# Kouji Hirota

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

2,421  
citations

201674

27  
h-index

223800

46  
g-index

72  
all docs

72  
docs citations

72  
times ranked

2852  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stepwise chromatin remodelling by a cascade of transcription initiation of non-coding RNAs. <i>Nature</i> , 2008, 456, 130-134.	27.8	249
2	Landscape of the complete RNA chemical modifications in the human 80S ribosome. <i>Nucleic Acids Research</i> , 2018, 46, 9289-9298.	14.5	242
3	Involvement of SLX4 in interstrand cross-link repair is regulated by the Fanconi anemia pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6492-6496.	7.1	169
4	Roles of histone acetylation and chromatin remodeling factor in a meiotic recombination hotspot. <i>EMBO Journal</i> , 2004, 23, 1792-1803.	7.8	146
5	Repriming by PrimPol is critical for DNA replication restart downstream of lesions and chain-terminating nucleosides. <i>Cell Cycle</i> , 2016, 15, 1997-2008.	2.6	88
6	XRCC1 prevents toxic PARP1 trapping during DNA base excision repair. <i>Molecular Cell</i> , 2021, 81, 3018-3030.e5.	9.7	80
7	KIAA1018/FAN1 nuclease protects cells against genomic instability induced by interstrand cross-linking agents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21553-21557.	7.1	72
8	Distinct Chromatin Modulators Regulate the Formation of Accessible and Repressive Chromatin at the Fission Yeast Recombination Hotspot <i>ade6-M26</i> . <i>Molecular Biology of the Cell</i> , 2008, 19, 1162-1173.	2.1	62
9	Gef1p and Scd1p, the Two GDP-GTP Exchange Factors for Cdc42p, Form a Ring Structure that Shrinks during Cytokinesis in <i>Schizosaccharomyces pombe</i> . <i>Molecular Biology of the Cell</i> , 2003, 14, 3617-3627.	2.1	61
10	The Epistatic Relationship between BRCA2 and the Other RAD51 Mediators in Homologous Recombination. <i>PLoS Genetics</i> , 2011, 7, e1002148.	3.5	60
11	Simultaneous Disruption of Two DNA Polymerases, Pol $\beta$ and Pol $\eta$ , in Avian DT40 Cells Unmasks the Role of Pol $\beta$ in Cellular Response to Various DNA Lesions. <i>PLoS Genetics</i> , 2010, 6, e1001151.	3.5	54
12	The POLD3 subunit of DNA polymerase $\delta$ can promote translesion synthesis independently of DNA polymerase $\eta$ . <i>Nucleic Acids Research</i> , 2015, 43, 1671-1683.	14.5	51
13	Characterization of environmental chemicals with potential for DNA damage using isogenic DNA repair-deficient chicken DT40 cell lines. <i>Environmental and Molecular Mutagenesis</i> , 2011, 52, 547-561.	2.2	47
14	Relative contribution of four nucleases, CtIP, Dna2, Exo1 and Mre11, to the initial step of DNA double-strand break repair by homologous recombination in both the chicken DT40 and human TK6 cell lines. <i>Genes To Cells</i> , 2015, 20, 1059-1076.	1.2	46
15	AND-1 fork protection function prevents fork resection and is essential for proliferation. <i>Nature Communications</i> , 2018, 9, 3091.	12.8	46
16	Fission yeast global repressors regulate the specificity of chromatin alteration in response to distinct environmental stresses. <i>Nucleic Acids Research</i> , 2004, 32, 855-862.	14.5	45
17	DNA polymerases $\delta$ and $\epsilon$ are required for efficient immunoglobulin V gene diversification in chicken. <i>Journal of Cell Biology</i> , 2010, 189, 1117-1127.	5.2	44
18	Fission Yeast Tup1-Like Repressors Repress Chromatin Remodeling at the <i>fbp1</i> + Promoter and the <i>ade6-M26</i> Recombination Hotspot. <i>Genetics</i> , 2003, 165, 505-515.	2.9	43

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19	Multiple Modes of Chromatin Configuration at Natural Meiotic Recombination Hot Spots in Fission Yeast. <i>Eukaryotic Cell</i> , 2007, 6, 2072-2080.	3.4	41
20	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
21	Reciprocal Nuclear Shuttling of Two Antagonizing Zn Finger Proteins Modulates Tup Family Corepressor Function To Repress Chromatin Remodeling. <i>Eukaryotic Cell</i> , 2006, 5, 1980-1989.	3.4	34
22	Warsaw breakage syndrome DDX11 helicase acts jointly with RAD17 in the repair of bulky lesions and replication through abasic sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8412-8417.	7.1	34
23	ALC1/CHD1L, a chromatin-remodeling enzyme, is required for efficient base excision repair. <i>PLoS ONE</i> , 2017, 12, e0188320.	2.5	34
24	In vivo evidence for translesion synthesis by the replicative DNA polymerase $\epsilon$ . <i>Nucleic Acids Research</i> , 2016, 44, gkw439.	14.5	33
25	Local potentiation of stress-responsive genes by upstream noncoding transcription. <i>Nucleic Acids Research</i> , 2016, 44, 5174-5189.	14.5	33
26	ESCO1/2's roles in chromosome structure and interphase chromatin organization. <i>Genes and Development</i> , 2017, 31, 2136-2150.	5.9	32
27	Human CTF18-RFC clamp-loader complexed with non-synthesising DNA polymerase $\mu$ efficiently loads the PCNA sliding clamp. <i>Nucleic Acids Research</i> , 2017, 45, 4550-4563.	14.5	29
28	Bloom DNA Helicase Facilitates Homologous Recombination between Diverged Homologous Sequences. <i>Journal of Biological Chemistry</i> , 2009, 284, 26360-26367.	3.4	28
29	Abacavir, an anti-HIV-1 drug, targets TDP1-deficient adult T cell leukemia. <i>Science Advances</i> , 2015, 1, e1400203.	10.3	28
30	Human replicative DNA polymerase $\epsilon$ can bypass T <sub>4</sub> (6 <sup>4</sup> ) ultraviolet photoproducts on template strands. <i>Genes To Cells</i> , 2010, 15, 1228-1239.	1.2	26
31	The dominant role of proofreading exonuclease activity of replicative polymerase $\mu$ in cellular tolerance to cytarabine (Ara-C). <i>Oncotarget</i> , 2017, 8, 33457-33474.	1.8	24
32	Antagonistic Controls of Chromatin and mRNA Start Site Selection by Tup Family Corepressors and the CCAAT-Binding Factor. <i>Molecular and Cellular Biology</i> , 2015, 35, 847-855.	2.3	23
33	RNA Cytidine Acetyltransferase of Small-Subunit Ribosomal RNA: Identification of Acetylation Sites and the Responsible Acetyltransferase in Fission Yeast, <i>Schizosaccharomyces pombe</i> . <i>PLoS ONE</i> , 2014, 9, e112156.	2.5	20
34	Interference in DNA Replication Can Cause Mitotic Chromosomal Breakage Unassociated with Double-Strand Breaks. <i>PLoS ONE</i> , 2013, 8, e60043.	2.5	18
35	UBC13-Mediated Ubiquitin Signaling Promotes Removal of Blocking Adducts from DNA Double-Strand Breaks. <i>Science</i> , 2020, 23, 101027.	4.1	17
36	Topoisomerase I-driven repair of UV-induced damage in NER-deficient cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14412-14420.	7.1	16

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37	Vertebrate CTF18 and DDX11 essential function in cohesion is bypassed by preventing WAPL-mediated cohesin release. <i>Genes and Development</i> , 2021, 35, 1368-1382.	5.9	16
38	<scp>SUMO</scp>â€targeted ubiquitin ligase <scp>RNF</scp>4 plays a critical role in preventing chromosome loss. <i>Genes To Cells</i> , 2014, 19, 743-754.	1.2	15
39	PDIP38/PolDIP2 controls the DNA damage tolerance pathways by increasing the relative usage of translesion DNA synthesis over template switching. <i>PLoS ONE</i> , 2019, 14, e0213383.	2.5	15
40	Development of a Targeted Flip-in System in Avian DT40 Cells. <i>PLoS ONE</i> , 2015, 10, e0122006.	2.5	14
41	Cytotoxic and genotoxic profiles of benzo[a]pyrene and N-nitrosodimethylamine demonstrated using DNA repair deficient DT40 cells with metabolic activation. <i>Chemosphere</i> , 2016, 144, 1901-1907.	8.2	14
42	Interplay between chromatin modulators and histone acetylation regulates the formation of accessible chromatin in the upstream regulatory region of fission yeast <i>Schizosaccharomyces pombe</i>. <i>Genes and Genetic Systems</i> , 2017, 92, 267-276.	0.7	14
43	Direct Determination of Pseudouridine in RNA by Mass Spectrometry Coupled with Stable Isotope Labeling. <i>Analytical Chemistry</i> , 2020, 92, 11349-11356.	6.5	14
44	Roles of lncRNA transcription as a novel regulator of chromosomal function. <i>Genes and Genetic Systems</i> , 2020, 95, 213-223.	0.7	14
45	Recruitment and delivery of the fission yeast Rst2 transcription factor via a local genome structure counteracts repression by Tup1-family corepressors. <i>Nucleic Acids Research</i> , 2017, 45, 9361-9371.	14.5	13
46	Evolution of Pre-Existing versus Acquired Resistance to Platinum Drugs and PARP Inhibitors in BRCA-Associated Cancers. <i>PLoS ONE</i> , 2014, 9, e105724.	2.5	12
47	<scp>XRCC1</scp> counteracts poly(ADP ribose)polymerase (PARP) poisons, olaparib and talazoparib, and a clinical alkylating agent, temozolomide, by promoting the removal of trapped <scp>PARP1</scp> from broken <scp>DNA</scp>. <i>Genes To Cells</i> , 2022, 27, 331-344.	1.2	12
48	Determination of genotoxic potential by comparison of structurally related azo dyes using DNA repair-deficient DT40 mutant panels. <i>Chemosphere</i> , 2016, 164, 106-112.	8.2	11
49	SPARTAN promotes genetic diversification of the immunoglobulin-variable gene locus in avian DT40 cells. <i>DNA Repair</i> , 2018, 68, 50-57.	2.8	11
50	Chromatin remodeler ALC1 prevents replication-fork collapse by slowing fork progression. <i>PLoS ONE</i> , 2018, 13, e0192421.	2.5	11
51	A novel genotoxicity assay of carbon nanotubes using functional macrophage receptor with collagenous structure (MARCO)-expressing chicken B lymphocytes. <i>Archives of Toxicology</i> , 2014, 88, 145-160.	4.2	10
52	Differential micronucleus frequency in isogenic human cells deficient in DNA repair pathways is a valuable indicator for evaluating genotoxic agents and their genotoxic mechanisms. <i>Environmental and Molecular Mutagenesis</i> , 2018, 59, 529-538.	2.2	10
53	Distinct DNA Damage Spectra Induced by Ionizing Radiation in Normoxic and Hypoxic Cells. <i>Radiation Research</i> , 2015, 184, 442-448.	1.5	9
54	DNA Damage Tolerance Mechanisms Revealed from the Analysis of Immunoglobulin V Gene Diversification in Avian DT40 Cells. <i>Genes</i> , 2018, 9, 614.	2.4	9

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55	lncRNA transcriptional initiation induces chromatin remodeling within a limited range in the fission yeast <i>fbp1</i> promoter. <i>Scientific Reports</i> , 2019, 9, 299.	3.3	9
56	The intrinsic ability of double-stranded DNA to carry out D-loop and R-loop formation. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 3350-3360.	4.1	9
57	Cascade transcription of mRNA-type long non-coding RNAs (lncRNAs) and local chromatin remodeling. <i>Epigenetics</i> , 2009, 4, 5-7.	2.7	8
58	RNase MRP Cleaves Pre-tRNA <sup>Ser</sup> -Met in the tRNA Maturation Pathway. <i>PLoS ONE</i> , 2014, 9, e112488.	2.5	8
59	Transcription of mRNA-type long non-coding RNAs (lncRNAs) disrupts chromatin array. <i>Communicative and Integrative Biology</i> , 2009, 2, 25-26.	1.4	7
60	lncRNA transcription induces meiotic recombination through chromatin remodeling in fission yeast. <i>Communications Biology</i> , 2021, 4, 295.	4.4	7
61	Division of labor of Y-family polymerases in translesion-DNA synthesis for distinct types of DNA damage. <i>PLoS ONE</i> , 2021, 16, e0252587.	2.5	6
62	Reciprocal stabilization of transcription factor binding integrates two signaling pathways to regulate fission yeast <i>fbp1</i> transcription. <i>Nucleic Acids Research</i> , 2021, 49, 9809-9820.	14.5	6
63	Analysis of Chromatin Structure at Meiotic DSB Sites in Yeasts. <i>Methods in Molecular Biology</i> , 2009, 557, 253-266.	0.9	4
64	Histone Chaperone Asf1 Is Required for the Establishment of Repressive Chromatin in <i>Schizosaccharomyces pombe</i> <i>fbp1</i> Gene Repression. <i>Molecular and Cellular Biology</i> , 2018, 38, .	2.3	4
65	Chemical Incorporation of Chain-Terminating Nucleoside Analogs as $\beta$ -Blocking DNA Damage and Their Removal by Human ERCC1-XPF Endonuclease. <i>Molecules</i> , 2016, 21, 766.	3.8	3
66	Targeting chromosome trisomy for chromosome editing. <i>Scientific Reports</i> , 2021, 11, 18054.	3.3	3
67	Topoisomerase activity is linked to altered nucleosome positioning and transcriptional regulation in the fission yeast <i>fbp1</i> gene. <i>PLoS ONE</i> , 2020, 15, e0242348.	2.5	3
68	Construction of a human hTERT RPE-1 cell line with inducible Cre for editing of endogenous genes. <i>Biology Open</i> , 2022, 11, .	1.2	3
69	Pold4, the fourth subunit of replicative polymerase $\delta$ , suppresses gene conversion in the immunoglobulin-variable gene in avian DT40 cells. <i>DNA Repair</i> , 2021, 100, 103056.	2.8	2
70	Follow-up genotoxicity assessment of Ames-positive/equivocal chemicals using the improved thymidine kinase gene mutation assay in DNA repair-deficient human TK6 cells. <i>Mutagenesis</i> , 2021, 36, 331-338.	2.6	2
71	Participation of TDP1 in the repair of formaldehyde-induced DNA-protein cross-links in chicken DT40 cells. <i>PLoS ONE</i> , 2020, 15, e0234859.	2.5	1