Kouji Hirota

List of Publications by Year
in descending order

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	Construction of a human hTERT RPE-1 cell line with inducible Cre for editing of endogenous genes. Biology Open, 2022, 11, .	1.2	3
2	<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>. Genes To Cells, 2022, 27, 331-344.	1.2	12
3	lncRNA transcription induces meiotic recombination through chromatin remodelling in fission yeast. Communications Biology, 2021, 4, 295.	4.4	7
4	Pold4, the fourth subunit of replicative polymerase Î´, suppresses gene conversion in the immunoglobulin-variable gene in avian DT40 cells. DNA Repair, 2021, 100, 103056.	2.8	2
5	Division of labor of Y-family polymerases in translesion-DNA synthesis for distinct types of DNA damage. PLoS ONE, 2021, 16, e0252587.	2.5	6
6	Follow-up genotoxicity assessment of Ames-positive/equivocal chemicals using the improved thymidine kinase gene mutation assay in DNA repair-deficient human TK6 cells. Mutagenesis, 2021, 36, 331-338.	2.6	2
7	XRCC1 prevents toxic PARP1 trapping during DNA base excision repair. Molecular Cell, 2021, 81, 3018-3030.e5.	9.7	80
8	Reciprocal stabilization of transcription factor binding integrates two signaling pathways to regulate fission yeast<i>fbp1</i>transcription. Nucleic Acids Research, 2021, 49, 9809-9820.	14.5	6
9	Targeting chromosome trisomy for chromosome editing. Scientific Reports, 2021, 11, 18054.	3.3	3
10	Vertebrate CTF18 and DDX11 essential function in cohesion is bypassed by preventing WAPL-mediated cohesin release. Genes and Development, 2021, 35, 1368-1382.	5.9	16
11	UBC13-Mediated Ubiquitin Signaling Promotes Removal of Blocking Adducts from DNA Double-Strand Breaks. IScience, 2020, 23, 101027.	4.1	17
12	Direct Determination of Pseudouridine in RNA by Mass Spectrometry Coupled with Stable Isotope Labeling. Analytical Chemistry, 2020, 92, 11349-11356.	6.5	14
13	The intrinsic ability of double-stranded DNA to carry out D-loop and R-loop formation. Computational and Structural Biotechnology Journal, 2020, 18, 3350-3360.	4.1	9
14	Topoisomerase I-driven repair of UV-induced damage in NER-deficient cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14412-14420.	7.1	16
15	Participation of TDP1 in the repair of formaldehyde-induced DNA-protein cross-links in chicken DT40 cells. PLoS ONE, 2020, 15, e0234859.	2.5	1
16	Topoisomerase activity is linked to altered nucleosome positioning and transcriptional regulation in the fission yeast fbp1 gene. PLoS ONE, 2020, 15, e0242348.	2.5	3
17	Roles of lncRNA transcription as a novel regulator of chromosomal function. Genes and Genetic Systems, 2020, 95, 213-223.	0.7	14
18	lncRNA transcriptional initiation induces chromatin remodeling within a limited range in the fission yeast fbp1 promoter. Scientific Reports, 2019, 9, 299.	3.3	9

#	Article	IF	Citations
19	PDIP38/PolDIP2 controls the DNA damage tolerance pathways by increasing the relative usage of translesion DNA synthesis over template switching. PLoS ONE, 2019, 14, e0213383.	2.5	15
20	DNA Damage Tolerance Mechanisms Revealed from the Analysis of Immunoglobulin V Gene Diversification in Avian DT40 Cells. Genes, 2018, 9, 614.	2.4	9
21	Landscape of the complete RNA chemical modifications in the human 80S ribosome. Nucleic Acids Research, 2018, 46, 9289-9298.	14.5	242
22	Differential micronucleus frequency in isogenic human cells deficient in DNA repair pathways is a valuable indicator for evaluating genotoxic agents and their genotoxic mechanisms. Environmental and Molecular Mutagenesis, 2018, 59, 529-538.	2.2	10
23	SPARTAN promotes genetic diversification of the immunoglobulin-variable gene locus in avian DT40 cells. DNA Repair, 2018, 68, 50-57.	2.8	11
24	Histone Chaperone Asf1 Is Required for the Establishment of Repressive Chromatin in Schizosaccharomyces pombe fbp1 Gene Repression. Molecular and Cellular Biology, 2018, 38, .	2.3	4
25	Warsaw breakage syndrome DDX11 helicase acts jointly with RAD17 in the repair of bulky lesions and replication through abasic sites. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8412-8417.	7.1	34
26	AND-1 fork protection function prevents fork resection and is essential for proliferation. Nature Communications, 2018, 9, 3091.	12.8	46
27	Chromatin remodeler ALC1 prevents replication-fork collapse by slowing fork progression. PLoS ONE, 2018, 13, e0192421.	2.5	11
28	Human CTF18-RFC clamp-loader complexed with non-synthesising DNA polymerase Îµ efficiently loads the PCNA sliding clamp. Nucleic Acids Research, 2017, 45, 4550-4563.	14.5	29
29	ESCO1/2's roles in chromosome structure and interphase chromatin organization. Genes and Development, 2017, 31, 2136-2150.	5.9	32
30	Recruitment and delivery of the fission yeast Rst2 transcription factor via a local genome structure counteracts repression by Tup1-family corepressors. Nucleic Acids Research, 2017, 45, 9361-9371.	14.5	13
31	Interplay between chromatin modulators and histone acetylation regulates the formation of accessible chromatin in the upstream regulatory region of fission yeast <i>fbp1</i>. Genes and Genetic Systems, 2017, 92, 267-276.	0.7	14
32	ALC1/CHD1L, a chromatin-remodeling enzyme, is required for efficient base excision repair. PLoS ONE, 2017, 12, e0188320.	2.5	34
33	The dominant role of proofreading exonuclease activity of replicative polymerase Îµ in cellular tolerance to cytarabine (Ara-C). Oncotarget, 2017, 8, 33457-33474.	1.8	24
34	Chemical Incorporation of Chain-Terminating Nucleoside Analogs as 3â€²-Blocking DNA Damage and Their Removal by Human ERCC1-XPF Endonuclease. Molecules, 2016, 21, 766.	3.8	3
35	Repriming by PrimPol is critical for DNA replication restart downstream of lesions and chain-terminating nucleosides. Cell Cycle, 2016, 15, 1997-2008.	2.6	88
36	Determination of genotoxic potential by comparison of structurally related azo dyes using DNA repair-deficient DT40 mutant panels. Chemosphere, 2016, 164, 106-112.	8.2	11

#	Article	IF	Citations
37	In vivoevidence for translesion synthesis by the replicative DNA polymerase Î´. Nucleic Acids Research, 2016, 44, gkw439.	14.5	33
38	Cytotoxic and genotoxic profiles of benzo[a]pyrene and N-nitrosodimethylamine demonstrated using DNA repair deficient DT40Âcells with metabolic activation. Chemosphere, 2016, 144, 1901-1907.	8.2	14
39	Local potentiation of stress-responsive genes by upstream noncoding transcription. Nucleic Acids Research, 2016, 44, 5174-5189.	14.5	33
40	Relative contribution of four nucleases, CtIP, Dna2, Exo1 and Mre11, to the initial step of DNA doubleâ€strand break repair by homologous recombination in both the chicken DT40 and human TK6 cell lines. Genes To Cells, 2015, 20, 1059-1076.	1.2	46
41	Development of a Targeted Flip-in System in Avian DT40 Cells. PLoS ONE, 2015, 10, e0122006.	2.5	14
42	Distinct DNA Damage Spectra Induced by Ionizing Radiation in Normoxic and Hypoxic Cells. Radiation Research, 2015, 184, 442-448.	1.5	9
43	Antagonistic Controls of Chromatin and mRNA Start Site Selection by Tup Family Corepressors and the CCAAT-Binding Factor. Molecular and Cellular Biology, 2015, 35, 847-855.	2.3	23
44	Abacavir, an antiâ€“HIV-1 drug, targets TDP1-deficient adult T cell leukemia. Science Advances, 2015, 1, e1400203.	10.3	28
45	The POLD3 subunit of DNA polymerase Î´ can promote translesion synthesis independently of DNA polymerase Î¶. Nucleic Acids Research, 2015, 43, 1671-1683.	14.5	51
46	RNase MRP Cleaves Pre-tRNASer-Met in the tRNA Maturation Pathway. PLoS ONE, 2014, 9, e112488.	2.5	8
47	<scp>SUMO</scp>â€targeted ubiquitin ligase <scp>RNF</scp>4 plays a critical role in preventing chromosome loss. Genes To Cells, 2014, 19, 743-754.	1.2	15
48	A novel genotoxicity assay of carbon nanotubes using functional macrophage receptor with collagenous structure (MARCO)-expressing chicken B lymphocytes. Archives of Toxicology, 2014, 88, 145-160.	4.2	10
49	Evolution of Pre-Existing versus Acquired Resistance to Platinum Drugs and PARP Inhibitors in BRCA-Associated Cancers. PLoS ONE, 2014, 9, e105724.	2.5	12
50	RNA Cytidine Acetyltransferase of Small-Subunit Ribosomal RNA: Identification of Acetylation Sites and the Responsible Acetyltransferase in Fission Yeast, Schizosaccharomyces pombe. PLoS ONE, 2014, 9, e112156.	2.5	20
51	Interference in DNA Replication Can Cause Mitotic Chromosomal Breakage Unassociated with Double-Strand Breaks. PLoS ONE, 2013, 8, e60043.	2.5	18
52	Characterization of environmental chemicals with potential for DNA damage using isogenic DNA repairâ€deficient chicken DT40 cell lines. Environmental and Molecular Mutagenesis, 2011, 52, 547-561.	2.2	47
53	Involvement of SLX4 in interstrand cross-link repair is regulated by the Fanconi anemia pathway. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6492-6496.	7.1	169
54	The Epistatic Relationship between BRCA2 and the Other RAD51 Mediators in Homologous Recombination. PLoS Genetics, 2011, 7, e1002148.	3.5	60

#	Article	IF	Citations
55	Human replicative DNA polymerase Î´ can bypass Tâ€T (6â€4) ultraviolet photoproducts on template strands. Genes To Cells, 2010, 15, 1228-1239.	1.2	26
56	KIAA1018/FAN1 nuclease protects cells against genomic instability induced by interstrand cross-linking agents. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21553-21557.	7.1	72
57	DNA polymerases Î½ and Î¸ are required for efficient immunoglobulin V gene diversification in chicken. Journal of Cell Biology, 2010, 189, 1117-1127.	5.2	44
58	Simultaneous Disruption of Two DNA Polymerases, PolÎ· and PolÎ¶, in Avian DT40 Cells Unmasks the Role of PolÎ· in Cellular Response to Various DNA Lesions. PLoS Genetics, 2010, 6, e1001151.	3.5	54
59	Transcription of mRNA-type long non-coding RNAs (mlonRNAs) disrupts chromatin array. Communicative and Integrative Biology, 2009, 2, 25-26.	1.4	7
60	Cascade transcription of mRNA-type long non-coding RNAs (mlonRNAs) and local chromatin remodeling. Epigenetics, 2009, 4, 5-7.	2.7	8
61	Bloom DNA Helicase Facilitates Homologous Recombination between Diverged Homologous Sequences. Journal of Biological Chemistry, 2009, 284, 26360-26367.	3.4	28
62	Analysis of Chromatin Structure at Meiotic DSB Sites in Yeasts. Methods in Molecular Biology, 2009, 557, 253-266.	0.9	4
63	Stepwise chromatin remodelling by a cascade of transcription initiation of non-coding RNAs. Nature, 2008, 456, 130-134.	27.8	249
64	Distinct Chromatin Modulators Regulate the Formation of Accessible and Repressive Chromatin at the Fission Yeast Recombination Hotspot<i>ade6-M26</i>. Molecular Biology of the Cell, 2008, 19, 1162-1173.	2.1	62
65	Multiple Modes of Chromatin Configuration at Natural Meiotic Recombination Hot Spots in Fission Yeast. Eukaryotic Cell, 2007, 6, 2072-2080.	3.4	41
66	Reciprocal Nuclear Shuttling of Two Antagonizing Zn Finger Proteins Modulates Tup Family Corepressor Function To Repress Chromatin Remodeling. Eukaryotic Cell, 2006, 5, 1980-1989.	3.4	34
67	Fission yeast global repressors regulate the specificity of chromatin alteration in response to distinct environmental stresses. Nucleic Acids Research, 2004, 32, 855-862.	14.5	45
68	Roles of histone acetylation and chromatin remodeling factor in a meiotic recombination hotspot. EMBO Journal, 2004, 23, 1792-1803.	7.8	146
69	Gef1p and Scd1p, the Two GDP-GTP Exchange Factors for Cdc42p, Form a Ring Structure that Shrinks during Cytokinesis inSchizosaccharomyces pombe. Molecular Biology of the Cell, 2003, 14, 3617-3627.	2.1	61
70	Fission Yeast Tup1-Like Repressors Repress Chromatin Remodeling at the <i>fbp1</i>+ Promoter and the <i>ade6-M26</i> Recombination Hotspot. Genetics, 2003, 165, 505-515.	2.9	43
71	Functional analysis of the C-terminal cytoplasmic region of the M-factor receptor in fission yeast. Genes To Cells, 2001, 6, 201-214.	1.2	36