Shiunichi Takeda

List of Publications by Year
in descending order

256	20,702	9264 74	11939 134
papers	citations	h-index	g-index

264	264	264	19278
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Human topoisomerases and their roles in genome stability and organization. Nature Reviews Molecular Cell Biology, 2022, 23, 407-427.	37.0	125
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	RAD52 Adjusts Repair of Single-Strand Breaks via Reducing DNA-Damage-Promoted XRCC1/LIG3Î± Co-localization. Cell Reports, 2021, 34, 108625.	6.4	7
4	Critical roles of Rad54 in tolerance to apigeninâ€'induced Top1â€'mediated DNA damage. Experimental and Therapeutic Medicine, 2021, 21, 505.	1.8	0
5	Impact of Gba2 on neuronopathic Gaucherâ€™s disease and Î±-synuclein accumulation in medaka (Oryzias) Tj ETQq1 1 0.784314 rgBT	2.6	3
6	Fanconi anemia proteins participate in a break-induced-replication-like pathway to counter replication stress. Nature Structural and Molecular Biology, 2021, 28, 487-500.	8.2	16
7	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
8	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
9	XRCC1 prevents toxic PARP1 trapping during DNA base excision repair. Molecular Cell, 2021, 81, 3018-3030.e5.	9.7	80
10	PRDX1 is essential for the viability and maintenance of reactive oxygen species in chicken DT40. Genes and Environment, 2021, 43, 35.	2.1	5
11	FANCD2-Associated Nuclease 1 Partially Compensates for the Lack of Exonuclease 1 in Mismatch Repair. Molecular and Cellular Biology, 2021, 41, e0030321.	2.3	11
12	Replication-dependent cytotoxicity and Spartan-mediated repair of trapped PARP1â€"DNA complexes. Nucleic Acids Research, 2021, 49, 10493-10506.	14.5	16
13	Epigenetic suppression of SLFN11 in germinal center B-cells during B-cell development. PLoS ONE, 2021, 16, e0237554.	2.5	20
14	The fragility of a structurally diverse duplication block triggers recurrent genomic amplification. Nucleic Acids Research, 2021, 49, 244-256.	14.5	7
15	Nature of spontaneously arising single base substitutions in normal cells. Genome Instability & Disease, 2021, 2, 339.	1.1	0
16	Restoration of ligatable â€œcleanâ€•double-strand break ends is the rate-limiting step in the rejoining of ionizing-radiation-induced DNA breakage. DNA Repair, 2020, 93, 102913.	2.8	5
17	Genetic evidence for the involvement of mismatch repair proteins, PMS2 and MLH3, in a late step of homologous recombination. Journal of Biological Chemistry, 2020, 295, 17460-17475.	3.4	18
18	UBC13-Mediated Ubiquitin Signaling Promotes Removal of Blocking Adducts from DNA Double-Strand Breaks. IScience, 2020, 23, 101027.	4.1	17

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19	A Surge of DNA Damage Links Transcriptional Reprogramming and Hematopoietic Deficit in Fanconi Anemia. Molecular Cell, 2020, 80, 1013-1024.e6.	9.7	29
20	Active learning effectively identifies a minimal set of maximally informative and asymptotically performant cytotoxic structureâ€“activity patterns in NCI-60 cell lines. RSC Medicinal Chemistry, 2020, 11, 1075-1087.	3.9	4
21	The MRE11 nuclease promotes homologous recombination not only in DNA double-strand break resection but also in post-resection in human TK6 cells. Genome Instability & Disease, 2020, 1, 184-196.	1.1	7
22	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
23	Nonhomologous end joining and homologous recombination involved in luteolin-induced DNA damage in DT40 cells. Toxicology in Vitro, 2020, 65, 104825.	2.4	6
24	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
25	Estrogen Induces Mammary Ductal Dysplasia via the Upregulation of Myc Expression in a DNA-Repair-Deficient Condition. IScience, 2020, 23, 100821.	4.1	9
26	The ARK Assay Is a Sensitive and Versatile Method for the Global Detection of DNA-Protein Crosslinks. Cell Reports, 2020, 30, 1235-1245.e4.	6.4	18
27	TDP2 suppresses genomic instability induced by androgens in the epithelial cells of prostate glands. Genes To Cells, 2020, 25, 450-465.	1.2	7
28	Critical roles of tyrosylâ€DNA phosphodiesterases in cell tolerance to carnosolâ€induced DNA damage. Cell Biology International, 2020, 44, 1640-1650.	3.0	2
29	Enhancing the sensitivity of the thymidine kinase assay by using DNA repairâ€deficient human TK6 cells. Environmental and Molecular Mutagenesis, 2020, 61, 602-610.	2.2	3
30	ATAD5 deficiency alters DNA damage metabolism and sensitizes cells to PARP inhibition. Nucleic Acids Research, 2020, 48, 4928-4939.	14.5	11
31	Tyrosyl-DNA phosphodiesterases are involved in mutagenic events at a ribonucleotide embedded into DNA in human cells. PLoS ONE, 2020, 15, e0244790.	2.5	1
32	Genisteinâ€induced DNA damage is repaired by nonhomologous end joining and homologous recombination in TK6 cells. Journal of Cellular Physiology, 2019, 234, 2683-2692.	4.1	4
33	Applicability Domain of Active Learning in Chemical Probe Identification: Convergence in Learning from Non-Specific Compounds and Decision Rule Clarification. Molecules, 2019, 24, 2716.	3.8	7
34	Processing of a single ribonucleotide embedded into DNA by human nucleotide excision repair and DNA polymerase Î·. Scientific Reports, 2019, 9, 13910.	3.3	8
35	Type II DNA Topoisomerases Cause Spontaneous Double-Strand Breaks in Genomic DNA. Genes, 2019, 10, 868.	2.4	60
36	BRCA1 Haploinsufficiency Is Masked by RNF168-Mediated Chromatin Ubiquitylation. Molecular Cell, 2019, 73, 1267-1281.e7.	9.7	78

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37	Spatial Chromosome Folding and Active Transcription Drive DNA Fragility and Formation of Oncogenic MLL Translocations. Molecular Cell, 2019, 75, 267-283.e12.	9.7	104
38	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
39	A screening for DNA damage response molecules that affect HIV-1 infection. Biochemical and Biophysical Research Communications, 2019, 513, 93-98.	2.1	20
40	Correlation of homologous recombination deficiency induced mutational signatures with sensitivity to PARP inhibitors and cytotoxic agents. Genome Biology, 2019, 20, 240.	8.8	82
41	Brca1 is involved in tolerance to adefovir dipivoxilâ€‘induced DNA damage. International Journal of Molecular Medicine, 2019, 43, 2491-2498.	4.0	3
42	Chemogenomic Active Learning's Domain of Applicability on Small, Sparse qHTS Matrices: A Study Using Cytochrome P450 and Nuclear Hormone Receptor Families. ChemMedChem, 2018, 13, 511-521.	3.2	11
43	Disruption of Hif-1Î± enhances cytotoxic effects of metformin in murine squamous cell carcinoma. International Journal of Radiation Biology, 2018, 94, 88-96.	1.8	4
44	SUMOylation of PCNA by PIAS1 and PIAS4 promotes template switch in the chicken and human B cell lines. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12793-12798.	7.1	30
45	BRCA1 ensures genome integrity by eliminating estrogen-induced pathological topoisomerase IIâ€“DNA complexes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10642-E10651.	7.1	75
46	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
47	SPARTAN promotes genetic diversification of the immunoglobulin-variable gene locus in avian DT40 cells. DNA Repair, 2018, 68, 50-57.	2.8	11
48	Chromatin remodeler ALC1 prevents replication-fork collapse by slowing fork progression. PLoS ONE, 2018, 13, e0192421.	2.5	11
49	Multiple repair pathways mediate cellular tolerance to resveratrol-induced DNA damage. Toxicology in Vitro, 2017, 42, 130-138.	2.4	12
50	Cytotoxicity of Tirapazamine (3-Amino-1,2,4-benzotriazine-1,4-dioxide)-Induced DNA Damage in Chicken DT40 Cells. Chemical Research in Toxicology, 2017, 30, 699-704.	3.3	19
51	TDP1 is Critical for the Repair of DNA Breaks Induced by Sapacitabine, a Nucleoside also Targeting ATM- and BRCA-Deficient Tumors. Molecular Cancer Therapeutics, 2017, 16, 2543-2551.	4.1	25
52	SEL1L-dependent Substrates Require Derlin2/3 and Herp1/2 for Endoplasmic Reticulum-associated Degradation. Cell Structure and Function, 2017, 42, 81-94.	1.1	13
53	Complementation of aprataxin deficiency by base excision repair enzymes in mitochondrial extracts. Nucleic Acids Research, 2017, 45, 10079-10088.	14.5	24
54	Selective cytotoxicity of the anti-diabetic drug, metformin, in glucose-deprived chicken DT40 cells. PLoS ONE, 2017, 12, e0185141.	2.5	6

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55	ALC1/CHD1L, a chromatin-remodeling enzyme, is required for efficient base excision repair. PLoS ONE, 2017, 12, e0188320.	2.5	34
56	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
57	Identification of genotoxic compounds using isogenic DNA repair deficient DT40 cell lines on a quantitative high throughput screening platform. Mutagenesis, 2016, 31, gev055.	2.6	25
58	A High-Throughput Screen Identifies 2,9-Diazaspiro[5.5]Undecanes as Inducers of the Endoplasmic Reticulum Stress Response with Cytotoxic Activity in 3D Glioma Cell Models. PLoS ONE, 2016, 11, e0161486.	2.5	9
59	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
60	The role of HERC2 and RNF8 ubiquitin E3 ligases in the promotion of translesion DNA synthesis in the chicken DT40 cell line. DNA Repair, 2016, 40, 67-76.	2.8	20
61	Deazaflavin Inhibitors of Tyrosyl-DNA Phosphodiesterase 2 (TDP2) Specific for the Human Enzyme and Active against Cellular TDP2. ACS Chemical Biology, 2016, 11, 1925-1933.	3.4	32
62	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
63	Proteomics Analysis with a Nano Random Forest Approach Reveals Novel Functional Interactions Regulated by SMC Complexes on Mitotic Chromosomes. Molecular and Cellular Proteomics, 2016, 15, 2802-2818.	3.8	20
64	Mre11 Is Essential for the Removal of Lethal Topoisomerase 2 Covalent Cleavage Complexes. Molecular Cell, 2016, 64, 580-592.	9.7	144
65	The role of the Mre11â€“Rad50â€“Nbs1 complex in double-strand break repairâ€”facts and myths. Journal of Radiation Research, 2016, 57, i25-i32.	1.6	14
66	In vivoevidence for translesion synthesis by the replicative DNA polymerase Î´. Nucleic Acids Research, 2016, 44, gkw439.	14.5	33
67	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
68	Genetic Evidence for Genotoxic Effect of Entecavir, an Anti-Hepatitis B Virus Nucleotide Analog. PLoS ONE, 2016, 11, e0147440.	2.5	12
69	Homologous Recombination and Translesion DNA Synthesis Play Critical Roles on Tolerating DNA Damage Caused by Trace Levels of Hexavalent Chromium. PLoS ONE, 2016, 11, e0167503.	2.5	7
70	Poor recognition of O6-isopropyl dG by MGMT triggers double strand break-mediated cell death and micronucleus induction in FANC-deficient cells. Oncotarget, 2016, 7, 59795-59808.	1.8	2
71	Oxidative stress at low levels can induce clustered DNA lesions leading to NHEJ mediated mutations. Oncotarget, 2016, 7, 25377-25390.	1.8	96
72	Chemical genetics for analyzing molecular mechanisms underlying genotoxicity and anti-cancer effects. Tenri Medical Bulletin, 2016, 19, 1-10.	0.1	0

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73	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
74	ATM and SIRT6/SNF2H Mediate Transient H2AX Stabilization When DSBs Form by Blocking HUWE1 to Allow Efficient Î³H2AX Foci Formation. Cell Reports, 2015, 13, 2728-2740.	6.4	87
75	BRCA1 and CtIP Are Both Required to Recruit Dna2 at Double-Strand Breaks in Homologous Recombination. PLoS ONE, 2015, 10, e0124495.	2.5	33
76	Smarcal1 promotes double-strand-break repair by nonhomologous end-joining. Nucleic Acids Research, 2015, 43, 6359-6372.	14.5	42
77	Distinct DNA Damage Spectra Induced by Ionizing Radiation in Normoxic and Hypoxic Cells. Radiation Research, 2015, 184, 442-448.	1.5	9
78	Viable Neuronopathic Gaucher Disease Model in Medaka (Oryzias latipes) Displays Axonal Accumulation of Alpha-Synuclein. PLoS Genetics, 2015, 11, e1005065.	3.5	60
79	Incorporation of metabolic activation potentiates cyclophosphamide-induced DNA damage response in isogenic DT40 mutant cells. Mutagenesis, 2015, 30, 821-828.	2.6	2
80	Abacavir, an antiâ€“HIV-1 drug, targets TDP1-deficient adult T cell leukemia. Science Advances, 2015, 1, e1400203.	10.3	28
81	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
82	Production of Extrachromosomal MicroDNAs Is Linked to Mismatch Repair Pathways and Transcriptional Activity. Cell Reports, 2015, 11, 1749-1759.	6.4	135
83	Forcible destruction of severely misfolded mammalian glycoproteins by the non-glycoprotein ERAD pathway. Journal of Cell Biology, 2015, 211, 775-784.	5.2	39
84	RNF4-mediated polyubiquitination regulates the Fanconi anemia/BRCA pathway. Journal of Clinical Investigation, 2015, 125, 1523-1532.	8.2	33
85	Histone Deacetylase Inhibitors Selectively Target Homology Dependent DNA Repair Defective Cells and Elevate Non-Homologous Endjoining Activity. PLoS ONE, 2014, 9, e87203.	2.5	17
86	EDEM2 initiates mammalian glycoprotein ERAD by catalyzing the first mannose trimming step. Journal of Cell Biology, 2014, 206, 347-356.	5.2	131
87	Exploring the Pathogenetic Mechanisms underlying Parkinson's Disease in Medaka Fish. Journal of Parkinson's Disease, 2014, 4, 301-310.	2.8	15
88	<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
89	Cancer risk at low doses of ionizing radiation: artificial neural networks inference from atomic bomb survivors. Journal of Radiation Research, 2014, 55, 391-406.	1.6	49
90	Tumor suppressor RecQL5 controls recombination induced by DNA crosslinking agents. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1002-1012.	4.1	11

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91	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
92	Differential and Common DNA Repair Pathways for Topoisomerase I- and II-Targeted Drugs in a Genetic DT40 Repair Cell Screen Panel. Molecular Cancer Therapeutics, 2014, 13, 214-220.	4.1	116
93	Stereospecific PARP Trapping by BMN 673 and Comparison with Olaparib and Rucaparib. Molecular Cancer Therapeutics, 2014, 13, 433-443.	4.1	627
94	Rationale for Poly(ADP-ribose) Polymerase (PARP) Inhibitors in Combination Therapy with Camptothecins or Temozolomide Based on PARP Trapping versus Catalytic Inhibition. Journal of Pharmacology and Experimental Therapeutics, 2014, 349, 408-416.	2.5	237
95	Compensatory Functions and Interdependency of the DNA-Binding Domain of BRCA2 with the BRCA1â€“PALB2â€“BRCA2 Complex. Cancer Research, 2014, 74, 797-807.	0.9	20
96	Leptin receptor-deficient (knockout) medaka, Oryzias latipes, show chronical up-regulated levels of orexigenic neuropeptides, elevated food intake and stage specific effects on growth and fat allocation. General and Comparative Endocrinology, 2014, 195, 9-20.	1.8	69
97	Identification of novel PARP inhibitors using a cell-based TDP1 inhibitory assay in a quantitative high-throughput screening platform. DNA Repair, 2014, 21, 177-182.	2.8	21
98	Berberine induces double-strand DNA breaks in Rev3 deficient cells. Molecular Medicine Reports, 2014, 9, 1883-1888.	2.4	19
99	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
100	Impact of DNA repair pathways on the cytotoxicity of piperlongumine in chicken DT40 cell-lines.. Genes and Cancer, 2014, 5, 285-292.	1.9	14
101	Genetics meets Chemical Biology. Japanese Journal of Pesticide Science, 2014, 39, 137-144.	0.0	0
102	ATP13A2 deficiency induces a decrease in cathepsin D activity, fingerprintâ€like inclusion body formation, and selective degeneration of dopaminergic neurons. FEBS Letters, 2013, 587, 1316-1325.	2.8	63
103	Genotoxic potentials and related mechanisms of bisphenol A and other bisphenol compounds: A comparison study employing chicken DT40 cells. Chemosphere, 2013, 93, 434-440.	8.2	91
104	Chicken DT40 cell line lacking DJ-1, the gene responsible for familial Parkinson's disease, displays mitochondrial dysfunction. Neuroscience Research, 2013, 77, 228-233.	1.9	6
105	Structure-Specific Endonucleases Xpf and Mus81 Play Overlapping but Essential Roles in DNA Repair by Homologous Recombination. Cancer Research, 2013, 73, 4362-4371.	0.9	31
106	ATF6Î±/Î²-mediated adjustment of ER chaperone levels is essential for development of the notochord in medaka fish. Molecular Biology of the Cell, 2013, 24, 1387-1395.	2.1	51
107	The Unfolded Protein Response Transducer ATF6 Represents a Novel Transmembrane-type Endoplasmic Reticulum-associated Degradation Substrate Requiring Both Mannose Trimming and SEL1L Protein. Journal of Biological Chemistry, 2013, 288, 31517-31527.	3.4	68
108	PINK1 and Parkin complementarily protect dopaminergic neurons in vertebrates. Human Molecular Genetics, 2013, 22, 2423-2434.	2.9	44

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109	Interference in DNA Replication Can Cause Mitotic Chromosomal Breakage Unassociated with Double-Strand Breaks. PLoS ONE, 2013, 8, e60043.	2.5	18
110	The helicase domain and C-terminus of human RecQL4 facilitate replication elongation on DNA templates damaged by ionizing radiation. Carcinogenesis, 2012, 33, 1203-1210.	2.8	27
111	Tyrosyl-DNA Phosphodiesterase 1 (TDP1) Repairs DNA Damage Induced by Topoisomerases I and II and Base Alkylation in Vertebrate Cells. Journal of Biological Chemistry, 2012, 287, 12848-12857.	3.4	155
112	TDP2 promotes repair of topoisomerase I-mediated DNA damage in the absence of TDP1. Nucleic Acids Research, 2012, 40, 8371-8380.	14.5	86
113	Trapping of PARP1 and PARP2 by Clinical PARP Inhibitors. Cancer Research, 2012, 72, 5588-5599.	0.9	1,657
114	Potentials and mechanisms of genotoxicity of six pharmaceuticals frequently detected in freshwater environment. Toxicology Letters, 2012, 211, 70-76.	0.8	43
115	The SUMO protease SENP1 is required for cohesion maintenance and mitotic arrest following spindle poison treatment. Biochemical and Biophysical Research Communications, 2012, 426, 310-316.	2.1	13
116	Inhibition of Homologous Recombination by the PCNA-Interacting Protein PARI. Molecular Cell, 2012, 45, 75-86.	9.7	196
117	Establishment and characterization of <scp>R</scp>oberts syndrome and <scp>SC</scp> phocomelia model medaka (<scp>O</scp>ryzias latipes). Development Growth and Differentiation, 2012, 54, 588-604.	1.5	13
118	Purification of the Human SMNâ€“GEMIN2 Complex and Assessment of Its Stimulation of RAD51-Mediated DNA Recombination Reactions. Biochemistry, 2011, 50, 6797-6805.	2.5	20
119	Genotoxicity and Endocrine-Disruption Potentials of Sediment near an Oil Spill Site: Two Years after theHebei SpiritOil Spill. Environmental Science & Technology, 2011, 45, 7481-7488.	10.0	64
120	Genotoxicity of Several Polybrominated Diphenyl Ethers (PBDEs) and Hydroxylated PBDEs, and Their Mechanisms of Toxicity. Environmental Science & Technology, 2011, 45, 5003-5008.	10.0	90
121	SEL1L Is Required for Endoplasmic Reticulum-associated Degradation of Misfolded Luminal Proteins but not Transmembrane Proteins in Chicken DT40 Cell Line. Cell Structure and Function, 2011, 36, 187-195.	1.1	22
122	Vertebrate Unfolded Protein Response: Mammalian Signaling Pathways Are Conserved in Medaka Fish. Cell Structure and Function, 2011, 36, 247-259.	1.1	39
123	Myostatin-deficient medaka exhibit a double-muscling phenotype with hyperplasia and hypertrophy, which occur sequentially during post-hatch development. Developmental Biology, 2011, 359, 82-94.	2.0	74
124	The Histone Chaperone Facilitates Chromatin Transcription (FACT) Protein Maintains Normal Replication Fork Rates. Journal of Biological Chemistry, 2011, 286, 30504-30512.	3.4	68
125	Convenient, multiâ€well plateâ€based DNA damage response analysis using DT40 mutants is applicable to a highâ€throughput genotoxicity assay with characterization of modes of action. Environmental and Molecular Mutagenesis, 2011, 52, 153-160.	2.2	26
126	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

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127	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
128	The USP1/UAF1 Complex Promotes Double-Strand Break Repair through Homologous Recombination. Molecular and Cellular Biology, 2011, 31, 2462-2469.	2.3	104
129	CtIP and MRN promote non-homologous end-joining of etoposide-induced DNA double-strand breaks in G1. Nucleic Acids Research, 2011, 39, 2144-2152.	14.5	97
130	Aurora A and Aurora B jointly coordinate chromosome segregation and anaphase microtubule dynamics. Journal of Cell Biology, 2011, 195, 1103-1113.	5.2	68
131	The Epistatic Relationship between BRCA2 and the Other RAD51 Mediators in Homologous Recombination. PLoS Genetics, 2011, 7, e1002148.	3.5	60
132	Regulation of the Fanconi anemia pathway by a SUMO-like delivery network. Genes and Development, 2011, 25, 1847-1858.	5.9	93
133	Accumulation of true single strand breaks and AP sites in base excision repair deficient cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 694, 65-71.	1.0	26
134	Mutant cells defective in DNA repair pathways provide a sensitive high-throughput assay for genotoxicity. DNA Repair, 2010, 9, 1292-1298.	2.8	30
135	Proteasome inhibition in medaka brain induces the features of Parkinsonâ€™s disease. Journal of Neurochemistry, 2010, 115, 178-187.	3.9	46
136	Ammonium chloride and tunicamycin are novel toxins for dopaminergic neurons and induce Parkinsonâ€™s diseaseâ€like phenotypes in medaka fish. Journal of Neurochemistry, 2010, 115, 1150-1160.	3.9	19
137	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
138	PTIP promotes DNA doubleâ€strand break repair through homologous recombination. Genes To Cells, 2010, 15, 243-254.	1.2	43
139	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
140	GEMIN2 promotes accumulation of RAD51 at double-strand breaks in homologous recombination. Nucleic Acids Research, 2010, 38, 5059-5074.	14.5	27
141	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
142	Histone H1 null vertebrate cells exhibit altered nucleosome architecture. Nucleic Acids Research, 2010, 38, 3533-3545.	14.5	47
143	Crystal Structure of Human REV7 in Complex with a Human REV3 Fragment and Structural Implication of the Interaction between DNA Polymerase Î¶ and REV1. Journal of Biological Chemistry, 2010, 285, 12299-12307.	3.4	110
144	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

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145	Dual Functions of ASCIZ in the DNA Base Damage Response and Pulmonary Organogenesis. PLoS Genetics, 2010, 6, e1001170.	3.5	30
146	The BRCT Domain of PARP-1 Is Required for Immunoglobulin Gene Conversion. PLoS Biology, 2010, 8, e1000428.	5.6	28
147	Collaborative Action of Brca1 and CtIP in Elimination of Covalent Modifications from Double-Strand Breaks to Facilitate Subsequent Break Repair. PLoS Genetics, 2010, 6, e1000828.	3.5	133
148	Characteristics of DNA-binding proteins determine the biological sensitivity to high-linear energy transfer radiation. Nucleic Acids Research, 2010, 38, 3245-3251.	14.5	66
149	RAP80 Acts Independently of BRCA1 in Repair of Topoisomerase II Poison-Induced DNA Damage. Cancer Research, 2010, 70, 8467-8474.	0.9	9
150	FEN1 Functions in Long Patch Base Excision Repair Under Conditions of Oxidative Stress in Vertebrate Cells. Molecular Cancer Research, 2010, 8, 204-215.	3.4	32
151	A Mutated EGFR Is Sufficient to Induce Malignant Melanoma with Genetic Background-Dependent Histopathologies. Journal of Investigative Dermatology, 2010, 130, 249-258.	0.7	79
152	Loss of PINK1 in medaka fish (Oryzias latipes) causes late-onset decrease in spontaneous movement. Neuroscience Research, 2010, 66, 151-161.	1.9	27
153	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
154	A Novel Approach Using DNA-Repairâ€“Deficient Chicken DT40 Cell Lines for Screening and Characterizing the Genotoxicity of Environmental Contaminants. Environmental Health Perspectives, 2009, 117, 1737-1744.	6.0	47
155	Genetic Evidence That the Non-Homologous End-Joining Repair Pathway Is Involved in LINE Retrotransposition. PLoS Genetics, 2009, 5, e1000461.	3.5	121
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