Jan H J Hoeijmakers

List of Publications by Year in descending order

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192	30,620	6486 82	5347 170
papers	citations	h-index	g-index

200	200	200	32277
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photorepair of Either CPD or 6-4PP DNA Lesions in Basal Keratinocytes Attenuates Ultraviolet-Induced Skin Effects in Nucleotide Excision Repair Deficient Mice. Frontiers in Immunology, 2022, 13, 800606.	2.2	7
2	Different responses to DNA damage determine ageing differences between organs. Aging Cell, 2022, 21, e13562.	3.0	16
3	Nutritional Preconditioning in Cancer Treatment in Relation to DNA Damage and Aging. Annual Review of Cancer Biology, 2021, 5, 161-179.	2.3	13
4	Base editor repairs mutation found in the premature-ageing syndrome progeria. Nature, 2021, 589, 522-524.	13.7	2
5	Unlike dietary restriction, rapamycin fails to extend lifespan and reduce transcription stress in progeroid DNA repairâ€deficient mice. Aging Cell, 2021, 20, e13302.	3.0	27
6	The central role of DNA damage in the ageing process. Nature, 2021, 592, 695-703.	13.7	340
7	Protein instability associated with AARS1 and MARS1 mutations causes trichothiodystrophy. Human Molecular Genetics, 2021, 30, 1711-1720.	1.4	20
8	In vivo 5-ethynyluridine (EU) labelling detects reduced transcription in Purkinje cell degeneration mouse mutants, but can itself induce neurodegeneration. Acta Neuropathologica Communications, 2021, 9, 94.	2.4	10
9	Deficiency in the DNA repair protein ERCC1 triggers a link between senescence and apoptosis in human fibroblasts and mouse skin. Aging Cell, 2020, 19, e13072.	3.0	41
10	Local endothelial DNA repair deficiency causes aging-resembling endothelial-specific dysfunction. Clinical Science, 2020, 134, 727-746.	1.8	25
11	Protein and calorie restriction may improve outcomes in living kidney donors and kidney transplant recipients. Aging, 2020, 12, 12441-12467.	1.4	13
12	ARDD 2020: from aging mechanisms to interventions. Aging, 2020, 12, 24484-24503.	1.4	32
13	Bi-allelic TARS Mutations Are Associated with Brittle Hair Phenotype. American Journal of Human Genetics, 2019, 105, 434-440.	2.6	42
14	DNA damage and transcription stress cause ATP-mediated redesign of metabolism and potentiation of anti-oxidant buffering. Nature Communications, 2019, 10, 4887.	5.8	43
15	Deficiency of nucleotide excision repair is associated with mutational signature observed in cancer. Genome Research, 2019, 29, 1067-1077.	2.4	66
16	Compression of morbidity in a progeroid mouse model through the attenuation of myostatin/activin signalling. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 662-686.	2.9	22
17	The DNA damage response to transcription stress. Nature Reviews Molecular Cell Biology, 2019, 20, 766-784.	16.1	184
18	DNA damage sensitivity of SWI/SNF-deficient cells depends on TFIIH subunit p62/GTF2H1. Nature Communications, 2018, 9, 4067.	5.8	25

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19	Nuclear Genomic Instability and Aging. Annual Review of Biochemistry, 2018, 87, 295-322.	5.0	178
20	Dietary restriction but not angiotensin II type 1 receptor blockade improves DNA damage-related vasodilator dysfunction in rapidly aging Ercc1Î”/â^' mice. Clinical Science, 2017, 131, 1941-1953.	1.8	14
21	Cellular senescence drives age-dependent hepatic steatosis. Nature Communications, 2017, 8, 15691.	5.8	673
22	Targeted Apoptosis of Senescent Cells Restores Tissue Homeostasis in Response to Chemotoxicity and Aging. Cell, 2017, 169, 132-147.e16.	13.5	979
23	Frontline Science: Tryptophan restriction arrests B cell development and enhances microbial diversity in WT and prematurely aging Ercc1â^'/Î”7 mice. Journal of Leukocyte Biology, 2017, 101, 811-821.	1.5	26
24	Trichothiodystrophy causative TFIIEÎ² mutation affects transcription in highly differentiated tissue. Human Molecular Genetics, 2017, 26, 4689-4698.	1.4	38
25	Supplementation with Lactobacillus plantarum WCFS1 Prevents Decline of Mucus Barrier in Colon of Accelerated Aging Ercc1â^'/Î”7 Mice. Frontiers in Immunology, 2016, 7, 408.	2.2	49
26	Inefficient DNA Repair Is an Aging-Related Modifier of Parkinsonâ€™s Disease. Cell Reports, 2016, 15, 1866-1875.	2.9	93
27	Menopause: Genome stability as new paradigm. Maturitas, 2016, 92, 15-23.	1.0	57
28	Tumor slice culture system to assess drug response of primary breast cancer. BMC Cancer, 2016, 16, 78.	1.1	114
29	Non-catalytic Roles for XPG with BRCA1 and BRCA2 in Homologous Recombination and Genome Stability. Molecular Cell, 2016, 61, 535-546.	4.5	42
30	Hair follicle aging is driven by transepidermal elimination of stem cells via COL17A1 proteolysis. Science, 2016, 351, aad4395.	6.0	265
31	Whole chromosome aneuploidy in the brain of Bub1bH/Hand Ercc1â^'/Î”7mice. Human Molecular Genetics, 2016, 25, 755-765.	1.4	17
32	Genome Integrity in Aging: Human Syndromes, Mouse Models, and Therapeutic Options. Annual Review of Pharmacology and Toxicology, 2016, 56, 427-445.	4.2	94
33	Tissue-Specific Suppression of Thyroid Hormone Signaling in Various Mouse Models of Aging. PLoS ONE, 2016, 11, e0149941.	1.1	23
34	Altered lipid metabolism in the aging kidney identified by three layered omic analysis. Aging, 2016, 8, 441-454.	1.4	46
35	Attenuated XPC Expression Is Not Associated with Impaired DNA Repair in Bladder Cancer. PLoS ONE, 2015, 10, e0126029.	1.1	10
36	Comparative analysis of genome maintenance genes in naked mole rat, mouse, and human. Aging Cell, 2015, 14, 288-291.	3.0	58

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37	The core spliceosome as target and effector of non-canonical ATM signalling. Nature, 2015, 523, 53-58.	13.7	212
38	MARK-AGE biomarkers of ageing. Mechanisms of Ageing and Development, 2015, 151, 2-12.	2.2	189
39	Deciphering the RNA landscape by RNAome sequencing. RNA Biology, 2015, 12, 30-42.	1.5	23
40	The Cerebro-oculo-facio-skeletal Syndrome Point Mutation F231L in the ERCC1 DNA Repair Protein Causes Dissociation of the ERCC1-XPF Complex. Journal of Biological Chemistry, 2015, 290, 20541-20555.	1.6	14
41	Check, Check â€¦ Triple Check: Multi-Step DNA Lesion Identification by Nucleotide Excision Repair. Molecular Cell, 2015, 59, 885-886.	4.5	8
42	A mRad51-GFP antimorphic allele affects homologous recombination and DNA damage sensitivity. DNA Repair, 2015, 25, 27-40.	1.3	6
43	Cell-Autonomous Progeroid Changes in Conditional Mouse Models for Repair Endonuclease XPG Deficiency. PLoS Genetics, 2014, 10, e1004686.	1.5	54
44	An Essential Role for Senescent Cells in Optimal Wound Healing through Secretion of PDGF-AA. Developmental Cell, 2014, 31, 722-733.	3.1	1,376
45	Priming of microglia in a DNA-repair deficient model of accelerated aging. Neurobiology of Aging, 2014, 35, 2147-2160.	1.5	111
46	The DNA damage response: The omics era and its impact. DNA Repair, 2014, 19, 214-220.	1.3	29
47	TTDA: Big impact of a small protein. Experimental Cell Research, 2014, 329, 61-68.	1.2	25
48	Understanding nucleotide excision repair and its roles in cancer and ageing. Nature Reviews Molecular Cell Biology, 2014, 15, 465-481.	16.1	865
49	Pollitt syndrome patients carry mutation in TTDN1. Meta Gene, 2014, 2, 616-618.	0.3	6
50	Functional Ex Vivo Assay to Select Homologous Recombinationâ€“Deficient Breast Tumors for PARP Inhibitor Treatment. Clinical Cancer Research, 2014, 20, 4816-4826.	3.2	144
51	Aging: not all DNA damage is equal. Current Opinion in Genetics and Development, 2014, 26, 124-130.	1.5	55
52	DNA damage responsive microRNAs misexpressed in human cancer modulate therapy sensitivity. Molecular Oncology, 2014, 8, 458-468.	2.1	46
53	Preoperative Fasting Protects against Renal Ischemia-Reperfusion Injury in Aged and Overweight Mice. PLoS ONE, 2014, 9, e100853.	1.1	26
54	Cockayne syndrome pathogenesis: Lessons from mouse models. Mechanisms of Ageing and Development, 2013, 134, 180-195.	2.2	45

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55	<scp>DNA</scp> damage in normally and prematurely aged mice. Aging Cell, 2013, 12, 467-477.	3.0	50
56	Global Regulation of Promoter Melting in Naive Lymphocytes. Cell, 2013, 153, 988-999.	13.5	145
57	Life spanning murine gene expression profiles in relation to chronological and pathological aging in multiple organs. Aging Cell, 2013, 12, 901-909.	3.0	58
58	Spatio-temporal Analysis of Molecular Determinants of Neuronal Degeneration in the Aging Mouse Cerebellum. Molecular and Cellular Proteomics, 2013, 12, 1350-1362.	2.5	28
59	Disruption of TTDA Results in Complete Nucleotide Excision Repair Deficiency and Embryonic Lethality. PLoS Genetics, 2013, 9, e1003431.	1.5	32
60	High Preservation of CpG Cytosine Methylation Patterns at Imprinted Gene Loci in Liver and Brain of Aged Mice. PLoS ONE, 2013, 8, e73496.	1.1	4
61	Aging on a different scale â€“ chronological versus pathology-related aging. Aging, 2013, 5, 782-788.	1.4	20
62	Genome stability, progressive kidney failure and aging. Nature Genetics, 2012, 44, 836-838.	9.4	36
63	Effects of compound heterozygosity at the Xpd locus on cancer and ageing in mouse models. DNA Repair, 2012, 11, 874-883.	1.3	7
64	Nucleotide excision repairâ€“initiating proteins bind to oxidative DNA lesions in vivo. Journal of Cell Biology, 2012, 199, 1037-1046.	2.3	95
65	Recognition of DNA damage by XPC coincides with disruption of the XPCâ€“RAD23 complex. Journal of Cell Biology, 2012, 196, 681-688.	2.3	65
66	Synaptic Proteome Changes in a DNA Repair Deficient Ercc1 Mouse Model of Accelerated Aging. Journal of Proteome Research, 2012, 11, 1855-1867.	1.8	31
67	UV-sensitive syndrome protein UVSSA recruits USP7 to regulate transcription-coupled repair. Nature Genetics, 2012, 44, 598-602.	9.4	213
68	Accelerated loss of hearing and vision in the DNA-repair deficient Ercc1Î´/â^' mouse. Mechanisms of Ageing and Development, 2012, 133, 59-67.	2.2	13
69	The Structure of the XPF-ssDNA Complex Underscores the Distinct Roles of the XPF and ERCC1 Helix-Hairpin-Helix Domains in ss/ds DNA Recognition. Structure, 2012, 20, 667-675.	1.6	28
70	Age-Related Skeletal Dynamics and Decrease in Bone Strength in DNA Repair Deficient Male Trichothiodystrophy Mice. PLoS ONE, 2012, 7, e35246.	1.1	15
71	Dietary Restriction Modifies Certain Aspects of the Postoperative Acute Phase Response. Journal of Surgical Research, 2011, 171, 582-589.	0.8	12
72	Human RAD18 Interacts with Ubiquitylated Chromatin Components and Facilitates RAD9 Recruitment to DNA Double Strand Breaks. PLoS ONE, 2011, 6, e23155.	1.1	20

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73	Glucose Supplementation Does Not Interfere With Fasting-Induced Protection Against Renal Ischemia/Reperfusion Injury in Mice. Transplantation, 2011, 92, 752-758.	0.5	16
74	Broad segmental progeroid changes in short-lived Ercc1 ^{â^'/Î”7} mice. Pathobiology of Aging & Age Related Diseases, 2011, 1, 7219.	1.1	79
75	Preâ€operative dietary restriction is feasible in liveâ€kidney donors. Clinical Transplantation, 2011, 25, 486-494.	0.8	22
76	HLTF and SHPRH are not essential for PCNA polyubiquitination, survival and somatic hypermutation: Existence of an alternative E3 ligase. DNA Repair, 2011, 10, 438-444.	1.3	53
77	Analysis of osteoarthritis in a mouse model of the progeroid human DNA repair syndrome trichothiodystrophy. Age, 2011, 33, 247-260.	3.0	12
78	Accelerated Age-Related Cognitive Decline and Neurodegeneration, Caused by Deficient DNA Repair. Journal of Neuroscience, 2011, 31, 12543-12553.	1.7	110
79	Age-Related Neuronal Degeneration: Complementary Roles of Nucleotide Excision Repair and Transcription-Coupled Repair in Preventing Neuropathology. PLoS Genetics, 2011, 7, e1002405.	1.5	64
80	Meiotic functions of RAD18. Journal of Cell Science, 2011, 124, 2837-2850.	1.2	20
81	Age-related motor neuron degeneration in DNA repair-deficient Ercc1 mice. Acta Neuropathologica, 2010, 120, 461-475.	3.9	86
82	Serum N-glycan profile shift during human ageing. Experimental Gerontology, 2010, 45, 738-743.	1.2	109
83	A link between the accumulation of DNA damage and loss of multiâ€potency of human mesenchymal stromal cells. Journal of Cellular and Molecular Medicine, 2010, 14, 2729-2738.	1.6	77
84	Shortâ€term dietary restriction and fasting precondition against ischemia reperfusion injury in mice. Aging Cell, 2010, 9, 40-53.	3.0	212
85	Involvement of Global Genome Repair, Transcription Coupled Repair, and Chromatin Remodeling in UV DNA Damage Response Changes during Development. PLoS Genetics, 2010, 6, e1000941.	1.5	111
86	MicroRNA responses and stress granule formation modulate the DNA damage response. Cell Cycle, 2009, 8, 3462-3468.	1.3	47
87	Differentiation Driven Changes in the Dynamic Organization of Basal Transcription Initiation. PLoS Biology, 2009, 7, e1000220.	2.6	48
88	Dynamic localization of human RAD18 during the cell cycle and a functional connection with DNA double-strand break repair. DNA Repair, 2009, 8, 190-201.	1.3	21
89	UV-DDB-dependent regulation of nucleotide excision repair kinetics in living cells. DNA Repair, 2009, 8, 767-776.	1.3	71
90	MicroRNA-mediated gene silencing modulates the UV-induced DNA-damage response. EMBO Journal, 2009, 28, 2090-2099.	3.5	236

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91	Persistent transcription-blocking DNA lesions trigger somatic growth attenuation associated with longevity. Nature Cell Biology, 2009, 11, 604-615.	4.6	127
92	Congenital DNA repair deficiency results in protection against renal ischemia reperfusion injury in mice. Aging Cell, 2009, 8, 192-200.	3.0	25
93	DNA Damage, Aging, and Cancer. New England Journal of Medicine, 2009, 361, 1475-1485.	13.9	1,783
94	The HhH domain of the human DNA repair protein XPF forms stable homodimers. Proteins: Structure, Function and Bioinformatics, 2008, 70, 1551-1563.	1.5	19
95	DNA damage and ageing: new-age ideas for an age-old problem. Nature Cell Biology, 2008, 10, 1241-1247.	4.6	325
96	Cell-type-specific consequences of nucleotide excision repair deficiencies: Embryonic stem cells versus fibroblasts. DNA Repair, 2008, 7, 1659-1669.	1.3	60
97	Age to survive: DNA damage and aging. Trends in Genetics, 2008, 24, 77-85.	2.9	230
98	ERCC1-XPF Endonuclease Facilitates DNA Double-Strand Break Repair. Molecular and Cellular Biology, 2008, 28, 5082-5092.	1.1	268
99	Cellular Concentrations of DDB2 Regulate Dynamic Binding of DDB1 at UV-Induced DNA Damage. Molecular and Cellular Biology, 2008, 28, 7402-7413.	1.1	33
100	Polyubiquitination of proliferating cell nuclear antigen by HLTF and SHPRH prevents genomic instability from stalled replication forks. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12411-12416.	3.3	237
101	Mouse Models for Xeroderma Pigmentosum Group A and Group C Show Divergent Cancer Phenotypes. Cancer Research, 2008, 68, 1347-1353.	0.4	61
102	Delayed and Accelerated Aging Share Common Longevity Assurance Mechanisms. PLoS Genetics, 2008, 4, e1000161.	1.5	178
103	Versatile DNA damage detection by the global genome nucleotide excision repair protein XPC. Journal of Cell Science, 2008, 121, 2850-2859.	1.2	109
104	Homeostatic Imbalance between Apoptosis and Cell Renewal in the Liver of Premature Aging XpdTTD Mice. PLoS ONE, 2008, 3, e2346.	1.1	26
105	Retinal Degeneration and Ionizing Radiation Hypersensitivity in a Mouse Model for Cockayne Syndrome. Molecular and Cellular Biology, 2007, 27, 1433-1441.	1.1	69
106	First Reported Patient with Human ERCC1 Deficiency Has Cerebro-Oculo-Facio-Skeletal Syndrome with a Mild Defect in Nucleotide Excision Repair and Severe Developmental Failure. American Journal of Human Genetics, 2007, 80, 457-466.	2.6	182
107	Mechanisms of ageing in chronic allograft nephropathy. Journal of Organ Dysfunction, 2007, 3, 7-17.	0.3	1
108	Deficiencies in DNA damage repair limit the function of haematopoietic stem cells with age. Nature, 2007, 447, 725-729.	13.7	994

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109	Extended longevity mechanisms in short-lived progeroid mice: Identification of a preservative stress response associated with successful aging. Mechanisms of Ageing and Development, 2007, 128, 58-63.	2.2	24
110	Genome maintenance mechanisms are critical for preventing cancer as well as other aging-associated diseases. Mechanisms of Ageing and Development, 2007, 128, 460-462.	2.2	64
111	Differential Role of Basal Keratinocytes in UV-Induced Immunosuppression and Skin Cancer. Molecular and Cellular Biology, 2006, 26, 8515-8526.	1.1	52
112	Dynamic Interaction of TTDA with TFIIH Is Stabilized by Nucleotide Excision Repair in Living Cells. PLoS Biology, 2006, 4, e156.	2.6	79
113	Rescue of Progeria in Trichothiodystrophy by Homozygous Lethal Xpd Alleles. PLoS Biology, 2006, 4, e322.	2.6	29
114	Ageing nucleus gets out of shape. Nature, 2006, 440, 32-34.	13.7	56
115	A new progeroid syndrome reveals that genotoxic stress suppresses the somatotroph axis. Nature, 2006, 444, 1038-1043.	13.7	601
116	An Xpd mouse model for the combined xeroderma pigmentosum/Cockayne syndrome exhibiting both cancer predisposition and segmental progeria. Cancer Cell, 2006, 10, 121-132.	7.7	78
117	Increased genomic instability is not a prerequisite for shortened lifespan in DNA repair deficient mice. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2006, 596, 22-35.	0.4	100
118	Impaired Genome Maintenance Suppresses the Growth Hormoneâ€“Insulin-Like Growth Factor 1 Axis in Mice with Cockayne Syndrome. PLoS Biology, 2006, 5, e2.	2.6	200
119	Adaptive Stress Response in Segmental Progeria Resembles Long-Lived Dwarfism and Calorie Restriction in Mice. PLoS Genetics, 2006, 2, e192.	1.5	53
120	Recruitment of the Nucleotide Excision Repair Endonuclease XPG to Sites of UV-Induced DNA Damage Depends on Functional TFIIH. Molecular and Cellular Biology, 2006, 26, 8868-8879.	1.1	88
121	DNA damage triggers nucleotide excision repair-dependent monoubiquitylation of histone H2A. Genes and Development, 2006, 20, 1343-1352.	2.7	217
122	Nucleotide Excision Repair Disorders and the Balance Between Cancer and Aging. Cell Cycle, 2006, 5, 2886-2888.	1.3	77
123	Reduced hematopoietic reserves in DNA interstrand crosslink repair-deficient Ercc1â^'/â^' mice. EMBO Journal, 2005, 24, 861-871.	3.5	130
124	Transcriptome analysis reveals cyclobutane pyrimidine dimers as a major source of UV-induced DNA breaks. EMBO Journal, 2005, 24, 3952-3962.	3.5	139
125	Powerful Skin Cancer Protection by a CPD-Photolyase Transgene. Current Biology, 2005, 15, 105-115.	1.8	188
126	The Structure of the Human ERCC1/XPF Interaction Domains Reveals a Complementary Role for the Two Proteins in Nucleotide Excision Repair. Structure, 2005, 13, 1849-1858.	1.6	116

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127	Dysregulation of the Peroxisome Proliferator-Activated Receptor Target Genes by XPD Mutations. Molecular and Cellular Biology, 2005, 25, 6065-6076.	1.1	377
128	Silencing of Unpaired Chromatin and Histone H2A Ubiquitination in Mammalian Meiosis. Molecular and Cellular Biology, 2005, 25, 1041-1053.	1.1	279
129	The CSB Protein Actively Wraps DNA. Journal of Biological Chemistry, 2005, 280, 4722-4729.	1.6	89
130	Fanconi Anemia (Cross)linked to DNA Repair. Cell, 2005, 123, 1191-1198.	13.5	275
131	Accelerated aging pathology in ad libitum fed XpdTTD mice is accompanied by features suggestive of caloric restriction. DNA Repair, 2005, 4, 1314-1324.	1.3	65
132	Repair characteristics and differentiation propensity of long-term cultures of epidermal keratinocytes derived from normal and NER-deficient mice. DNA Repair, 2005, 4, 1325-1336.	1.3	23
133	Nucleotide Excision Repair and its Connection with Cancer and Ageing. , 2005, 570, 45-83.		21
134	Different Effects of CSA and CSB Deficiency on Sensitivity to Oxidative DNA Damage. Molecular and Cellular Biology, 2004, 24, 7941-7948.	1.1	90
135	Ubiquitin ligase Rad18Sc localizes to the XY body and to other chromosomal regions that are unpaired and transcriptionally silenced during male meiotic prophase. Journal of Cell Science, 2004, 117, 5023-5033.	1.2	48
136	The Ubiquitin-Conjugating DNA Repair Enzyme HR6A Is a Maternal Factor Essential for Early Embryonic Development in Mice. Molecular and Cellular Biology, 2004, 24, 5485-5495.	1.1	104
137	Deletion of the Nucleotide Excision Repair Gene Ercc1 Reduces Immunoglobulin Class Switching and Alters Mutations Near Switch Recombination Junctions. Journal of Experimental Medicine, 2004, 200, 321-330.	4.2	36
138	DNA damage stabilizes interaction of CSB with the transcription elongation machinery. Journal of Cell Biology, 2004, 166, 27-36.	2.3	126
139	The Structure-Specific Endonuclease Ercc1-Xpf Is Required To Resolve DNA Interstrand Cross-Link-Induced Double-Strand Breaks. Molecular and Cellular Biology, 2004, 24, 5776-5787.	1.1	445
140	A new, tenth subunit of TFIIH is responsible for the DNA repair syndrome trichothiodystrophy group A. Nature Genetics, 2004, 36, 714-719.	9.4	307
141	In vivo dynamics of chromatin-associated complex formation in mammalian nucleotide excision repair. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15933-15937.	3.3	64
142	Relative levels of the two mammalian Rad23 homologs determine composition and stability of the xeroderma pigmentosum group C protein complex. DNA Repair, 2004, 3, 1285-1295.	1.3	63
143	Divide and conquer: nucleotide excision repair battles cancer and ageing. Current Opinion in Cell Biology, 2003, 15, 232-240.	2.6	136
144	Association of Transcription-Coupled Repair but Not Global Genome Repair with Ultraviolet-B-Induced Langerhans Cell Depletion and Local Immunosuppression. Journal of Investigative Dermatology, 2003, 121, 751-756.	0.3	19

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145	Genetic Correction of DNA Repair-Deficient/Cancer-Prone Xeroderma Pigmentosum Group C Keratinocytes. Human Gene Therapy, 2003, 14, 983-996.	1.4	52
146	ERCC1/XPF Removes the 3â€² Overhang from Uncapped Telomeres and Represses Formation of Telomeric DNA-Containing Double Minute Chromosomes. Molecular Cell, 2003, 12, 1489-1498.	4.5	349
147	Cell type-specific hypersensitivity to oxidative damage in CSB and XPA mice. DNA Repair, 2003, 2, 13-25.	1.3	125
148	DNA bending by the human damage recognition complex XPCâ€“HR23B. DNA Repair, 2003, 2, 325-336.	1.3	96
149	Aging and Genome Maintenance: Lessons from the Mouse?. Science, 2003, 299, 1355-1359.	6.0	538
150	Loss of HR6B Ubiquitin-Conjugating Activity Results in Damaged Synaptonemal Complex Structure and Increased Crossing-Over Frequency during the Male Meiotic Prophase. Molecular and Cellular Biology, 2003, 23, 1151-1162.	1.1	96
151	A novel regulation mechanism of DNA repair by damage-induced and RAD23-dependent stabilization of xeroderma pigmentosum group C protein. Genes and Development, 2003, 17, 1630-1645.	2.7	218
152	The role of DNA dependent protein kinase in synapsis of DNA ends. Nucleic Acids Research, 2003, 31, 7238-7246.	6.5	97
153	Xeroderma Pigmentosum Group A Protein Loads as a Separate Factor onto DNA Lesions. Molecular and Cellular Biology, 2003, 23, 5755-5767.	1.1	140
154	Translocation of Cockayne syndrome group A protein to the nuclear matrix: Possible relevance to transcription-coupled DNA repair. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 201-206.	3.3	113
155	Developmental Defects and Male Sterility in Mice Lacking the Ubiquitin-Like DNA Repair Gene mHR23B. Molecular and Cellular Biology, 2002, 22, 1233-1245.	1.1	99
156	Premature Aging in Mice Deficient in DNA Repair and Transcription. Science, 2002, 296, 1276-1279.	6.0	509
157	Rapid Switching of TFIIH between RNA Polymerase I and II Transcription and DNA Repair In Vivo. Molecular Cell, 2002, 10, 1163-1174.	4.5	187
158	UVB radiation-induced cancer predisposition in Cockayne syndrome group A (Csa) mutant mice. DNA Repair, 2002, 1, 143-157.	1.3	95
159	Analysis of mouse Rad54 expression and its implications for homologous recombination. DNA Repair, 2002, 1, 779-793.	1.3	67
160	Anti-tumour compounds illudin S and Irofulven induce DNA lesions ignored by global repair and exclusively processed by transcription- and replication-coupled repair pathways. DNA Repair, 2002, 1, 1027-1038.	1.3	137
161	Different types of V(D)J recombination and end-joining defects in DNA double-strand break repair mutant mammalian cells. European Journal of Immunology, 2002, 32, 701.	1.6	173
162	Nucleocytoplasmic shuttling and mCRY-dependent inhibition of ubiquitylation of the mPER2 clock protein. EMBO Journal, 2002, 21, 1301-1314.	3.5	236

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163	Nuclear dynamics of RAD52 group homologous recombination proteins in response to DNA damage. EMBO Journal, 2002, 21, 2030-2037.	3.5	217
164	Novel nuclear and mitochondrial glycosylases revealed by disruption of the mouse Nth1 gene encoding an endonuclease III homolog for repair of thymine glycols. EMBO Journal, 2002, 21, 3486-3493.	3.5	139
165	Enhanced repair of cyclobutane pyrimidine dimers and improved UV resistance in photolyase transgenic mice. EMBO Journal, 2002, 21, 4719-4729.	3.5	80
166	Chromosomal stability and the DNA double-stranded break connection. Nature Reviews Genetics, 2001, 2, 196-206.	7.7	1,049
167	Genome maintenance mechanisms for preventing cancer. Nature, 2001, 411, 366-374.	13.7	3,441
168	Transcription-Coupled and Global Genome Repair Differentially Influence UV-B-Induced Acute Skin Effects and Systemic Immunosuppression. Journal of Immunology, 2000, 164, 6199-6205.	0.4	47
169	Disruption of Mouse SNM1 Causes Increased Sensitivity to the DNA Interstrand Cross-Linking Agent Mitomycin C. Molecular and Cellular Biology, 2000, 20, 4553-4561.	1.1	125
170	ATP-Dependent Chromatin Remodeling by the Cockayne Syndrome B DNA Repair-Transcription-Coupling Factor. Molecular and Cellular Biology, 2000, 20, 7643-7653.	1.1	334
171	Mouse RAD54 Affects DNA Double-Strand Break Repair and Sister Chromatid Exchange. Molecular and Cellular Biology, 2000, 20, 3147-3156.	1.1	158
172	Mammalian Cry1 and Cry2 are essential for maintenance of circadian rhythms. Nature, 1999, 398, 627-630.	13.7	1,317
173	Photic Induction of mPer1 and mPer2 in Cry-Deficient Mice Lacking a Biological Clock. Science, 1999, 286, 2531-2534.	6.0	348
174	Rec8p, a Meiotic Recombination and Sister Chromatid Cohesion Phosphoprotein of the Rad21p Family Conserved from Fission Yeast to Humans. Molecular and Cellular Biology, 1999, 19, 3515-3528.	1.1	235
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