

David M Wilson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6675927/publications.pdf>

Version: 2024-02-01

174
papers

13,102
citations

17440
63
h-index

27406
106
g-index

175
all docs

175
docs citations

175
times ranked

12076
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome Integrity and Neurological Disease. International Journal of Molecular Sciences, 2022, 23, 4142.	4.1	6
2	Connecting aging biology and inflammation in the omics era. Journal of Clinical Investigation, 2022, 132, .	8.2	48
3	Fragment- and structure-based drug discovery for developing therapeutic agents targeting the DNA Damage Response. Progress in Biophysics and Molecular Biology, 2021, 163, 130-142.	2.9	21
4	NEK1 deficiency affects mitochondrial functions and the transcriptome of key DNA repair pathways. Mutagenesis, 2021, 36, 223-236.	2.6	8
5	Oxidative stress and impaired oligodendrocyte precursor cell differentiation in neurological disorders. Cellular and Molecular Life Sciences, 2021, 78, 4615-4637.	5.4	85
6	FEN1 Blockade for Platinum Chemo-Sensitization and Synthetic Lethality in Epithelial Ovarian Cancers. Cancers, 2021, 13, 1866.	3.7	12
7	LEO1 is a partner for Cockayne syndrome protein B (CSB) in response to transcription-blocking DNA damage. Nucleic Acids Research, 2021, 49, 6331-6346.	14.5	8
8	A systematic genome-wide mapping of oncogenic mutation selection during CRISPR-Cas9 genome editing. Nature Communications, 2021, 12, 6512.	12.8	24
9	Early Drug Discovery and Development of Novel Cancer Therapeutics Targeting DNA Polymerase Eta (POLH). Frontiers in Oncology, 2021, 11, 778925.	2.8	5
10	Functions of the major abasic endonuclease (APE1) in cell viability and genotoxin resistance. Mutagenesis, 2020, 35, 27-38.	2.6	40
11	Non-muscle invasive bladder cancer tissues have increased base excision repair capacity. Scientific Reports, 2020, 10, 16371.	3.3	10
12	DNA damage repair response in mesenchymal stromal cells: From cellular senescence and aging to apoptosis and differentiation ability. Ageing Research Reviews, 2020, 62, 101125.	10.9	35
13	Endonuclease FEN1 Coregulates ER α Activity and Provides a Novel Drug Interface in Tamoxifen-Resistant Breast Cancer. Cancer Research, 2020, 80, 1914-1926.	0.9	23
14	Androgen receptor-binding sites are highly mutated in prostate cancer. Nature Communications, 2020, 11, 832.	12.8	44
15	DNA Damage and Associated DNA Repair Defects in Disease and Premature Aging. American Journal of Human Genetics, 2019, 105, 237-257.	6.2	143
16	DNA Repair Molecular Beacon assay: a platform for real-time functional analysis of cellular DNA repair capacity. Oncotarget, 2018, 9, 31719-31743.	1.8	21
17	Regulation of the Intranuclear Distribution of the Cockayne Syndrome Proteins. Scientific Reports, 2018, 8, 17490.	3.3	8
18	Apurinic endonuclease-1 preserves neural genome integrity to maintain homeostasis and thermoregulation and prevent brain tumors. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E12285-E12294.	7.1	25

#	ARTICLE	IF	CITATIONS
19	Role of DNA Repair in Carcinogenesis and Cancer Therapeutics. , 2018, , 363-363.		0
20	APE1 deficiency promotes cellular senescence and premature aging features. Nucleic Acids Research, 2018, 46, 5664-5677.	14.5	41
21	Urea Cycle Dysregulation Generates Clinically Relevant Genomic and Biochemical Signatures. Cell, 2018, 174, 1559-1570.e22.	28.9	183
22	Tumor-associated APE1 variant exhibits reduced complementation efficiency but does not promote cancer cell phenotypes. Environmental and Molecular Mutagenesis, 2017, 58, 84-98.	2.2	13
23	A novel role for transcription-coupled nucleotide excision repair for the <i>in vivo</i> repair of 3,4-ethenocytosine. Nucleic Acids Research, 2017, 45, gkx015.	14.5	16
24	Coordination of DNA single strand break repair. Free Radical Biology and Medicine, 2017, 107, 228-244.	2.9	179
25	DNA Polymerase Beta Participates in Mitochondrial DNA Repair. Molecular and Cellular Biology, 2017, 37, .	2.3	77
26	Development of a Cell-Based Assay for Measuring Base Excision Repair Responses. Scientific Reports, 2017, 7, 13007.	3.3	10
27	Systematic analysis of DNA crosslink repair pathways during development and aging in <i>Caenorhabditis elegans</i> . Nucleic Acids Research, 2017, 45, 9467-9480.	14.5	22
28	Cockayne syndrome group A and B proteins converge on transcription-linked resolution of non-B DNA. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12502-12507.	7.1	72
29	Inhibitors of the apurinic/apyrimidinic endonuclease 1 (APE1)/nucleophosmin (NPM1) interaction that display anti-tumor properties. Molecular Carcinogenesis, 2016, 55, 688-704.	2.7	56
30	Elements That Regulate the DNA Damage Response of Proteins Defective in Cockayne Syndrome. Journal of Molecular Biology, 2016, 428, 62-78.	4.2	21
31	Serum APE1 as a predictive marker for platinum-based chemotherapy of non-small cell lung cancer patients. Oncotarget, 2016, 7, 77482-77494.	1.8	33
32	CSB interacts with SNM1A and promotes DNA interstrand crosslink processing. Nucleic Acids Research, 2015, 43, 247-258.	14.5	48
33	DNA polymerase δ deficiency leads to neurodegeneration and exacerbates Alzheimer disease phenotypes. Nucleic Acids Research, 2015, 43, 943-959.	14.5	110
34	Partial loss of the DNA repair scaffolding protein, Xrcc1 , results in increased brain damage and reduced recovery from ischemic stroke in mice. Neurobiology of Aging, 2015, 36, 2319-2330.	3.1	17
35	Reduced Nuclease Activity of Apurinic/Apyrimidinic Endonuclease (APE1) Variants on Nucleosomes. Journal of Biological Chemistry, 2015, 290, 21067-21075.	3.4	36
36	Protecting the mitochondrial powerhouse. Trends in Cell Biology, 2015, 25, 158-170.	7.9	260

#	ARTICLE	IF	CITATIONS
37	Altered Endoribonuclease Activity of Apurinic/Apyrimidinic Endonuclease 1 Variants Identified in the Human Population. PLoS ONE, 2014, 9, e90837.	2.5	9
38	Base excision repair capacity in informing healthspan. Carcinogenesis, 2014, 35, 2643-2652.	2.8	38
39	Nucleophosmin modulates stability, activity, and nucleolar accumulation of base excision repair proteins. Molecular Biology of the Cell, 2014, 25, 1641-1652.	2.1	62
40	Human Apurinic/Apyrimidinic Endonuclease 1. Antioxidants and Redox Signaling, 2014, 20, 678-707.	5.4	211
41	A High-Fat Diet and NAD + Activate Sirt1 to Rescue Premature Aging in Cockayne Syndrome. Cell Metabolism, 2014, 20, 840-855.	16.2	306
42	APE1 Incision Activity at Abasic Sites in Tandem Repeat Sequences. Journal of Molecular Biology, 2014, 426, 2183-2198.	4.2	22
43	Genomic and protein expression analysis reveals flap endonuclease 1 (FEN1) as a key biomarker in breast and ovarian cancer. Molecular Oncology, 2014, 8, 1326-1338.	4.6	109
44	Targeting human apurinic/aprimidinic endonuclease 1 (APE1) in phosphatase and tensin homolog (PTEN) deficient melanoma cells for personalized therapy. Oncotarget, 2014, 5, 3273-3286.	1.8	47
45	DNA repair mechanisms in dividing and non-dividing cells. DNA Repair, 2013, 12, 620-636.	2.8	560
46	Special Issue on the segmental progeria Cockayne syndrome. Mechanisms of Ageing and Development, 2013, 134, 159-160.	4.6	7
47	Modulation of DNA base excision repair during neuronal differentiation. Neurobiology of Aging, 2013, 34, 1717-1727.	3.1	52
48	Base excision repair in the mammalian brain: Implication for age related neurodegeneration. Mechanisms of Ageing and Development, 2013, 134, 440-448.	4.6	50
49	NEIL1 Responds and Binds to Psoralen-induced DNA Interstrand Crosslinks. Journal of Biological Chemistry, 2013, 288, 12426-12436.	3.4	23
50	Identification and Quantification of DNA Repair Protein Apurinic/Apyrimidinic Endonuclease 1 (APE1) in Human Cells by Liquid Chromatography/Isotope-Dilution Tandem Mass Spectrometry. PLoS ONE, 2013, 8, e69894.	2.5	22
51	Functional Assessment of Population and Tumor-Associated APE1 Protein Variants. PLoS ONE, 2013, 8, e65922.	2.5	30
52	Neil1 is a genetic modifier of somatic and germline CAG trinucleotide repeat instability in R6/1 mice. Human Molecular Genetics, 2012, 21, 4939-4947.	2.9	66
53	Cockayne syndrome group B protein prevents the accumulation of damaged mitochondria by promoting mitochondrial autophagy. Journal of Experimental Medicine, 2012, 209, 855-869.	8.5	177
54	Base Excision Repair: Contribution to Tumorigenesis and Target in Anticancer Treatment Paradigms. Current Medicinal Chemistry, 2012, 19, 3922-3936.	2.4	40

#	ARTICLE	IF	CITATIONS
55	The Interaction between Polynucleotide Kinase Phosphatase and the DNA Repair Protein XRCC1 Is Critical for Repair of DNA Alkylation Damage and Stable Association at DNA Damage Sites. <i>Journal of Biological Chemistry</i> , 2012, 287, 39233-39244.	3.4	29
56	Human RECQL5 participates in the removal of endogenous DNA damage. <i>Molecular Biology of the Cell</i> , 2012, 23, 4273-4285.	2.1	28
57	Human Cockayne syndrome B protein reciprocally communicates with mitochondrial proteins and promotes transcriptional elongation. <i>Nucleic Acids Research</i> , 2012, 40, 8392-8405.	14.5	56
58	The Nucleotide Sequence, DNA Damage Location, and Protein Stoichiometry Influence the Base Excision Repair Outcome at CAG/CTG Repeats. <i>Biochemistry</i> , 2012, 51, 3919-3932.	2.5	36
59	Pathways for repairing and tolerating the spectrum of oxidative DNA lesions. <i>Cancer Letters</i> , 2012, 327, 61-72.	7.2	118
60	Impact of DNA polymorphisms in key DNA base excision repair proteins on cancer risk. <i>Human and Experimental Toxicology</i> , 2012, 31, 981-1005.	2.2	106
61	Overview of Base Excision Repair Biochemistry. <i>Current Molecular Pharmacology</i> , 2012, 5, 3-13.	1.5	253
62	Synthesis, Biological Evaluation, and Structure-Activity Relationships of a Novel Class of Apurinic/Apyrimidinic Endonuclease 1 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 3101-3112.	6.4	99
63	Synthetic lethal targeting of DNA double-strand break repair deficient cells by human apurinic/aprimidinic endonuclease inhibitors. <i>International Journal of Cancer</i> , 2012, 131, 2433-2444.	5.1	79
64	The region of XRCC1 which harbours the three most common nonsynonymous polymorphic variants, is essential for the scaffolding function of XRCC1. <i>DNA Repair</i> , 2012, 11, 357-366.	2.8	34
65	Repair of persistent strand breaks in the mitochondrial genome. <i>Mechanisms of Ageing and Development</i> , 2012, 133, 169-175.	4.6	57
66	Diverse Small Molecule Inhibitors of Human Apurinic/Apyrimidinic Endonuclease APE1 Identified from a Screen of a Large Public Collection. <i>PLoS ONE</i> , 2012, 7, e47974.	2.5	28
67	Cockayne syndrome group B protein prevents the accumulation of damaged mitochondria by promoting mitochondrial autophagy. <i>Journal of Cell Biology</i> , 2012, 197, i4-i4.	5.2	0
68	Characterization of the Endoribonuclease Active Site of Human Apurinic/Apyrimidinic Endonuclease 1. <i>Journal of Molecular Biology</i> , 2011, 411, 960-971.	4.2	44
69	S-Glutathionylation of Cysteine 99 in the APE1 Protein Impairs Abasic Endonuclease Activity. <i>Journal of Molecular Biology</i> , 2011, 414, 313-326.	4.2	28
70	Uracil residues dependent on the deaminase AID in immunoglobulin gene variable and switch regions. <i>Nature Immunology</i> , 2011, 12, 70-76.	14.5	106
71	Development and evaluation of human AP endonuclease inhibitors in melanoma and glioma cell lines. <i>British Journal of Cancer</i> , 2011, 104, 653-663.	6.4	63
72	Variation in base excision repair capacity. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 711, 100-112.	1.0	104

#	ARTICLE	IF	CITATIONS
73	The excitatory neurotransmitter glutamate stimulates DNA repair to increase neuronal resiliency. Mechanisms of Ageing and Development, 2011, 132, 405-411.	4.6	65
74	XRCC1 coordinates disparate responses and multiprotein repair complexes depending on the nature and context of the DNA damage. Environmental and Molecular Mutagenesis, 2011, 52, 623-635.	2.2	56
75	XRCC1 haploinsufficiency in mice has little effect on aging, but adversely modifies exposure-dependent susceptibility. Nucleic Acids Research, 2011, 39, 7992-8004.	14.5	25
76	XRCC1 suppresses somatic hypermutation and promotes alternative nonhomologous end joining in <i>IGH</i> genes. Journal of Experimental Medicine, 2011, 208, 2209-2216.	8.5	51
77	Aprataxin localizes to mitochondria and preserves mitochondrial function. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7437-7442.	7.1	76
78	Complementary non-radioactive assays for investigation of human flap endonuclease 1 activity. Nucleic Acids Research, 2011, 39, e11-e11.	14.5	43
79	Lucanthone and Its Derivative Hycanthone Inhibit Apurinic Endonuclease-1 (APE1) by Direct Protein Binding. PLoS ONE, 2011, 6, e23679.	2.5	45
80	XRCC1 suppresses somatic hypermutation and promotes alternative nonhomologous end joining in <i>IGH</i> genes. Journal of Cell Biology, 2011, 195, i2-i2.	5.2	0
81	A BANFF CV2 LESION IN A PRE-IMPLANTATION BIOPSY IS THE BEST PREDICTOR OF DELAYED GRAFT FUNCTION FOLLOWING RENAL TRANSPLANTATION.. Transplantation, 2010, 90, 83.	1.0	0
82	Targeting DNA repair proteins for cancer treatment. Cellular and Molecular Life Sciences, 2010, 67, 3569-3572.	5.4	25
83	Small molecule inhibitors of DNA repair nuclease activities of APE1. Cellular and Molecular Life Sciences, 2010, 67, 3621-3631.	5.4	88
84	A novel link to base excision repair?. Trends in Biochemical Sciences, 2010, 35, 247-252.	7.5	18
85	Direct interaction between XRCC1 and UNG2 facilitates rapid repair of uracil in DNA by XRCC1 complexes. DNA Repair, 2010, 9, 785-795.	2.8	51
86	The mitochondrial genome: Dynamics, mechanisms of repair, and a target in disease and therapy. Environmental and Molecular Mutagenesis, 2010, 51, 349-351.	2.2	1
87	Functional capacity of XRCC1 protein variants identified in DNA repair-deficient Chinese hamster ovary cell lines and the human population. Nucleic Acids Research, 2010, 38, 5023-5035.	14.5	42
88	Cockayne syndrome group B protein promotes mitochondrial DNA stability by supporting the DNA repair association with the mitochondrial membrane. FASEB Journal, 2010, 24, 2334-2346.	0.5	124
89	Intrusion of a DNA Repair Protein in the RNome World: Is This the Beginning of a New Era?. Molecular and Cellular Biology, 2010, 30, 366-371.	2.3	82
90	Identification and Characterization of Inhibitors of Human Apurinic/apyrimidinic Endonuclease APE1. PLoS ONE, 2009, 4, e5740.	2.5	100

#	ARTICLE	IF	CITATIONS
91	Direct and indirect roles of RECQL4 in modulating base excision repair capacity. Human Molecular Genetics, 2009, 18, 3470-3483.	2.9	75
92	Impairment of APE1 Function Enhances Cellular Sensitivity to Clinically Relevant Alkylators and Antimetabolites. Molecular Cancer Research, 2009, 7, 897-906.	3.4	73
93	Stoichiometry of Base Excision Repair Proteins Correlates with Increased Somatic CAG Instability in Striatum over Cerebellum in Huntington's Disease Transgenic Mice. PLoS Genetics, 2009, 5, e1000749.	3.5	124
94	A real-time fluorescence method for enzymatic characterization of specialized human DNA polymerases. Nucleic Acids Research, 2009, 37, e128-e128.	14.5	53
95	Participation of DNA repair in the response to 5-fluorouracil. Cellular and Molecular Life Sciences, 2009, 66, 788-799.	5.4	200
96	Nucleic Acid Binding Activity of Human Cockayne Syndrome B Protein and Identification of Ca as a Novel Metal Cofactor. Journal of Molecular Biology, 2009, 391, 820-832.	4.2	14
97	The Involvement of DNA-Damage and -Repair Defects in Neurological Dysfunction. American Journal of Human Genetics, 2008, 82, 539-566.	6.2	72
98	Mitochondrial DNA, base excision repair and neurodegeneration. DNA Repair, 2008, 7, 1098-1109.	2.8	89
99	DNA damage, DNA repair, ageing and age-related disease. Mechanisms of Ageing and Development, 2008, 129, 349-352.	4.6	51
100	Characterization of Mg ²⁺ Binding to the DNA Repair Protein Apurinic/Apyrimidic Endonuclease 1 via Solid-State 25Mg NMR Spectroscopy. Journal of the American Chemical Society, 2008, 130, 9332-9341.	13.7	62
101	Characterization of Abasic Endonuclease Activity of Human Ape1 on Alternative Substrates, as Well as Effects of ATP and Sequence Context on AP Site Incision. Journal of Molecular Biology, 2008, 379, 17-27.	4.2	106
102	XRCC1 protects against the lethality of induced oxidative DNA damage in nondividing neural cells. Nucleic Acids Research, 2008, 36, 5111-5121.	14.5	31
103	Human abasic endonuclease action on multilesion abasic clusters: implications for radiation-induced biological damage. Nucleic Acids Research, 2008, 36, 2717-2727.	14.5	46
104	Removal of Oxidative DNA Damage via FEN1-Dependent Long-Patch Base Excision Repair in Human Cell Mitochondria. Molecular and Cellular Biology, 2008, 28, 4975-4987.	2.3	192
105	Cockayne syndrome B protein stimulates apurinic endonuclease 1 activity and protects against agents that introduce base excision repair intermediates. Nucleic Acids Research, 2007, 35, 4103-4113.	14.5	104
106	A Dominant-Negative Form of the Major Human Abasic Endonuclease Enhances Cellular Sensitivity to Laboratory and Clinical DNA-Damaging Agents. Molecular Cancer Research, 2007, 5, 61-70.	3.4	90
107	Base excision repair and the central nervous system. Neuroscience, 2007, 145, 1187-1200.	2.3	63
108	XRCC1 down-regulation in human cells leads to DNA-damaging agent hypersensitivity, elevated sister chromatid exchange, and reduced survival of BRCA2 mutant cells. Environmental and Molecular Mutagenesis, 2007, 48, 491-500.	2.2	34

#	ARTICLE	IF	CITATIONS
109	Processing of nonconventional DNA strand break ends. Environmental and Molecular Mutagenesis, 2007, 48, 772-782.	2.2	29
110	Lead promotes abasic site accumulation and co-mutagenesis in mammalian cells by inhibiting the major abasic endonuclease Ape1. Molecular Carcinogenesis, 2007, 46, 91-99.	2.7	19
111	Neurodegeneration: Nicked to Death. Current Biology, 2007, 17, R55-R58.	3.9	12
112	The mechanics of base excision repair, and its relationship to aging and disease. DNA Repair, 2007, 6, 544-559.	2.8	280
113	WRN exonuclease activity is blocked by DNA termini harboring 3' obstructive groups. Mechanisms of Ageing and Development, 2007, 128, 259-266.	4.6	29
114	Molecular mechanisms of sister-chromatid exchange. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2007, 616, 11-23.	1.0	228
115	Estimating the Effect of Human Base Excision Repair Protein Variants on the Repair of Oxidative DNA Base Damage. Cancer Epidemiology Biomarkers and Prevention, 2006, 15, 1000-1008.	2.5	27
116	The Werner syndrome protein operates in base excision repair and cooperates with DNA polymerase β . Nucleic Acids Research, 2006, 34, 745-754.	14.5	228
117	Telomere Repeat Binding Factor 2 Interacts with Base Excision Repair Proteins and Stimulates DNA Synthesis by DNA Polymerase β . Cancer Research, 2006, 66, 113-124.	0.9	56
118	Nucleotide Sequence and DNA Secondary Structure, as Well as Replication Protein A, Modulate the Single-stranded Abasic Endonuclease Activity of APE1. Journal of Biological Chemistry, 2006, 281, 3889-3898.	3.4	33
119	Protein-protein interactions and posttranslational modifications in mammalian base excision repair. Free Radical Biology and Medicine, 2005, 38, 1121-1138.	2.9	126
120	XRCC1 and DNA polymerase β interaction contributes to cellular alkylating-agent resistance and single-strand break repair. Journal of Cellular Biochemistry, 2005, 95, 794-804.	2.6	59
121	Oxidative damage in telomeric DNA disrupts recognition by TRF1 and TRF2. Nucleic Acids Research, 2005, 33, 1230-1239.	14.5	237
122	DNA Damage Levels and Biochemical Repair Capacities Associated with XRCC1 Deficiency. Biochemistry, 2005, 44, 14335-14343.	2.5	36
123	Ape1 Abasic Endonuclease Activity is Regulated by Magnesium and Potassium Concentrations and is Robust on Alternative DNA Structures. Journal of Molecular Biology, 2005, 345, 1003-1014.	4.2	49
124	Effect of Protein Binding on Ultrafast DNA Dynamics: Characterization of a DNA:APE1 Complex. Biophysical Journal, 2005, 89, 4129-4138.	0.5	32
125	Inhibition of Ape1 nuclease activity by lead, iron, and cadmium.. Environmental Health Perspectives, 2004, 112, 799-804.	6.0	98
126	DNA base excision repair activities and pathway function in mitochondrial and cellular lysates from cells lacking mitochondrial DNA. Nucleic Acids Research, 2004, 32, 2181-2192.	14.5	53

#	ARTICLE	IF	CITATIONS
127	XRCC1 co-localizes and physically interacts with PCNA. Nucleic Acids Research, 2004, 32, 2193-2201.	14.5	172
128	Processing of bistranded abasic DNA clusters in γ -irradiated human hematopoietic cells. Nucleic Acids Research, 2004, 32, 5609-5620.	14.5	127
129	Regulation of WRN Helicase Activity in Human Base Excision Repair. Journal of Biological Chemistry, 2004, 279, 53465-53474.	3.4	75
130	Werner syndrome protein 1367 variants and disposition towards coronary artery disease in Caucasian patients. Mechanisms of Ageing and Development, 2004, 125, 491-496.	4.6	27
131	Oxidative DNA damage background estimated by a system model of base excision repair. Free Radical Biology and Medicine, 2004, 37, 422-427.	2.9	22
132	Human AP endonuclease (APE1) demonstrates endonucleolytic activity against AP sites in single-stranded DNA. DNA Repair, 2004, 3, 527-533.	2.8	69
133	Challenges and complexities in estimating both the functional impact and the disease risk associated with the extensive genetic variation in human DNA repair genes. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2003, 526, 93-125.	1.0	179
134	Investigation of the Role of the Histidine-Aspartate Pair in the Human Exonuclease III-like Abasic Endonuclease, Ape1. Journal of Molecular Biology, 2003, 329, 311-322.	4.2	35
135	Properties of and Substrate Determinants for the Exonuclease Activity of Human Apurinic Endonuclease Ape1. Journal of Molecular Biology, 2003, 330, 1027-1037.	4.2	89
136	Identification of the human HEX1/hExo1 gene promoter and characterization of elements responsible for promoter activity. DNA Repair, 2003, 2, 187-198.	2.8	4
137	Complementary functions of the Saccharomyces cerevisiae Rad2 family nucleases in Okazaki fragment maturation, mutation avoidance, and chromosome stability. DNA Repair, 2003, 2, 925-940.	2.8	25
138	Repair mechanisms for oxidative DNA damage. Frontiers in Bioscience - Landmark, 2003, 8, d963-981.	3.0	117
139	Disparity between DNA base excision repair in yeast and mammals: translational implications. Cancer Research, 2003, 63, 549-54.	0.9	33
140	Molecular interactions of human Exo1 with DNA. Nucleic Acids Research, 2002, 30, 942-949.	14.5	61
141	A quantitative model of human DNA base excision repair. I. mechanistic insights. Nucleic Acids Research, 2002, 30, 1817-1825.	14.5	71
142	Determinants in nuclease specificity of ape1 and ape2, human homologues of Escherichia coli exonuclease III. Journal of Molecular Biology, 2002, 316, 853-866.	4.2	122
143	Two divalent metal ions in the active site of a new crystal form of human apurinic/apyrimidinic endonuclease, ape1: implications for the catalytic mechanism 1 Edited by I. A. Wilson. Journal of Molecular Biology, 2001, 307, 1023-1034.	4.2	173
144	The major human abasic endonuclease: formation, consequences and repair of abasic lesions in DNA. Mutation Research DNA Repair, 2001, 485, 283-307.	3.7	349

#	ARTICLE	IF	CITATIONS
145	The Human Interferon- and Estrogen-Regulated <i>ISG20/HEM45</i> Gene Product Degrades Single-Stranded RNA and DNA in Vitro. <i>Biochemistry</i> , 2001, 40, 7174-7179.	2.5	90
146	Second human protein with homology to the <i>Escherichia coli</i> abasic endonuclease exonuclease III. <i>Environmental and Molecular Mutagenesis</i> , 2000, 36, 312-324.	2.2	104
147	Genomic Structure and Characterization of the <i>Drosophila</i> S3 Ribosomal/DNA Repair Gene and Mutant Alleles. <i>DNA and Cell Biology</i> , 2000, 19, 149-156.	1.9	8
148	Functional characterization of Ape1 variants identified in the human population. <i>Nucleic Acids Research</i> , 2000, 28, 3871-3879.	14.5	207
149	New insights into the structure of abasic DNA from molecular dynamics simulations. <i>Nucleic Acids Research</i> , 2000, 28, 2613-2626.	14.5	62
150	The Human Homolog of <i>Escherichia coli</i> Orn Degrades Small Single-stranded RNA and DNA Oligomers. <i>Journal of Biological Chemistry</i> , 2000, 275, 25900-25906.	3.4	44
151	Mapping the protein-DNA interface and the metal-binding site of the major human apurinic/apyrimidinic endonuclease. <i>Journal of Molecular Biology</i> , 2000, 298, 447-459.	4.2	59
152	Identification of factors interacting with hMSH2 in the fetal liver utilizing the yeast two-hybrid system. <i>Mutation Research DNA Repair</i> , 2000, 460, 41-52.	3.7	38
153	Second human protein with homology to the <i>Escherichia coli</i> abasic endonuclease exonuclease III. <i>Environmental and Molecular Mutagenesis</i> , 2000, 36, 312-324.	2.2	3
154	Improved Immunodetection of Nuclear Antigens After Sodium Dodecyl Sulfate Treatment of Formaldehyde-fixed Cells. <i>Journal of Histochemistry and Cytochemistry</i> , 1999, 47, 1095-1100.	2.5	24
155	Expression specificity of the mouse exonuclease 1 (mExo1) gene. <i>Nucleic Acids Research</i> , 1999, 27, 4114-4120.	14.5	25
156	The RAD2 Domain of Human Exonuclease 1 Exhibits 5' to 3' Exonuclease and Flap Structure-specific Endonuclease Activities. <i>Journal of Biological Chemistry</i> , 1999, 274, 37763-37769.	3.4	160
157	Effects of Ape1 overexpression on cellular resistance to DNA-damaging and anticancer agents. <i>Somatic Cell and Molecular Genetics</i> , 1999, 25, 253-262.	0.7	11
158	Removal by human apurinic/apyrimidinic endonuclease 1 (Ape 1) and <i>Escherichia coli</i> exonuclease III of 3'-phosphoglycolates from DNA treated with neocarzinostatin, calicheamicin, and ¹³ I-radiation. <i>Biochemical Pharmacology</i> , 1999, 57, 531-538.	4.4	46
159	The role of Mg ²⁺ and specific amino acid residues in the catalytic reaction of the major human abasic endonuclease: new insights from EDTA-resistant incision of acyclic abasic site analogs and site-directed mutagenesis. <i>Journal of Molecular Biology</i> , 1999, 290, 447-457.	4.2	113
160	Hex1: a new human Rad2 nuclease family member with homology to yeast exonuclease 1. <i>Nucleic Acids Research</i> , 1998, 26, 3762-3768.	14.5	105
161	Elements in abasic site recognition by the major human and <i>Escherichia coli</i> apurinic/apyrimidinic endonucleases. <i>Nucleic Acids Research</i> , 1998, 26, 2771-2778.	14.5	96
162	3'-Phosphodiesterase activity of human apurinic/apyrimidinic endonuclease at DNA double-strand break ends. <i>Nucleic Acids Research</i> , 1997, 25, 2495-2500.	14.5	160

#	ARTICLE	IF	CITATIONS
163	Abasic Site Binding by the Human Apurinic Endonuclease, Ape, and Determination of the DNA Contact Sites. Nucleic Acids Research, 1997, 25, 933-939.	14.5	95
164	Interaction of human apurinic endonuclease and DNA polymerase β in the base excision repair pathway. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 7166-7169.	7.1	344
165	Regulation of Eukaryotic Abasic Endonucleases and Their Role in Genetic Stability. Environmental Health Perspectives, 1997, 105, 931.	6.0	3
166	Comparison of the promoters of the mouse (APEX) and human (APE) apurinic endonuclease genes. Mutation Research DNA Repair, 1997, 385, 159-172.	3.7	17
167	Regulation of eukaryotic abasic endonucleases and their role in genetic stability.. Environmental Health Perspectives, 1997, 105, 931-934.	6.0	24
168	Life without DNA repair. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 12754-12757.	7.1	219
169	Characterization of the Promoter Region of the Human Apurinic Endonuclease Gene (APE). Journal of Biological Chemistry, 1995, 270, 5556-5564.	3.4	29
170	Trans-complementation by human apurinic endonuclease (Ape) of hypersensitivity to DNA damage and spontaneous mutator phenotype in apn 1-yeast. Nucleic Acids Research, 1995, 23, 5027-5033.	14.5	39
171	Incision Activity of Human Apurinic Endonuclease (Ape) at Abasic Site Analogs in DNA. Journal of Biological Chemistry, 1995, 270, 16002-16007.	3.4	252
172	Acute Ethanol Exposure Suppresses the Repair of O6-Methylguanine DNA Lesions in Castrated Adult Male Rats. Alcoholism: Clinical and Experimental Research, 1994, 18, 1267-1271.	2.4	26
173	Cloning of the Drosophila ribosomal protein S3: another multifunctional ribosomal protein with AP endonuclease DNA repair activity. Nucleic Acids Research, 1993, 21, 2516-2516.	14.5	51
174	Prolactin message in brain and pituitary of adult male rats is identical: PCR cloning and sequencing of hypothalamic prolactin cDNA from intact and hypophysectomized adult male rats.. Endocrinology, 1992, 131, 2488-2490.	2.8	36