Magnar BjÃ¸rÃ¥s

List of Publications by Year
in descending order

173 papers	10,898 citations	47 h-index	99 g-index
		47006	33894
192 all docs	192 docs citations	192 times ranked	13094 citing authors

#	Article	IF	Citations
1	Insight into ALKBH8-related intellectual developmental disability based on the first pathogenic missense variant. Human Genetics, 2022, 141, 209-215.	3.8	7
2	NEIL3-deficient bone marrow displays decreased hematopoietic capacity and reduced telomere length. Biochemistry and Biophysics Reports, 2022, 29, 101211.	1.3	2
3	abc4pwm: affinity based clustering for position weight matrices in applications of DNA sequence analysis. BMC Bioinformatics, 2022, 23, 83.	2.6	1
4	Epitranscriptome in Ischemic Cardiovascular Disease: Potential Target for Therapies. Stroke, 2022, 53, 2114-2122.	2.0	1
5	Mono- and combinational drug therapies for global viral pandemic preparedness. IScience, 2022, 25, 104112.	4.1	19
6	DrugVirus.info 2.0: an integrative data portal for broad-spectrum antivirals (BSA) and BSA-containing drug combinations (BCCs). Nucleic Acids Research, 2022, 50, W272-W275.	14.5	15
7	Loss of Mediator complex subunit 13 (MED13) promotes resistance to alkylation through cyclin D1 upregulation. Nucleic Acids Research, 2021, 49, 1470-1484.	14.5	1
8	Epitope-resolved profiling of the SARS-CoV-2 antibody response identifies cross-reactivity with endemic human coronaviruses. Cell Reports Medicine, 2021, 2, 100189.	6.5	149
9	Synthesis and antimicrobial activities of chitosan/polypropylene carbonate-based nanoparticles. RSC Advances, 2021, 11, 10121-10129.	3.6	8
10	Increased p53 signaling impairs neural differentiation in HUWE1-promoted intellectual disabilities. Cell Reports Medicine, 2021, 2, 100240.	6.5	5
11	Screening of FDA-Approved Drugs Using a MERS-CoV Clinical Isolate from South Korea Identifies Potential Therapeutic Options for COVID-19. Viruses, 2021, 13, 651.	3.3	50
12	DNA glycosylase Neil3 regulates vascular smooth muscle cell biology during atherosclerosis development. Atherosclerosis, 2021, 324, 123-132.	0.8	11
13	ALKBH3 partner ASCC3 mediates P-body formation and selective clearance of MMS-induced 1-methyladenosine and 3-methylcytosine from mRNA. Journal of Translational Medicine, 2021, 19, 287.	4.4	13
14	Non-flipping DNA glycosylase AlkD scans DNA without formation of a stable interrogation complex. Communications Biology, 2021, 4, 876.	4.4	0
15	Active Components of Commonly Prescribed Medicines Affect Influenza A Virusâ€“Host Cell Interaction: A Pilot Study. Viruses, 2021, 13, 1537.	3.3	3
16	Nafamostatâ€“Interferon-Î± Combination Suppresses SARS-CoV-2 Infection In Vitro and In Vivo by Cooperatively Targeting Host TMPRSS2. Viruses, 2021, 13, 1768.	3.3	15
17	Antimicrobial resistance: A challenge awaiting the post-COVID-19 era. International Journal of Infectious Diseases, 2021, 111, 322-325.	3.3	34
18	NEIL3-deficiency increases gut permeability and contributes to a pro-atherogenic metabolic phenotype. Scientific Reports, 2021, 11, 19749.	3.3	4

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19	Impact of Oxidative DNA Damage and the Role of DNA Glycosylases in Neurological Dysfunction. International Journal of Molecular Sciences, 2021, 22, 12924.	4.1	5
20	NEIL1 and NEIL2 DNA glycosylases modulate anxiety and learning in a cooperative manner in mice. Communications Biology, 2021, 4, 1354.	4.4	8
21	DNA repair enzyme NEIL3 enables a stable neural representation of space by shaping transcription in hippocampal neurons. IScience, 2021, 24, 103470.	4.1	6
22	Synergistic Interferon-Alpha-Based Combinations for Treatment of SARS-CoV-2 and Other Viral Infections. Viruses, 2021, 13, 2489.	3.3	20
23	Histone Methylations Define Neural Stem/Progenitor Cell Subtypes in the Mouse Subventricular Zone. Molecular Neurobiology, 2020, 57, 997-1008.	4.0	10
24	HMST-Seq-Analyzer: A new python tool for differential methylation and hydroxymethylation analysis in various DNA methylation sequencing data. Computational and Structural Biotechnology Journal, 2020, 18, 2877-2889.	4.1	4
25	PML Regulates the Epidermal Differentiation Complex and Skin Morphogenesis during Mouse Embryogenesis. Genes, 2020, 11, 1130.	2.4	0
26	N6-methyladenosine in RNA of atherosclerotic plaques: An epitranscriptomic signature of human carotid atherosclerosis. Biochemical and Biophysical Research Communications, 2020, 533, 631-637.	2.1	33
27	Antibiotic-induced DNA damage results in a controlled loss of pH homeostasis and genome instability. Scientific Reports, 2020, 10, 19422.	3.3	14
28	Identification and Tracking of Antiviral Drug Combinations. Viruses, 2020, 12, 1178.	3.3	48
29	Parp3 promotes astrocytic differentiation through a tight regulation of Nox4-induced ROS and mTorc2 activation. Cell Death and Disease, 2020, 11, 954.	6.3	17
30	Potential Antiviral Options against SARS-CoV-2 Infection. Viruses, 2020, 12, 642.	3.3	92
31	OXR1A, a Coactivator of PRMT5 Regulating Histone Arginine Methylation. Cell Reports, 2020, 30, 4165-4178.e7.	6.4	23
32	DNA glycosylase Neil2 contributes to genomic responses in the spleen during clinical prion disease. Free Radical Biology and Medicine, 2020, 152, 348-354.	2.9	4
33	IGAP-integrative genome analysis pipeline reveals new gene regulatory model associated with nonspecific TF-DNA binding affinity. Computational and Structural Biotechnology Journal, 2020, 18, 1270-1286.	4.1	1
34	Chemical, Physical and Biological Triggers of Evolutionary Conserved Bcl-xL-Mediated Apoptosis. Cancers, 2020, 12, 1694.	3.7	13
35	Discovery and development of safe-in-man broad-spectrum antiviral agents. International Journal of Infectious Diseases, 2020, 93, 268-276.	3.3	169
36	Deletion of Endonuclease V suppresses chemically induced hepatocellular carcinoma. Nucleic Acids Research, 2020, 48, 4463-4479.	14.5	9

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37	Peptides containing the PCNA interacting motif APIM bind to the Î²-clamp and inhibit bacterial growth and mutagenesis. Nucleic Acids Research, 2020, 48, 5540-5554.	14.5	20
38	Structural basis for substrate and product recognition in human phosphoglucomutase-1 (PGM1) isoform 2, a member of the Î±-d-phosphohexomutase superfamily. Scientific Reports, 2020, 10, 5656.	3.3	9
39	Genetic diversity and drug resistance pattern of Mycobacterium tuberculosis strains isolated from pulmonary tuberculosis patients in the Benishangul Gumuz region and its surroundings, Northwest Ethiopia. PLoS ONE, 2020, 15, e0231320.	2.5	11
40	Absence of NLRP3 Inflammasome in Hematopoietic Cells Reduces Adverse Remodeling After Experimental Myocardial Infarction. JACC Basic To Translational Science, 2020, 5, 1210-1224.	4.1	19
41	Title is missing!. , 2020, 15, e0231320.		0
42	Title is missing!. , 2020, 15, e0231320.		0
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44	Title is missing!. , 2020, 15, e0231320.		0
45	Title is missing!. , 2020, 15, e0231320.		0
46	Title is missing!. , 2020, 15, e0231320.		0
47	Title is missing!. , 2020, 15, e0231320.		0
48	Diverse functions of DNA glycosylases processing oxidative base lesions in brain. DNA Repair, 2019, 81, 102665.	2.8	10
49	Common Nodes of Virusâ€“Host Interaction Revealed Through an Integrated Network Analysis. Frontiers in Immunology, 2019, 10, 2186.	4.8	67
50	Complex alternative splicing of human Endonuclease V mRNA, but evidence for only a single protein isoform. PLoS ONE, 2019, 14, e0225081.	2.5	3
51	Novel Antiviral Activities of Obatoclax, Emetine, Niclosamide, Brequinar, and Homoharringtonine. Viruses, 2019, 11, 964.	3.3	68
52	Neuromodulatory Effect of NLRP3 and ASC in Neonatal Hypoxic Ischemic Encephalopathy. Neonatology, 2019, 115, 355-362.	2.0	24
53	Expanding the activity spectrum of antiviral agents. Drug Discovery Today, 2019, 24, 1224-1228.	6.4	31
54	The DNA modification N6-methyl-2â€™-deoxyadenosine (m6dA) drives activity-induced gene expression and is required for fear extinction. Nature Neuroscience, 2019, 22, 534-544.	14.8	51

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55	Alkyladenine DNA glycosylase associates with transcription elongation to coordinate DNA repair with gene expression. Nature Communications, 2019, 10, 5460.	12.8	28
56	Additive manufacturing of laminar flow cells for single-molecule experiments. Scientific Reports, 2019, 9, 16784.	3.3	4
57	Generation of a Mouse Model Lacking the Non-Homologous End-Joining Factor Mri/Cyren. Biomolecules, 2019, 9, 798.	4.0	14
58	Excision of the doubly methylated base N ⁴ ,5-dimethylcytosine from DNA by Escherichia coli Nei and Fpg proteins. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170337.	4.0	8
59	Novel activities of safe-in-human broad-spectrum antiviral agents. Antiviral Research, 2018, 154, 174-182.	4.1	64
60	Metabolism and DNA repair shape a specific modification pattern in mitochondrial DNA. Mitochondrion, 2018, 40, 16-28.	3.4	9
61	8-oxoguanine DNA glycosylase (Ogg1) controls hepatic gluconeogenesis. DNA Repair, 2018, 61, 56-62.	2.8	12
62	Breaking the speed limit with multimode fast scanning of DNA by Endonuclease V. Nature Communications, 2018, 9, 5381.	12.8	14
63	A transgenic minipig model of Huntington's disease shows early signs of behavioral and molecular pathologies. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	15
64	A Systems Approach to Study Immuno- and Neuro-Modulatory Properties of Antiviral Agents. Viruses, 2018, 10, 423.	3.3	10
65	Increased nuclear DNA damage precedes mitochondrial dysfunction in peripheral blood mononuclear cells from Huntingtonâ€™s disease patients. Scientific Reports, 2018, 8, 9817.	3.3	40
66	Neonatal Ogg1/Mutyh knockout mice have altered inflammatory gene response compared to wildtype mice in the brain and lung after hypoxia-reoxygenation. Journal of Perinatal Medicine, 2018, 47, 114-124.	1.4	4
67	Ythdf2-mediated m6A mRNA clearance modulates neural development in mice. Genome Biology, 2018, 19, 69.	8.8	216
68	NovelUCHL1mutations reveal new insights into ubiquitin processing. Human Molecular Genetics, 2017, 26, ddw391.	2.9	22
69	Glycosylated Chromogranin A in Heart Failure. Circulation: Heart Failure, 2017, 10, .	3.9	28
70	Exercise induces cerebral VEGF and angiogenesis via the lactate receptor HCAR1. Nature Communications, 2017, 8, 15557.	12.8	321
71	NEIL3-Dependent Regulation of Cardiac Fibroblast Proliferation Prevents Myocardial Rupture. Cell Reports, 2017, 18, 82-92.	6.4	45
72	Synthetic lethality between murine DNA repair factors XLF and DNA-PKcs is rescued by inactivation of Ku70. DNA Repair, 2017, 57, 133-138.	2.8	21

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73	Integrative whole-genome sequence analysis reveals roles of regulatory mutations in BCL6 and BCL2 in follicular lymphoma. Scientific Reports, 2017, 7, 7040.	3.3	18
74	Impaired oxidative stress response characterizes HUWE1-promoted X-linked intellectual disability. Scientific Reports, 2017, 7, 15050.	3.3	21
75	No cancer predisposition or increased spontaneous mutation frequencies in NEIL DNA glycosylases-deficient mice. Scientific Reports, 2017, 7, 4384.	3.3	37
76	Monitoring of the spatial and temporal dynamics of BER/SSBR pathway proteins, including MYH, UNG2, MPG, NTH1 and NEIL1-3, during DNA replication. Nucleic Acids Research, 2017, 45, 8291-8301.	14.5	25
77	Enhanced base excision repair capacity in carotid atherosclerosis may protect nuclear DNA but not mitochondrial DNA. Free Radical Biology and Medicine, 2016, 97, 386-397.	2.9	3
78	Neil3-dependent base excision repair regulates lipid metabolism and prevents atherosclerosis in Apoe-deficient mice. Scientific Reports, 2016, 6, 28337.	3.3	26
79	PML regulates neuroprotective innate immunity and neuroblast commitment in a hypoxicâ€“ischemic encephalopathy model. Cell Death and Disease, 2016, 7, e2320-e2320.	6.3	9
80	Neil3 induced neurogenesis protects against prion disease during the clinical phase. Scientific Reports, 2016, 6, 37844.	3.3	24
81	Broad histone H3K4me3 domains in mouse oocytes modulate maternal-to-zygotic transition. Nature, 2016, 537, 548-552.	27.8	484
82	Mutually exclusive RNA secondary structures regulate translation initiation of DinQ in Escherichia coli. Rna, 2016, 22, 1739-1749.	3.5	21
83	Regulation of Human Endonuclease V Activity and Relocalization to Cytoplasmic Stress Granules. Journal of Biological Chemistry, 2016, 291, 21786-21801.	3.4	8
84	Crystal structure and MD simulation of mouse EndoV reveal wedge motif plasticity in this inosine-specific endonuclease. Scientific Reports, 2016, 6, 24979.	3.3	9
85	Uracil-DNA Glycosylase UNG Promotes Tet-mediated DNA Demethylation. Journal of Biological Chemistry, 2016, 291, 731-738.	3.4	29
86	3CAPS â€“ a structural APâ€“site analogue as a tool to investigate DNA base excision repair. Nucleic Acids Research, 2016, 44, 2187-2198.	14.5	18
87	Efficient and Reliable Production of Vectors for the Study of the Repair, Mutagenesis, and Phenotypic Consequences of Defined DNA Damage Lesions in Mammalian Cells. PLoS ONE, 2016, 11, e0158581.	2.5	2
88	Susceptibility to infections, without concomitant hyper-IgE, reported in 1976, is caused by hypomorphic mutation in the phosphoglucomutase 3 (PGM3) gene. Clinical Immunology, 2015, 161, 366-372.	3.2	28
89	Transcriptome analysis of human OXR1 depleted cells reveals its role in regulating the p53 signaling pathway. Scientific Reports, 2015, 5, 17409.	3.3	43
90	Synergistic Actions of Ogg1 and Mutyh DNA Glycosylases Modulate Anxiety-like Behavior in Mice. Cell Reports, 2015, 13, 2671-2678.	6.4	39

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91	Genetic variants in the DNA repair gene NEIL3 and the risk of myocardial infarction in a nested caseâ€“control study. The HUNT Study. DNA Repair, 2015, 28, 21-27.	2.8	20
92	Secretoneurin Is a Novel Prognostic Cardiovascular Biomarker Associated With Cardiomyocyte Calcium Handling. Journal of the American College of Cardiology, 2015, 65, 339-351.	2.8	45
93	Development of DinQ from Escherichia coli as an anti-cell-envelope antibiotic. International Journal of Antimicrobial Agents, 2015, 45, 196-197.	2.5	3
94	Structural basis for incision at deaminated adenines in DNA and RNA by endonuclease V. Progress in Biophysics and Molecular Biology, 2015, 117, 134-142.	2.9	8
95	An in vitro Study of Protein Adsorption to Biocompatible Coatings. Studies in Health Technology and Informatics, 2015, 211, 166-71.	0.3	0
96	Addressing RNA Integrity to Determine the Impact of Mitochondrial DNA Mutations on Brain Mitochondrial Function with Age. PLoS ONE, 2014, 9, e96940.	2.5	5
97	Inosine in DNA and RNA. Current Opinion in Genetics and Development, 2014, 26, 116-123.	3.3	117
98	Dissection of the Neonatal Fc Receptor (FcRn)-Albumin Interface Using Mutagenesis and Anti-FcRn Albumin-blocking Antibodies. Journal of Biological Chemistry, 2014, 289, 17228-17239.	3.4	38
99	The distribution of DNA damage is defined by region-specific susceptibility to DNA damage formation rather than repair differences. DNA Repair, 2014, 18, 44-51.	2.8	13
100	Accelerated clinical course of prion disease in mice compromised in repair of oxidative DNA damage. Free Radical Biology and Medicine, 2014, 68, 1-7.	2.9	11
101	Human OXR1 maintains mitochondrial DNA integrity and counteracts hydrogen peroxide-induced oxidative stress by regulating antioxidant pathways involving p21. Free Radical Biology and Medicine, 2014, 77, 41-48.	2.9	64
102	Extending Serum Half-life of Albumin by Engineering Neonatal Fc Receptor (FcRn) Binding. Journal of Biological Chemistry, 2014, 289, 13492-13502.	3.4	132
103	Genome instability in Maple Syrup Urine Disease correlates with impaired mitochondrial biogenesis. Metabolism: Clinical and Experimental, 2014, 63, 1063-1070.	3.4	16
104	Cockayne Syndrome group B protein stimulates NEIL2 DNA glycosylase activity. Mechanisms of Ageing and Development, 2014, 135, 1-14.	4.6	39
105	PGM3 Mutations Cause a Congenital Disorder of Glycosylation with Severe Immunodeficiency and Skeletal Dysplasia. American Journal of Human Genetics, 2014, 95, 96-107.	6.2	148
106	Fumarylacetoacetate inhibits the initial step of the base excision repair pathway: implication for the pathogenesis of tyrosinemia type I. Journal of Inherited Metabolic Disease, 2013, 36, 773-778.	3.6	18
107	Sculpting of DNA at Abasic Sites by DNA Glycosylase Homolog Mag2. Structure, 2013, 21, 154-166.	3.3	8
108	Human NEIL3 is mainly a monofunctional DNA glycosylase removing spiroimindiohydantoin and guanidinohydantoin. DNA Repair, 2013, 12, 1159-1164.	2.8	80

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109	Loss of Neil3, the major DNA glycosylase activity for removal of hydantoins in single stranded DNA, reduces cellular proliferation and sensitizes cells to genotoxic stress. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1157-1164.	4.1	39
110	A new family of proteins related to the HEAT-like repeat DNA glycosylases with affinity for branched DNA structures. Journal of Structural Biology, 2013, 183, 66-75.	2.8	8
111	Base Excision Repair. Cold Spring Harbor Perspectives in Biology, 2013, 5, a012583-a012583.	5.5	908
112	Endonuclease V cleaves at inosines in RNA. Nature Communications, 2013, 4, 2271.	12.8	71
113	Ginsenoside Rd promotes glutamate clearance by up-regulating glial glutamate transporter GLT-1 via PI3K/AKT and ERK1/2 pathways. Frontiers in Pharmacology, 2013, 4, 152.	3.5	67
114	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
115	Oxygenation of the Newborn: A Molecular Approach. Neonatology, 2012, 101, 315-325.	2.0	70
116	AP endonuclease independent repair of abasic sites in Schizosaccharomyces pombe. Nucleic Acids Research, 2012, 40, 2000-2009.	14.5	29
117	Biochemical mapping of human NEIL1 DNA glycosylase and AP lyase activities. DNA Repair, 2012, 11, 766-773.	2.8	37
118	Silver nanoparticles induce premutagenic DNA oxidation that can be prevented by phytochemicals from Gentiana asclepiadea. Mutagenesis, 2012, 27, 759-769.	2.6	43
119	Hippocampal Adult Neurogenesis Is Maintained by Neil3-Dependent Repair of Oxidative DNA Lesions in Neural Progenitor Cells. Cell Reports, 2012, 2, 503-510.	6.4	84
120	Structure-based mutagenesis reveals the albumin-binding site of the neonatal Fc receptor. Nature Communications, 2012, 3, 610.	12.8	160
121	Lack of the DNA glycosylases MYH and OGG1 in the cancer prone double mutant mouse does not increase mitochondrial DNA mutagenesis. DNA Repair, 2012, 11, 278-285.	2.8	36
122	Release from quiescence stimulates the expression of human NEIL3 under the control of the Ras dependent ERKâ€“MAP kinase pathway. DNA Repair, 2012, 11, 401-409.	2.8	45
123	The Schizosaccharomyces pombe AlkB homolog Abh1 exhibits AP lyase activity but no demethylase activity. DNA Repair, 2012, 11, 453-462.	2.8	16
124	The Chromatin Remodeling Factor SMARCB1 Forms a Complex with Human Cytomegalovirus Proteins UL114 and UL44. PLoS ONE, 2012, 7, e34119.	2.5	14
125	A chemicalâ€genetic screen to unravel the genetic network of CDC28/CDK1 links ubiquitin and Rad6â€“Bre1 to cell cycle progression. FASEB Journal, 2012, 26, 590.1.	0.5	0
126	Separation-of-Function Mutants Unravel the Dual-Reaction Mode of Human 8-Oxoguanine DNA Glycosylase. Structure, 2011, 19, 117-127.	3.3	70

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127	The ada operon of Mycobacterium tuberculosis encodes two DNA methyltransferases for inducible repair of DNA alkylation damage. DNA Repair, 2011, 10, 595-602.	2.8	29
128	Endonuclease VIII-like 3 (Neil3) DNA glycosylase promotes neurogenesis induced by hypoxia-ischemia. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18802-18807.	7.1	83
129	Reduced expression of DNA glycosylases in post-hypoxic newborn pigs undergoing therapeutic hypothermia. Brain Research, 2010, 1363, 198-205.	2.2	7
130	Mitochondrial DNA Integrity Is Essential For Mitochondrial Maturation During Differentiation of Neural Stem Cells. Stem Cells, 2010, 28, 2195-2204.	3.2	228
131	Cause and consequences of genome instability in Huntington's Disease. FASEB Journal, 2010, 24, 411.3.	0.5	0
132	Catalytically impaired hMYH and NEIL1 mutant proteins identified in patients with primary sclerosing cholangitis and cholangiocarcinoma. Carcinogenesis, 2009, 30, 1147-1154.	2.8	43
133	Up-regulation of myocardial DNA base excision repair activities in experimental heart failure. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 666, 32-38.	1.0	12
134	Expression patterns of Neil3 during embryonic brain development and neoplasia. BMC Neuroscience, 2009, 10, 45.	1.9	66
135	Modulation of DNA glycosylase activities in mesenchymal stem cells. Experimental Cell Research, 2009, 315, 2558-2567.	2.6	6
136	Structures of endonuclease V with DNA reveal initiation of deaminated adenine repair. Nature Structural and Molecular Biology, 2009, 16, 138-143.	8.2	83
137	DNA base repair â€“ recognition and initiation of catalysis. FEMS Microbiology Reviews, 2009, 33, 1044-1078.	8.6	140
138	Expression and purification of NEIL3, a human DNA glycosylase homolog. Protein Expression and Purification, 2009, 65, 160-164.	1.3	23
139	Base excision repair activities in organotypic hippocampal slice cultures exposed to oxygen and glucose deprivation. DNA Repair, 2008, 7, 869-878.	2.8	11
140	Widespread distribution of DNA glycosylases removing oxidative DNA lesions in human and rodent brains. DNA Repair, 2008, 7, 1578-1588.	2.8	65
141	Dissection of the Molecular Defects Caused by Pathogenic Mutations in the DNA Repair Factor XPC. Molecular and Cellular Biology, 2008, 28, 7225-7235.	2.3	79
142	Structural insight into repair of alkylated DNA by a new superfamily of DNA glycosylases comprising HEAT-like repeats. Nucleic Acids Research, 2007, 35, 2451-2459.	14.5	27
143	Genetic Interactions of DNA Repair Pathways in the Pathogen Neisseria meningitidis. Journal of Bacteriology, 2007, 189, 5728-5737.	2.2	34
144	The capacity to remove 8-oxoG is enhanced in newborn neural stem/progenitor cells and decreases in juvenile mice and upon cell differentiation. DNA Repair, 2007, 6, 723-732.	2.8	20

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145	OGG1 initiates age-dependent CAG trinucleotide expansion in somatic cells. Nature, 2007, 447, 447-452.	27.8	392
146	Human NEIL1 localizes with the centrosomes and condensed chromosomes during mitosis. DNA Repair, 2007, 6, 1425-1433.	2.8	5
147	A new protein superfamily includes two novel 3-methyladenine DNA glycosylases fromBacillus cereus, AlkC and AlkD. Molecular Microbiology, 2006, 59, 1602-1609.	2.5	57
148	Human ABH3 structure and key residues for oxidative demethylation to reverse DNA/RNA damage. EMBO Journal, 2006, 25, 3389-3397.	7.8	157
149	New functions of XPC in the protection of human skin cells from oxidative damage. EMBO Journal, 2006, 25, 4305-4315.	7.8	227
150	Human cytomegalovirus infection modulates DNA base excision repair in fibroblast cells. Virology, 2006, 348, 389-397.	2.4	13
151	Impaired base excision repair and accumulation of oxidative base lesions in CD4+ T cells of HIV-infected patients. Blood, 2005, 105, 4730-4735.	1.4	49
152	Dynamic relocalization of hOGG1 during the cell cycle is disrupted in cells harbouring the hOGG1-Cys326 polymorphic variant. Nucleic Acids Research, 2005, 33, 1813-1824.	14.5	83
153	Product inhibition and magnesium modulate the dual reaction mode of hOgg1. DNA Repair, 2005, 4, 381-387.	2.8	39
154	A general role of the DNA glycosylase Nth1 in the abasic sites cleavage step of base excision repair in Schizosaccharomyces pombe. Nucleic Acids Research, 2004, 32, 5119-5125.	14.5	39
155	The Bacillus subtilis Counterpart of the Mammalian 3-Methyladenine DNA Glycosylase Has Hypoxanthine and 1,N6-Ethenoadenine as Preferred Substrates. Journal of Biological Chemistry, 2004, 279, 13601-13606.	3.4	24
156	Substrate specificities of bacterial and human AlkB proteins. Nucleic Acids Research, 2004, 32, 3456-3461.	14.5	104
157	A new Schizosaccharomyces pombe base excision repair mutant, nth1, reveals overlapping pathways for repair of DNA base damage. Molecular Microbiology, 2003, 48, 465-480.	2.5	34
158	Base excision repair activities required for yeast to attain a full chronological life span. Aging Cell, 2003, 2, 93-104.	6.7	42
159	Human and bacterial oxidative demethylases repair alkylation damage in both RNA and DNA. Nature, 2003, 421, 859-863.	27.8	558
160	Comparative analysis of 8-oxoG:C, 8-oxoG:A, A:C and C:C DNA repair in extracts from wild type or 8-oxoG DNA glycosylase deficient mammalian and bacterial cells. DNA Repair, 2003, 2, 707-718.	2.8	17
161	WRN Interacts Physically and Functionally with the Recombination Mediator Protein RAD52. Journal of Biological Chemistry, 2003, 278, 36476-36486.	3.4	105
162	Incision at hypoxanthine residues in DNA by a mammalian homologue of the Escherichia coli antimutator enzyme endonuclease V. Nucleic Acids Research, 2003, 31, 3893-3900.	14.5	58

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163	Limited repair of 8-hydroxy-7,8-dihydroguanine residues in human testicular cells. Nucleic Acids Research, 2003, 31, 1351-1363.	14.5	56
164	Human DNA glycosylases of the bacterial Fpg/MutM superfamily: an alternative pathway for the repair of 8-oxoguanine and other oxidation products in DNA. Nucleic Acids Research, 2002, 30, 4926-4936.	14.5	245
165	Human OGG1 undergoes serine phosphorylation and associates with the nuclear matrix and mitotic chromatin in vivo. Nucleic Acids Research, 2002, 30, 2349-2357.	14.5	75
166	Reciprocal â€œflippingâ€•underlies substrate recognition and catalytic activation by the human 8-oxo-guanine DNA glycosylase. Journal of Molecular Biology, 2002, 317, 171-177.	4.2	101
167	Cell-cycle regulation, intracellular sorting and induced overexpression of the human NTH1 DNA glycosylase involved in removal of formamidopyrimidine residues from DNA. Mutation Research DNA Repair, 2000, 460, 95-104.	3.7	68
168	The Saccharomyces cerevisiae Homologues of Endonuclease III from Escherichia coli, Ntg1 and Ntg2, Are Both Required for Efficient Repair of Spontaneous and Induced Oxidative DNA Damage in Yeast. Molecular and Cellular Biology, 1999, 19, 3779-3787.	2.3	144
169	Production, isolation and purification of bacteriocins expressed by two strains of Neisseria meningitidis. Apmis, 1998, 106, 1181-1187.	2.0	6
170	Inducible expression of the GLT-1 glutamate transporter in a CHO cell line selected for low endogenous glutamate uptake. FEBS Letters, 1998, 422, 339-342.	2.8	21
171	The base excision repair pathway. Trends in Biochemical Sciences, 1995, 20, 391-397.	7.5	492
172	Excision of 3-methylguanine from alkylated DNA by 3-methyladenine DNA glycosylase I ofEscherichia coli. Nucleic Acids Research, 1993, 21, 2045-2049.	14.5	86
173	Cloning and expression of a rat brain L-glutamate transporter. Nature, 1992, 360, 464-467.	27.8	1,197