Yusaku Nakabeppu

List of Publications by Year in descending order

276	17,963	13865 67	17592 121
papers	citations	h-index	g-index

297	297	297	14735
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deficiency of MTH1 and/or OGG1 increases the accumulation of 8-oxoguanine in the brain of the AppNL-G-F/NL-G-F knock-in mouse model of Alzheimerâ€™s disease, accompanied by accelerated microgliosis and reduced anxiety-like behavior. Neuroscience Research, 2022, 177, 118-134.	1.9	3
2	Mutyh deficiency downregulates mitochondrial fusion proteins and causes cardiac dysfunction via Î±-ketoglutaric acid reduction with oxidative stress. Free Radical Research, 2022, , 1-16.	3.3	1
3	Transcriptome Analysis in Hippocampus of Rats Prenatally Exposed to Valproic Acid and Effects of Intranasal Treatment of Oxytocin. Frontiers in Psychiatry, 2022, 13, 859198.	2.6	2
4	8-Oxoguanine DNA Glycosylase (OGG1) Deficiency Exacerbates Doxorubicin-Induced Cardiac Dysfunction. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-11.	4.0	1
5	Cisplatin-Mediated Upregulation of APE2 Binding to MYH9 Provokes Mitochondrial Fragmentation and Acute Kidney Injury. Cancer Research, 2021, 81, 713-723.	0.9	24
6	MUTYH is associated with hepatocarcinogenesis in a non-alcoholic steatohepatitis mouse model. Scientific Reports, 2021, 11, 3599.	3.3	5
7	MTH1 and OGG1 maintain a low level of 8-oxoguanine in Alzheimer's brain, and prevent the progression of Alzheimer's pathogenesis. Scientific Reports, 2021, 11, 5819.	3.3	18
8	Structure of the mammalian adenine DNA glycosylase MUTYH: insights into the base excision repair pathway and cancer. Nucleic Acids Research, 2021, 49, 7154-7163.	14.5	14
9	A highâ€fat diet exacerbates the Alzheimer's disease pathology in the hippocampus of the App^{NLâ^'F/NLâ^'F} knockâ€in mouse model. Aging Cell, 2021, 20, e13429.	6.7	19
10	Serum Anti-oligodendrocyte Autoantibodies in Patients With Multiple Sclerosis Detected by a Tissue-Based Immunofluorescence Assay. Frontiers in Neurology, 2021, 12, 681980.	2.4	3
11	APE2 Is a General Regulator of the ATR-Chk1 DNA Damage Response Pathway to Maintain Genome Integrity in Pancreatic Cancer Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 738502.	3.7	8
12	MUTYH Actively Contributes to Microglial Activation and Impaired Neurogenesis in the Pathogenesis of Alzheimerâ€™s Disease. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-30.	4.0	17
13	Oxidative Stress and Microglial Response in Retinitis Pigmentosa. International Journal of Molecular Sciences, 2020, 21, 7170.	4.1	29
14	PCBP1 and PCBP2 both bind heavily oxidized RNA but cause opposing outcomes, suppressing or increasing apoptosis under oxidative conditions. Journal of Biological Chemistry, 2020, 295, 12247-12261.	3.4	19
15	GNAO1organizes the cytoskeletal remodeling and firing of developing neurons. FASEB Journal, 2020, 34, 16601-16621.	0.5	14
16	MUTYH Deficiency Is Associated with Attenuated Pulmonary Fibrosis in a Bleomycin-Induced Model. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-14.	4.0	2
17	Mth1 deficiency provides longer survival upon intraperitoneal crocidolite injection in female mice. Free Radical Research, 2020, 54, 195-205.	3.3	5
18	OGG1 deficiency alters the intestinal microbiome and increases intestinal inflammation in a mouse model. PLoS ONE, 2020, 15, e0227501.	2.5	18

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19	Environmental aircraft noise aggravates oxidative DNA damage, granulocyte oxidative burst and nitrate resistance inOgg1^{â€“/â€“}mice. Free Radical Research, 2020, 54, 280-292.	3.3	12
20	Neural stem cellâ€“specific ITPA deficiency causes neural depolarization and epilepsy. JCI Insight, 2020, 5, .	5.0	5
21	Oxidative stress induces different tissue dependent effects on Mutyh-deficient mice. Free Radical Biology and Medicine, 2019, 143, 482-493.	2.9	11
22	Origins of Brain Insulin and Its Function. Advances in Experimental Medicine and Biology, 2019, 1128, 1-11.	1.6	11
23	Molecular Pathophysiology of Insulin Depletion, Mitochondrial Dysfunction, and Oxidative Stress in Alzheimerâ€™s Disease Brain. Advances in Experimental Medicine and Biology, 2019, 1128, 27-44.	1.6	18
24	8-Oxoguanine accumulation in aged female brain impairs neurogenesis in the dentate gyrus and major island of Calleja, causing sexually dimorphic phenotypes. Progress in Neurobiology, 2019, 180, 101613.	5.7	10
25	The Disease-modifying Drug Candidate, SAK3 Improves Cognitive Impairment and Inhibits Amyloid beta Deposition in App Knock-in Mice. Neuroscience, 2018, 377, 87-97.	2.3	22
26	Expression of CRYM in different rat organs during development and its decreased expression in degenerating pyramidal tracts in amyotrophic lateral sclerosis. Neuropathology, 2018, 38, 247-259.	1.2	7
27	Association of adipocyte enhancerâ€binding protein 1 with <scp>A</scp>lzheimer's disease pathology in human hippocampi. Brain Pathology, 2018, 28, 58-71.	4.1	28
28	An intronic single nucleotide polymorphism in the MUTYH gene is associated with increased risk for HCV-induced hepatocellular carcinoma. Free Radical Biology and Medicine, 2018, 129, 88-96.	2.9	9
29	A Novel Autoantibody against Plexin <scp>D</scp>1 in Patients with Neuropathic Pain. Annals of Neurology, 2018, 84, 208-224.	5.3	20
30	Molecular pathophysiology of impaired glucose metabolism, mitochondrial dysfunction, and oxidative DNA damage in Alzheimer's disease brain. Mechanisms of Ageing and Development, 2017, 161, 95-104.	4.6	105
31	Complexity of Stomachâ€“Brain Interaction Induced by Molecular Hydrogen in Parkinsonâ€™s Disease Model Mice. Neurochemical Research, 2017, 42, 2658-2665.	3.3	19
32	Celecoxib and 2,5â€dimethylcelecoxib inhibit intestinal cancer growth by suppressing the Wnt/Î²â€catenin signaling pathway. Cancer Science, 2017, 108, 108-115.	3.9	52
33	Prognostic impact of MutT homologâ€1 expression on esophageal squamous cell carcinoma. Cancer Medicine, 2017, 6, 258-266.	2.8	29
34	Co-regulation of Cxcl1 and versican in the inflammatory response to UVB induced reactive oxygen species in skin photo-tumorigenesis. Journal of Dermatological Science, 2017, 85, 140-143.	1.9	5
35	Structural and Kinetic Studies of the Human Nudix Hydrolase MTH1 Reveal the Mechanism for Its Broad Substrate Specificity. Journal of Biological Chemistry, 2017, 292, 2785-2794.	3.4	28
36	Fenton reactionâ€induced renal carcinogenesis in Mutyhâ€deficient mice exhibits less chromosomal aberrations than the rat model. Pathology International, 2017, 67, 564-574.	1.3	14

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37	Role of the DNA repair glycosylase OGG1 in the activation of murine splenocytes. DNA Repair, 2017, 58, 13-20.	2.8	11
38	Chronic atypical antipsychotics, but not haloperidol, increase neurogenesis in the hippocampus of adult mouse. Brain Research, 2017, 1676, 77-82.	2.2	33
39	Serum galectin-3, but not galectin-1, levels are elevated in schizophrenia: implications for the role of inflammation. Psychopharmacology, 2017, 234, 2919-2927.	3.1	20
40	2-Oxoadenosine induces cytotoxicity through intracellular accumulation of 2-oxo-ATP and depletion of ATP but not via the p38 MAPK pathway. Scientific Reports, 2017, 7, 6528.	3.3	2
41	MTH1 as a nucleotide pool sanitizing enzyme: Friend or foe?. Free Radical Biology and Medicine, 2017, 107, 151-158.	2.9	58
42	Comparative profiling of cortical gene expression in Alzheimerâ€™s disease patients and mouse models demonstrates a link between amyloidosis and neuroinflammation. Scientific Reports, 2017, 7, 17762.	3.3	138
43	8-oxoguanine DNA glycosylase (OGG1) deficiency elicits coordinated changes in lipid and mitochondrial metabolism in muscle. PLoS ONE, 2017, 12, e0181687.	2.5	28
44	Association of MTH1 expression with the tumor malignant potential and poor prognosis in patients with resected lung cancer. Lung Cancer, 2017, 109, 52-57.	2.0	21
45	Neurodegeneration Caused by Accumulation of an Oxidized Base Lesion, 8-oxoguanine, in Nuclear and Mitochondrial DNA: From Animal Models to Human Diseases. , 2017, , 523-556.		5
46	Human mitochondrial transcriptional factor A breaks the mitochondria-mediated vicious cycle in Alzheimerâ€™s disease. Scientific Reports, 2016, 6, 37889.	3.3	56
47	8-Oxoguanine accumulation in mitochondrial DNA causes mitochondrial dysfunction and impairs neuritogenesis in cultured adult mouse cortical neurons under oxidative conditions. Scientific Reports, 2016, 6, 22086.	3.3	66
48	Nucleotide excision repair of oxidised genomic DNA is not a source of urinary 8-oxo-7,8-dihydro-2â€²-deoxyguanosine. Free Radical Biology and Medicine, 2016, 99, 385-391.	2.9	26
49	<scp>PKC</scp>Î· deficiency improves lipid metabolism and atherosclerosis in apolipoprotein <scp>E</scp>â€deficient mice. Genes To Cells, 2016, 21, 1030-1048.	1.2	5
50	Hyperactive mTOR signals in the proopiomelanocortin-expressing hippocampal neurons cause age-dependent epilepsy and premature death in mice. Scientific Reports, 2016, 6, 22991.	3.3	18
51	Deoxyinosine triphosphate induces MLH1/PMS2- and p53-dependent cell growth arrest and DNA instability in mammalian cells. Scientific Reports, 2016, 6, 32849.	3.3	15
52	MUTYH promotes oxidative microglial activation and inherited retinal degeneration. JCI Insight, 2016, 1, e87781.	5.0	26
53	Deficiency of base excision repair enzyme NEIL3 drives increased predisposition to autoimmunity. Journal of Clinical Investigation, 2016, 126, 4219-4236.	8.2	56
54	Galectin-1 and galectin-3 as key molecules for peripheral nerve degeneration and regeneration. AIMS Molecular Science, 2016, 3, 325-337.	0.5	2

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55	Synergistic Actions of Ogg1 and Mutyh DNA Glycosylases Modulate Anxiety-like Behavior in Mice. Cell Reports, 2015, 13, 2671-2678.	6.4	39
56	Galectinâ€1 deficiency improves axonal swelling of motor neurones in <scp>SOD</scp>1^{G93A} transgenic mice. Neuropathology and Applied Neurobiology, 2015, 41, 227-244.	3.2	18
57	Differentiation-inducing factor-3 inhibits intestinal tumor growth inÂvitro and inÂvivo. Journal of Pharmacological Sciences, 2015, 127, 446-455.	2.5	18
58	Abnormality in Wnt Signaling is Causatively Associated with Oxidative Stress-Induced Intestinal Tumorigenesis in MUTYH-Null Mice. International Journal of Biological Sciences, 2014, 10, 940-947.	6.4	17
59	MUTYH, an adenine DNA glycosylase, mediates p53 tumor suppression via PARP-dependent cell death. Oncogenesis, 2014, 3, e121-e121.	4.9	41
60	Cellular Levels of 8-Oxoguanine in either DNA or the Nucleotide Pool Play Pivotal Roles in Carcinogenesis and Survival of Cancer Cells. International Journal of Molecular Sciences, 2014, 15, 12543-12557.	4.1	152
61	Mice Heterozygous for the Xanthine Oxidoreductase Gene Facilitate Lipid Accumulation in Adipocytes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 44-51.	2.4	32
62	Downâ€regulation of <scp>MET</scp> in hippocampal neurons of <scp>A</scp>lzheimer's disease brains. Neuropathology, 2014, 34, 284-290.	1.2	22
63	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
64	Apurinic/Apyrimidinic Endonuclease 2 Regulates the Expansion of Germinal Centers by Protecting against Activation-Induced Cytidine Deaminaseâ€“Independent DNA Damage in B Cells. Journal of Immunology, 2014, 193, 931-939.	0.8	15
65	Inhibitory Effects of Dietary Spirulina platensis on UVB-Induced Skin Inflammatory Responses and Carcinogenesis. Journal of Investigative Dermatology, 2014, 134, 2610-2619.	0.7	51
66	Altered Expression of Diabetes-Related Genes in Alzheimer's Disease Brains: The Hisayama Study. Cerebral Cortex, 2014, 24, 2476-2488.	2.9	294
67	Fosbgene products contribute to excitotoxic microglial activation by regulating the expression of complement C5a receptors in microglia. Glia, 2014, 62, 1284-1298.	4.9	52
68	DIF-1 inhibits tumor growth in vivo reducing phosphorylation of GSK-3Î² and expressions of cyclin D1 and TCF7L2 in cancer model mice. Biochemical Pharmacology, 2014, 89, 340-348.	4.4	30
69	Differential expression of APE1 and APE2 in germinal centers promotes error-prone repair and A:T mutations during somatic hypermutation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9217-9222.	7.1	52
70	International Symposium on â€œGermline Mutagenesis and Biodiversificationâ€• Genes and Genetic Systems, 2014, 89, 93-95.	0.7	0
71	Characterization of galectin-1-positive cells in the mouse hippocampus. NeuroReport, 2014, 25, 171-176.	1.2	10
72	8-oxoguanine causes spontaneous de novo germline mutations in mice. Scientific Reports, 2014, 4, 4689.	3.3	140

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73	fosB-Null Mice Display Impaired Adult Hippocampal Neurogenesis and Spontaneous Epilepsy with Depressive Behavior. Neuropsychopharmacology, 2013, 38, 895-906.	5.4	40
74	Neuroendocrine phenotypes in a boy with 5q14 deletion syndrome implicate the regulatory roles of myocyte-specific enhancer factor 2C in the postnatal hypothalamus. European Journal of Medical Genetics, 2013, 56, 475-483.	1.3	6
75	Crystallization and preliminary X-ray analysis of human MTH1 with a homogeneous N-terminus. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 45-48.	0.7	4
76	GDNF promotes neurite outgrowth and upregulates galectin-1 through the RET/PI3K signaling in cultured adult rat dorsal root ganglion neurons. Neurochemistry International, 2013, 62, 330-339.	3.8	37
77	Nature of nontargeted radiation effects observed during fractionated irradiation-induced thymic lymphomagenesis in mice. Journal of Radiation Research, 2013, 54, 453-466.	1.6	2
78	Oral â€˜hydrogen waterâ€™ induces neuroprotective ghrelin secretion in mice. Scientific Reports, 2013, 3, 3273.	3.3	58
79	Skin tumours induced by narrowband UVB have higher frequency of p53 mutations than tumours induced by broadband UVB independent of Ogg1 genotype. Mutagenesis, 2012, 27, 637-643.	2.6	19
80	Silencing of SNX1 by siRNA stimulates the ligand-induced endocytosis of EGFR and increases EGFR phosphorylation in gefitinib-resistant human lung cancer cell lines. International Journal of Oncology, 2012, 41, 1520-1530.	3.3	20
81	MutT Homolog-1 Attenuates Oxidative DNA Damage and Delays Photoreceptor Cell Death in Inherited Retinal Degeneration. American Journal of Pathology, 2012, 181, 1378-1386.	3.8	35
82	8-Oxoguanine DNA Glycosylase (OGG1) Deficiency Increases Susceptibility to Obesity and Metabolic Dysfunction. PLoS ONE, 2012, 7, e51697.	2.5	108
83	Therapeutic Approach to Neurodegenerative Diseases by Medical Gases: Focusing on Redox Signaling and Related Antioxidant Enzymes. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-9.	4.0	41
84	8-Oxoguanine causes neurodegeneration during MUTYH-mediated DNA base excision repair. Journal of Clinical Investigation, 2012, 122, 4344-4361.	8.2	110
85	Î”FosB and/or Î”2Î”FosB regulate proliferation of adult hippocampal neural progenitor cells and suppress spontaneous epileptic seizures. Neuroscience Research, 2011, 71, e295.	1.9	0
86	FosB Is Essential for the Enhancement of Stress Tolerance and Antagonizes Locomotor Sensitization by Î”FosB. Biological Psychiatry, 2011, 70, 487-495.	1.3	36
87	Therapeutic Effects of Hydrogen in Animal Models of Parkinson's Disease. Parkinson's Disease, 2011, 2011, 1-9.	1.1	13
88	A Role for SNX1 in the Regulation of EGF-Dependent Phosphorylated EGFR Endocytosis Via the Early/Late Endocytic Pathway in a Gefitinib-Sensitive Human Lung Cancer Cells. Current Signal Transduction Therapy, 2011, 6, 383-395.	0.5	7
89	OXIDATIVE STRESS-INDUCED TUMORIGENESIS IN THE SMALL INTESTINES OF DNA REPAIR-DEFICIENT MICE. Health Physics, 2011, 100, 293-294.	0.5	2
90	DNA glycosylase encoded by MUTYH functions as a molecular switch for programmed cell death under oxidative stress to suppress tumorigenesis. Cancer Science, 2011, 102, 677-682.	3.9	68

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91	Increased Expression of Versican in the Inflammatory Response to UVB- and Reactive Oxygen Species-Induced Skin Tumorigenesis. American Journal of Pathology, 2011, 179, 3056-3065.	3.8	38
92	Cancer-Related PRUNE2 Protein Is Associated with Nucleotides and Is Highly Expressed in Mature Nerve Tissues. Journal of Molecular Neuroscience, 2011, 44, 103-114.	2.3	20
93	Apurinic/Apyrimidinic Endonuclease 2 Is Necessary for Normal B Cell Development and Recovery of Lymphoid Progenitors after Chemotherapeutic Challenge. Journal of Immunology, 2011, 186, 1943-1950.	0.8	26
94	DNA Polymerases as Potential Therapeutic Targets for Cancers Deficient in the DNA Mismatch Repair Proteins MSH2 or MLH1. Cancer Cell, 2010, 17, 235-248.	16.8	181
95	Adenine DNA glycosylase activity of 14 Human MutY homolog (MUTYH) variant proteins found in patients with colorectal polyposis and cancer. Human Mutation, 2010, 31, E1861-E1874.	2.5	37
96	Nucleotides function as endogenous chemical sensors for oxidative stress signaling. Journal of Clinical Biochemistry and Nutrition, 2010, 48, 33-39.	1.4	29
97	NUDT16 is a (deoxy)inosine diphosphatase, and its deficiency induces accumulation of single-strand breaks in nuclear DNA and growth arrest. Nucleic Acids Research, 2010, 38, 4834-4843.	14.5	42
98	NUDT16 and ITPA play a dual protective role in maintaining chromosome stability and cell growth by eliminating dIDP/IDP and dITP/ITP from nucleotide pools in mammals. Nucleic Acids Research, 2010, 38, 2891-2903.	14.5	55
99	fosB-null mice exhibit impaired adult hippocampal neurogenesis and spontaneous epileptic seizures. Neuroscience Research, 2010, 68, e419.	1.9	0
100	A comprehensive screening system for damaged nucleotide-binding proteins. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 703, 37-42.	1.7	9
101	Programmed cell death triggered by nucleotide pool damage and its prevention by MutT homolog-1 (MTH1) with oxidized purine nucleoside triphosphatase. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 703, 51-58.	1.7	58
102	ITPA protein, an enzyme that eliminates deaminated purine nucleoside triphosphates in cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 703, 43-50.	1.7	43
103	Hydrogen in Drinking Water Reduces Dopaminergic Neuronal Loss in the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine Mouse Model of Parkinson's Disease. PLoS ONE, 2009, 4, e7247.	2.5	170
104	Altered expression of MUTYH and an increase in 8â€hydroxydeoxyguanosine are early events in ulcerative colitisâ€associated carcinogenesis. Journal of Pathology, 2009, 219, 77-86.	4.5	29
105	Galectin-1 promotes basal and kainate-induced proliferation of neural progenitors in the dentate gyrus of adult mouse hippocampus. Cell Death and Differentiation, 2009, 16, 417-427.	11.2	43
106	ITPase-deficient mice show growth retardation and die before weaning. Cell Death and Differentiation, 2009, 16, 1315-1322.	11.2	62
107	Mouse RS21â€C6 is a mammalian 2â€²â€deoxycytidine 5â€²â€triphosphate pyrophosphohydrolase that prefers 5â€iodocytosine. FEBS Journal, 2009, 276, 1654-1666.	4.7	21
108	Quantitative Analysis of Oxidized Guanine, 8-Oxoguanine, in Mitochondrial DNA by Immunofluorescence Method. Methods in Molecular Biology, 2009, 554, 199-212.	0.9	54

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109	Apex2 is required for efficient somatic hypermutation but not for class switch recombination of immunoglobulin genes. International Immunology, 2009, 21, 947-955.	4.0	37
110	Construction and Characterization of a Cell Line Deficient in Repair of Mitochondrial, but Not Nuclear, Oxidative DNA Damage. Methods in Molecular Biology, 2009, 554, 251-264.	0.9	3
111	Two distinct pathways of cell death triggered by oxidative damage to nuclear and mitochondrial DNAs. EMBO Journal, 2008, 27, 421-432.	7.8	194
112	Genomic and functional analyses of MUTYH in Japanese patients with adenomatous polyposis. Clinical Genetics, 2008, 73, 545-553.	2.0	45
113	Oxidation of mitochondrial deoxynucleotide pools by exposure to sodium nitroprusside induces cell death. DNA Repair, 2008, 7, 418-430.	2.8	58
114	Altered gene expression profiles and higher frequency of spontaneous DNA strand breaks in APEX2-null thymus. DNA Repair, 2008, 7, 1437-1454.	2.8	9
115	Impaired spermatogenesis and elevated spontaneous tumorigenesis in xeroderma pigmentosum group A gene (Xpa)-deficient mice. DNA Repair, 2008, 7, 1938-1950.	2.8	20
116	Antagonistic Regulation of Cell-Matrix Adhesion by FosB and Î”FosB/Î”2Î”FosB Encoded by Alternatively Spliced Forms of fosB Transcripts. Molecular Biology of the Cell, 2008, 19, 4717-4729.	2.1	15
117	A Role for Oxidized DNA Precursors in Huntington's Diseaseâ€“Like Striatal Neurodegeneration. PLoS Genetics, 2008, 4, e1000266.	3.5	53
118	Suberoylanilide hydroxamic acid (SAHA) induces apoptosis or autophagy-associated cell death in chondrosarcoma cell lines. Anticancer Research, 2008, 28, 1585-91.	1.1	85
119	MUTYH-Null Mice Are Susceptible to Spontaneous and Oxidative Stressâ€“Induced Intestinal Tumorigenesis. Cancer Research, 2007, 67, 6599-6604.	0.9	125
120	APE1- and APE2-dependent DNA breaks in immunoglobulin class switch recombination. Journal of Experimental Medicine, 2007, 204, 3017-3026.	8.5	156
121	Accumulation of 8-oxo-deoxyguanosine in cardiovascular tissues with the development of hypertension. DNA Repair, 2007, 6, 760-769.	2.8	24
122	RNA polymerase II bypasses 8-oxoguanine in the presence of transcription elongation factor TFIIS. DNA Repair, 2007, 6, 841-851.	2.8	75
123	Galectin-1 promotes neurogenesis in the dentate gyrus of mouse hippocampus after brain damage caused by excitotoxicity. Neuroscience Research, 2007, 58, S210.	1.9	0
124	APE1- and APE2-dependent DNA breaks in immunoglobulin class switch recombination. Journal of Experimental Medicine, 2007, 204, 3295-3295.	8.5	2
125	Oxidative damage in nucleic acids and Parkinson's disease. Journal of Neuroscience Research, 2007, 85, 919-934.	2.9	254
126	Induction of apoptosis and cellular senescence in mice lacking transcription elongation factor, Elongin A. Cell Death and Differentiation, 2007, 14, 716-726.	11.2	15

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127	Narrow-Band UVB Induces More Carcinogenic Skin Tumors than Broad-Band UVB through the Formation of Cyclobutane Pyrimidine Dimer. Journal of Investigative Dermatology, 2007, 127, 2865-2871.	0.7	62
128	Significance of error-avoiding mechanisms for oxidative DNA damage in carcinogenesis. Cancer Science, 2007, 98, 465-470.	3.9	89
129	Prevention of the Mutagenicity and Cytotoxicity of Oxidized Purine Nucleotides. , 2007, , 40-53.		6
130	Recognition of Nucleotide Analogs Containing the 7,8-Dihydro-8-oxo Structure by the Human MTH1 Protein. Journal of Biochemistry, 2006, 140, 843-849.	1.7	8
131	Contrasting Genome-Wide Distribution of 8-Hydroxyguanine and Acrolein-Modified Adenine during Oxidative Stress-Induced Renal Carcinogenesis. American Journal of Pathology, 2006, 169, 1328-1342.	3.8	45
132	Mutagenesis and carcinogenesis caused by the oxidation of nucleic acids. Biological Chemistry, 2006, 387, 373-9.	2.5	212
133	MTH1, an oxidized purine nucleoside triphosphatase, prevents the cytotoxicity and neurotoxicity of oxidized purine nucleotides. DNA Repair, 2006, 5, 761-772.	2.8	75
134	The human HYMAI/PLAGL1 differentially methylated region acts as an imprint control region in mice. Genomics, 2006, 88, 650-658.	2.9	19
135	Angiotensin I-converting enzyme gene polymorphism modifies the smokingâ€“cancer association: the Hisayama Study. European Journal of Cancer Prevention, 2006, 15, 196-201.	1.3	9
136	Crystallization and preliminary X-ray analysis of human MTH1 complexed with two oxidized nucleotides, 8-oxo-dGMP and 2-oxo-dATP. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 1283-1285.	0.7	7
137	MTH1, an oxidized purine nucleoside triphosphatase, protects the dopamine neurons from oxidative damage in nucleic acids caused by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. Cell Death and Differentiation, 2006, 13, 551-563.	11.2	76
138	Up-regulation of hMUTYH, a DNA repair enzyme, in the mitochondria of substantia nigra in Parkinsonâ€™s disease. Acta Neuropathologica, 2006, 112, 139-145.	7.7	51
139	The GT to GC single nucleotide polymorphism at the beginning of an alternative exon 2C of human MTH1 gene confers an amino terminal extension that functions as a mitochondrial targeting signal. Journal of Molecular Medicine, 2006, 84, 660-670.	3.9	11
140	Neonatal Ventral Hippocampal Lesions Produce an Elevation of Î”FosB-Like Protein(s) in the Rodent Neocortex. Neuropsychopharmacology, 2006, 31, 700-711.	5.4	19
141	Novel role of neuronal Ca2+ sensor-1 as a survival factor up-regulated in injured neurons. Journal of Cell Biology, 2006, 172, 1081-1091.	5.2	59
142	A genome-wide distribution of 8-oxoguanine correlates with the preferred regions for recombination and single nucleotide polymorphism in the human genome. Genome Research, 2006, 16, 567-575.	5.5	98
143	MTH1, an Oxidized Purine Nucleoside Triphosphatase, Suppresses the Accumulation of Oxidative Damage of Nucleic Acids in the Hippocampal Microglia during Kainate-Induced Excitotoxicity. Journal of Neuroscience, 2006, 26, 1688-1698.	3.6	57
144	Galectin-1 is essential in tumor angiogenesis and is a target for antiangiogenesis therapy. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15975-15980.	7.1	424

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145	Selective induction of Î”FosB in the brain after transient forebrain ischemia accompanied by an increased expression of galectin-1, and the implication of Î”FosB and galectin-1 in neuroprotection and neurogenesis. Cell Death and Differentiation, 2005, 12, 1078-1096.	11.2	31
146	Stress response gene ATF3 is a target of c-myc in serum-induced cell proliferation. EMBO Journal, 2005, 24, 2590-2601.	7.8	99
147	Some flavonoids and DHEA-S prevent the cis-effect of expanded CTG repeats in a stable PC12 cell transformant. Biochemical Pharmacology, 2005, 69, 503-516.	4.4	15
148	Expression of 8-oxoguanine DNA glycosylase (OGG1) in Parkinson?s disease and related neurodegenerative disorders. Acta Neuropathologica, 2005, 109, 256-262.	7.7	122
149	8-Oxoguanine Formation Induced by Chronic UVB Exposure Makes Ogg1 Knockout Mice Susceptible to Skin Carcinogenesis. Cancer Research, 2005, 65, 6006-6010.	0.9	121
150	Regulation of the Neuronal Fate by ΔFosB and its Downstream Target, Galectin-1. Current Drug Targets, 2005, 6, 437-444.	2.1	17
151	Characterization of the Structure and Expression of Mouse Itpa Gene and its Related Sequences in the Mouse Genome. DNA Research, 2005, 12, 39-51.	3.4	20
152	Expression of Adipose Differentiation-Related Protein (ADRP) Is Conjointly Regulated by PU.1 and AP-1 in Macrophages. Journal of Biochemistry, 2005, 138, 399-412.	1.7	27
153	A functional analysis of the DNA glycosylase activity of mouse MUTYH protein excising 2-hydroxyadenine opposite guanine in DNA. Nucleic Acids Research, 2005, 33, 672-682.	14.5	37
154	Hematopoietic Tissueâ€“Specific Expression of Mouse Neil3 for Endonuclease VIIIâ€“Like Protein. Journal of Biochemistry, 2005, 138, 763-772.	1.7	60
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