

Yusaku Nakabeppu

List of Publications by Year in descending order

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276
papers

17,963
citations

13865

67
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17592

121
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297
all docs

297
docs citations

297
times ranked

14735
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA binding activities of three murine Jun proteins: Stimulation by Fos. <i>Cell</i> , 1988, 55, 907-915.	28.9	841
2	Regulation and Expression of the Adaptive Response to Alkylating Agents. <i>Annual Review of Biochemistry</i> , 1988, 57, 133-157.	11.1	666
3	Differentiation-induced gene expression in 3T3-L1 preadipocytes: CCAAT/enhancer binding protein interacts with and activates the promoters of two adipocyte-specific genes.. <i>Genes and Development</i> , 1989, 3, 1323-1335.	5.9	561
4	Induction of a long-lasting AP-1 complex composed of altered Fos-like proteins in brain by chronic cocaine and other chronic treatments. <i>Neuron</i> , 1994, 13, 1235-1244.	8.1	535
5	Galectin-1 is essential in tumor angiogenesis and is a target for antiangiogenesis therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15975-15980.	7.1	424
6	A naturally occurring truncated form of FosB that inhibits Fos/Jun transcriptional activity. <i>Cell</i> , 1991, 64, 751-759.	28.9	415
7	Expression and Differential Intracellular Localization of Two Major Forms of Human 8-Oxoguanine DNA Glycosylase Encoded by Alternatively Spliced OGG1 mRNAs. <i>Molecular Biology of the Cell</i> , 1999, 10, 1637-1652.	2.1	365
8	Altered Expression of Diabetes-Related Genes in Alzheimer's Disease Brains: The Hisayama Study. <i>Cerebral Cortex</i> , 2014, 24, 2476-2488.	2.9	294
9	Chronic Fos-Related Antigens: Stable Variants of FosB Induced in Brain by Chronic Treatments. <i>Journal of Neuroscience</i> , 1997, 17, 4933-4941.	3.6	293
10	Identification of human MutY homolog (hMYH) as a repair enzyme for 2-hydroxyadenine in DNA and detection of multiple forms of hMYH located in nuclei and mitochondria. <i>Nucleic Acids Research</i> , 2000, 28, 1355-1364.	14.5	282
11	Spontaneous tumorigenesis in mice defective in the MTH1 gene encoding 8-oxo-dGTPase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 11456-11461.	7.1	276
12	JSAP1, a Novel Jun N-Terminal Protein Kinase (JNK)-Binding Protein That Functions as a Scaffold Factor in the JNK Signaling Pathway. <i>Molecular and Cellular Biology</i> , 1999, 19, 7539-7548.	2.3	270
13	Constitutive expression of zif268 in neocortex is regulated by synaptic activity.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 5106-5110.	7.1	263
14	Oxidative damage in nucleic acids and Parkinson's disease. <i>Journal of Neuroscience Research</i> , 2007, 85, 919-934.	2.9	254
15	Mutagenesis and carcinogenesis caused by the oxidation of nucleic acids. <i>Biological Chemistry</i> , 2006, 387, 373-9.	2.5	212
16	The Oxidized Forms of dATP Are Substrates for the Human MutT Homologue, the hMTH1 Protein. <i>Journal of Biological Chemistry</i> , 1999, 274, 18201-18205.	3.4	204
17	Two distinct pathways of cell death triggered by oxidative damage to nuclear and mitochondrial DNAs. <i>EMBO Journal</i> , 2008, 27, 421-432.	7.8	194
18	Ogg1 knockout-associated lung tumorigenesis and its suppression by Mth1 gene disruption. <i>Cancer Research</i> , 2003, 63, 902-5.	0.9	185

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19	DNA Polymerases as Potential Therapeutic Targets for Cancers Deficient in the DNA Mismatch Repair Proteins MSH2 or MLH1. <i>Cancer Cell</i> , 2010, 17, 235-248.	16.8	181
20	Chronic Alterations in Dopaminergic Neurotransmission Produce a Persistent Elevation of \hat{I} FosB-like Protein(s) in both the Rodent and Primate Striatum. <i>European Journal of Neuroscience</i> , 1996, 8, 365-381.	2.6	178
21	Intracellular Localization of 8-Oxo-dGTPase in Human Cells, with Special Reference to the Role of the Enzyme in Mitochondria. <i>Journal of Biological Chemistry</i> , 1995, 270, 14659-14665.	3.4	172
22	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. <i>PLoS ONE</i> , 2009, 4, e7247.	2.5	170
23	Silencing effect of CpG island hypermethylation and histone modifications on O6-methylguanine-DNA methyltransferase (MGMT) gene expression in human cancer. <i>Oncogene</i> , 2003, 22, 8835-8844.	5.9	164
24	APE1- and APE2-dependent DNA breaks in immunoglobulin class switch recombination. <i>Journal of Experimental Medicine</i> , 2007, 204, 3017-3026.	8.5	156
25	Increased 8-oxo-dGTPase in the mitochondria of substantia nigral neurons in Parkinson's disease. <i>Annals of Neurology</i> , 1999, 46, 920-924.	5.3	155
26	Cellular Levels of 8-Oxoguanine in either DNA or the Nucleotide Pool Play Pivotal Roles in Carcinogenesis and Survival of Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2014, 15, 12543-12557.	4.1	152
27	Genomic Structure and Chromosome Location of the Human mutT Homologue Gene MTH1 Encoding 8-Oxo-dGTPase for Prevention of A:T to C:G Transversion. <i>Genomics</i> , 1994, 24, 485-490.	2.9	149
28	Three-Dimensional Structure of a DNA Repair Enzyme, 3-Methyladenine DNA Glycosylase II, from <i>Escherichia coli</i> . <i>Cell</i> , 1996, 86, 311-319.	28.9	147
29	Human APE2 protein is mostly localized in the nuclei and to some extent in the mitochondria, while nuclear APE2 is partly associated with proliferating cell nuclear antigen. <i>Nucleic Acids Research</i> , 2001, 29, 2349-2360.	14.5	145
30	XRCC1 interactions with multiple DNA glycosylases: A model for its recruitment to base excision repair. <i>DNA Repair</i> , 2005, 4, 826-835.	2.8	145
31	8-oxoguanine causes spontaneous de novo germline mutations in mice. <i>Scientific Reports</i> , 2014, 4, 4689.	3.3	140
32	A single-point mutation in HCF causes temperature-sensitive cell-cycle arrest and disrupts VP16 function.. <i>Genes and Development</i> , 1997, 11, 726-737.	5.9	139
33	Comparative profiling of cortical gene expression in Alzheimer's disease patients and mouse models demonstrates a link between amyloidosis and neuroinflammation. <i>Scientific Reports</i> , 2017, 7, 17762.	3.3	138
34	Regulation of intracellular localization of human MTH1, OGG1, and MYH proteins for repair of oxidative DNA damage. <i>Progress in Molecular Biology and Translational Science</i> , 2001, 68, 75-94.	1.9	137
35	Metabolic Fate of Oxidized Guanine Ribonucleotides in Mammalian Cells. <i>Biochemistry</i> , 1999, 38, 3610-3614.	2.5	132
36	The Oxidized Deoxynucleoside Triphosphate Pool Is a Significant Contributor to Genetic Instability in Mismatch Repair-Deficient Cells. <i>Molecular and Cellular Biology</i> , 2004, 24, 465-474.	2.3	126

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37	MUTYH-Null Mice Are Susceptible to Spontaneous and Oxidative Stress-Induced Intestinal Tumorigenesis. <i>Cancer Research</i> , 2007, 67, 6599-6604.	0.9	125
38	Physical association of pyrimidine dimer DNA glycosylase and apurinic/aprimidinic DNA endonuclease essential for repair of ultraviolet-damaged DNA.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1981, 78, 2742-2746.	7.1	123
39	Expression of 8-oxoguanine DNA glycosylase is reduced and associated with neurofibrillary tangles in Alzheimer's disease brain. <i>Acta Neuropathologica</i> , 2002, 103, 20-25.	7.7	122
40	Expression of 8-oxoguanine DNA glycosylase (OGG1) in Parkinson's disease and related neurodegenerative disorders. <i>Acta Neuropathologica</i> , 2005, 109, 256-262.	7.7	122
41	8-Oxoguanine Formation Induced by Chronic UVB Exposure Makes Ogg1 Knockout Mice Susceptible to Skin Carcinogenesis. <i>Cancer Research</i> , 2005, 65, 6006-6010.	0.9	121
42	An Oxidized Purine Nucleoside Triphosphatase, MTH1, Suppresses Cell Death Caused by Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2003, 278, 37965-37973.	3.4	120
43	Human MTH1 protein hydrolyzes the oxidized ribonucleotide, 2-hydroxy-ATP. <i>Nucleic Acids Research</i> , 2001, 29, 449-454.	14.5	118
44	The dopamine D1 receptor is a critical mediator for cocaine-induced gene expression. <i>Journal of Neurochemistry</i> , 2002, 82, 1453-1464.	3.9	113
45	Molecular genetics and structural biology of human MutT homolog, MTH1. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2001, 477, 59-70.	1.0	112
46	8-Oxoguanine causes neurodegeneration during MUTYH-mediated DNA base excision repair. <i>Journal of Clinical Investigation</i> , 2012, 122, 4344-4361.	8.2	110
47	8-Oxoguanine DNA Glycosylase (OGG1) Deficiency Increases Susceptibility to Obesity and Metabolic Dysfunction. <i>PLoS ONE</i> , 2012, 7, e51697.	2.5	108
48	Regulatory mechanisms for induction of synthesis of repair enzymes in response to alkylating agents: ada protein acts as a transcriptional regulator.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986, 83, 6297-6301.	7.1	105
49	Molecular pathophysiology of impaired glucose metabolism, mitochondrial dysfunction, and oxidative DNA damage in Alzheimer's disease brain. <i>Mechanisms of Ageing and Development</i> , 2017, 161, 95-104.	4.6	105
50	Stress response gene ATF3 is a target of c-myc in serum-induced cell proliferation. <i>EMBO Journal</i> , 2005, 24, 2590-2601.	7.8	99
51	A genome-wide distribution of 8-oxoguanine correlates with the preferred regions for recombination and single nucleotide polymorphism in the human genome. <i>Genome Research</i> , 2006, 16, 567-575.	5.5	98
52	Differential regulation of fos family genes in the ventrolateral and dorsomedial subdivisions of the rat suprachiasmatic nucleus. <i>Neuroscience</i> , 2000, 98, 535-547.	2.3	93
53	Impairment of mitochondrial DNA repair enzymes against accumulation of 8-oxo-guanine in the spinal motor neurons of amyotrophic lateral sclerosis. <i>Acta Neuropathologica</i> , 2002, 103, 408-414.	7.7	92
54	Review The Defense Mechanisms in Mammalian Cells against Oxidative Damage in Nucleic Acids and their Involvement in the Suppression of Mutagenesis and Cell Death. <i>Free Radical Research</i> , 2004, 38, 423-429.	3.3	92

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55	Accumulation of 8-oxoguanine in the cellular DNA and the alteration of the OGG1 expression during ischemia-reperfusion injury in the rat kidney. <i>DNA Repair</i> , 2003, 2, 211-229.	2.8	89
56	Significance of error-avoiding mechanisms for oxidative DNA damage in carcinogenesis. <i>Cancer Science</i> , 2007, 98, 465-470.	3.9	89
57	Synaptic Regulation of Immediate Early Gene Expression in Primary Cultures of Cortical Neurons. <i>Journal of Neurochemistry</i> , 1991, 57, 1862-1872.	3.9	85
58	Suberoylanilide hydroxamic acid (SAHA) induces apoptosis or autophagy-associated cell death in chondrosarcoma cell lines. <i>Anticancer Research</i> , 2008, 28, 1585-91.	1.1	85
59	Replication-Associated Repair of Adenine:8-Oxoguanine Mispairs by MYH. <i>Current Biology</i> , 2002, 12, 335-339.	3.9	81
60	Mutator Phenotype of MUTYH-null Mouse Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 38121-38124.	3.4	80
61	Selective increase in cellular A β 242 is related to apoptosis but not necrosis. <i>NeuroReport</i> , 2000, 11, 167-171.	1.2	78
62	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. <i>Cell Death and Differentiation</i> , 2006, 13, 551-563.	11.2	76
63	A Molecular Basis for the Selective Recognition of 2-Hydroxy-dATP and 8-Oxo-dGTP by Human MTH1. <i>Journal of Biological Chemistry</i> , 2002, 277, 8579-8587.	3.4	75
64	MTH1, an oxidized purine nucleoside triphosphatase, prevents the cytotoxicity and neurotoxicity of oxidized purine nucleotides. <i>DNA Repair</i> , 2006, 5, 761-772.	2.8	75
65	RNA polymerase II bypasses 8-oxoguanine in the presence of transcription elongation factor TFIIIS. <i>DNA Repair</i> , 2007, 6, 841-851.	2.8	75
66	Molecular cloning of AtMMH, an Arabidopsis thaliana ortholog of the Escherichia coli mutM gene, and analysis of functional domains of its product. <i>Molecular Genetics and Genomics</i> , 1998, 259, 577-590.	2.4	71
67	Induction of c-Fos-like and FosB-like immunoreactivity reveals forebrain neuronal populations involved differentially in pup-mediated maternal behavior in juvenile and adult rats. , 2000, 416, 45-78.		69
68	Biological Significance of the Defense Mechanisms against Oxidative Damage in Nucleic Acids Caused by Reactive Oxygen Species: From Mitochondria to Nuclei. <i>Annals of the New York Academy of Sciences</i> , 2004, 1011, 101-111.	3.8	69
69	DNA glycosylase encoded by <i>MUTYH</i> functions as a molecular switch for programmed cell death under oxidative stress to suppress tumorigenesis. <i>Cancer Science</i> , 2011, 102, 677-682.	3.9	68
70	8-Oxoguanine accumulation in mitochondrial DNA causes mitochondrial dysfunction and impairs neuritogenesis in cultured adult mouse cortical neurons under oxidative conditions. <i>Scientific Reports</i> , 2016, 6, 22086.	3.3	66
71	Synaptic Regulation of Immediate-Early Genes in Brain. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1990, 55, 213-223.	1.1	63
72	Functional sites of the Ada regulatory protein of Escherichia coli. <i>Journal of Molecular Biology</i> , 1988, 201, 261-271.	4.2	62

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73	Narrow-Band UVB Induces More Carcinogenic Skin Tumors than Broad-Band UVB through the Formation of Cyclobutane Pyrimidine Dimer. <i>Journal of Investigative Dermatology</i> , 2007, 127, 2865-2871.	0.7	62
74	ITPase-deficient mice show growth retardation and die before weaning. <i>Cell Death and Differentiation</i> , 2009, 16, 1315-1322.	11.2	62
75	Hematopoietic Tissue-Specific Expression of Mouse Neil3 for Endonuclease VIII-Like Protein. <i>Journal of Biochemistry</i> , 2005, 138, 763-772.	1.7	60
76	Novel role of neuronal Ca ²⁺ sensor-1 as a survival factor up-regulated in injured neurons. <i>Journal of Cell Biology</i> , 2006, 172, 1081-1091.	5.2	59
77	Oxidation of mitochondrial deoxynucleotide pools by exposure to sodium nitroprusside induces cell death. <i>DNA Repair</i> , 2008, 7, 418-430.	2.8	58
78	Programmed cell death triggered by nucleotide pool damage and its prevention by MutT homolog-1 (MTH1) with oxidized purine nucleoside triphosphatase. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010, 703, 51-58.	1.7	58
79	Oral ¹⁸ F-hydrogen water™ induces neuroprotective ghrelin secretion in mice. <i>Scientific Reports</i> , 2013, 3, 3273.	3.3	58
80	MTH1 as a nucleotide pool sanitizing enzyme: Friend or foe?. <i>Free Radical Biology and Medicine</i> , 2017, 107, 151-158.	2.9	58
81	Adaptive response: induced synthesis of DNA repair enzymes by alkylating agents. <i>Trends in Genetics</i> , 1987, 3, 51-54.	6.7	57
82	Regulation of Expression of the Human MTH1 Gene Encoding 8-Oxo-dGTPase. <i>Journal of Biological Chemistry</i> , 1997, 272, 17843-17850.	3.4	57
83	MTH1, an Oxidized Purine Nucleoside Triphosphatase, Suppresses the Accumulation of Oxidative Damage of Nucleic Acids in the Hippocampal Microglia during Kainate-Induced Excitotoxicity. <i>Journal of Neuroscience</i> , 2006, 26, 1688-1698.	3.6	57
84	Genomic Response to Growth Factors. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1988, 53, 893-900.	1.1	57
85	CpG methylation of MGMT and hMLH1 promoter in hepatocellular carcinoma associated with hepatitis viral infection. <i>British Journal of Cancer</i> , 2003, 88, 521-529.	6.4	56
86	Human mitochondrial transcriptional factor A breaks the mitochondria-mediated vicious cycle in Alzheimer's disease. <i>Scientific Reports</i> , 2016, 6, 37889.	3.3	56
87	Deficiency of base excision repair enzyme NEIL3 drives increased predisposition to autoimmunity. <i>Journal of Clinical Investigation</i> , 2016, 126, 4219-4236.	8.2	56
88	Accumulation of 8-oxo-dG ² -deoxyguanosine and increased expression of hMTH1 protein in brain tumors. <i>Neuro-Oncology</i> , 2001, 3, 73-81.	1.2	55
89	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. <i>Nucleic Acids Research</i> , 2010, 38, 2891-2903.	14.5	55
90	FER-1, an Enhancer of the Ferritin H Gene and a Target of E1A-Mediated Transcriptional Repression. <i>Molecular and Cellular Biology</i> , 1995, 15, 5152-5164.	2.3	54

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91	Quantitative Analysis of Oxidized Guanine, 8-Oxoguanine, in Mitochondrial DNA by Immunofluorescence Method. <i>Methods in Molecular Biology</i> , 2009, 554, 199-212.	0.9	54
92	A Role for Oxidized DNA Precursors in Huntington's Disease-Like Striatal Neurodegeneration. <i>PLoS Genetics</i> , 2008, 4, e1000266.	3.5	53
93	DNA-repair methyltransferase as a molecular device for preventing mutation and cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 1996, 122, 199-206.	2.5	52
94	Deficient expression of O ⁶ -Methylguanine-DNA methyltransferase combined with mismatch-repair proteins hMLH1 and hMSH2 is related to poor prognosis in human biliary tract carcinoma. <i>Annals of Surgical Oncology</i> , 2002, 9, 371-379.	1.5	52
95	<i>Fosb</i> gene products contribute to excitotoxic microglial activation by regulating the expression of complement C5a receptors in microglia. <i>Glia</i> , 2014, 62, 1284-1298.	4.9	52
96	Differential expression of APE1 and APE2 in germinal centers promotes error-prone repair and A:T mutations during somatic hypermutation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9217-9222.	7.1	52
97	Celecoxib and 2,5-dimethylcelecoxib inhibit intestinal cancer growth by suppressing the Wnt/ β -catenin signaling pathway. <i>Cancer Science</i> , 2017, 108, 108-115.	3.9	52
98	Characterization of human polymorphic DNA repair methyltransferase. <i>Pharmacogenetics and Genomics</i> , 2000, 10, 59-66.	5.7	51
99	Up-regulation of hMUTYH, a DNA repair enzyme, in the mitochondria of substantia nigra in Parkinson's disease. <i>Acta Neuropathologica</i> , 2006, 112, 139-145.	7.7	51
100	Inhibitory Effects of Dietary <i>Spirulina platensis</i> on UVB-Induced Skin Inflammatory Responses and Carcinogenesis. <i>Journal of Investigative Dermatology</i> , 2014, 134, 2610-2619.	0.7	51
101	Futile short-patch DNA base excision repair of adenine:8-oxoguanine mispair. <i>Nucleic Acids Research</i> , 2004, 32, 5928-5934.	14.5	50
102	Targeted disruption of one allele of the Y-box binding protein-1 (YB-1) gene in mouse embryonic stem cells and increased sensitivity to cisplatin and mitomycin C. <i>Cancer Science</i> , 2004, 95, 348-353.	3.9	50
103	Expression of hMTH1 in the hippocampi of control and Alzheimer's disease. <i>NeuroReport</i> , 2001, 12, 2895-2899.	1.2	49
104	Structure of Human MTH1, a Nudix Family Hydrolase That Selectively Degrades Oxidized Purine Nucleoside Triphosphates. <i>Journal of Biological Chemistry</i> , 2004, 279, 33806-33815.	3.4	49
105	Structure and function of dnaQ and mutD mutators of <i>Escherichia coli</i> . <i>Molecular Genetics and Genomics</i> , 1986, 205, 9-13.	2.4	48
106	Transfer of the <i>E. coli</i> O ⁶ -methyltransferase gene into repair-deficient human cells and restoration of cellular resistance to N-methyl-N ² -nitro-N-nitrosoguanidine. <i>Mutation Research - DNA Repair Reports</i> , 1986, 166, 135-141.	1.8	47
107	Contrasting Effects of Chronic Clozapine, Seroquel TM (ICI 204,636) and Haloperidol Administration on ¹²⁵ I-FosB-like Immunoreactivity in the Rodent Forebrain. <i>European Journal of Neuroscience</i> , 1996, 8, 927-936.	2.6	47
108	Differential Expression of Cytokeratin after Orthotopic Implantation of Newly Established Human Tongue Cancer Cell Lines of Defined Metastatic Ability. <i>American Journal of Pathology</i> , 2000, 156, 1317-1326.	3.8	47

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109	Multi-forms of human MTH1 polypeptides produced by alternative translation initiation and single nucleotide polymorphism. <i>Nucleic Acids Research</i> , 1999, 27, 4335-4343.	14.5	45
110	Growth retardation and dyslymphopoiesis accompanied by G2/M arrest in APEX2-null mice. <i>Blood</i> , 2004, 104, 4097-4103.	1.4	45
111	Contrasting Genome-Wide Distribution of 8-Hydroxyguanine and Acrolein-Modified Adenine during Oxidative Stress-Induced Renal Carcinogenesis. <i>American Journal of Pathology</i> , 2006, 169, 1328-1342.	3.8	45
112	Genomic and functional analyses of <i>MUTYH</i> in Japanese patients with adenomatous polyposis. <i>Clinical Genetics</i> , 2008, 73, 545-553.	2.0	45
113	Biochemical and physicochemical characterization of normal and variant forms of human MTH1 protein with antimutagenic activity. <i>Mutation Research DNA Repair</i> , 1997, 384, 181-194.	3.7	44
114	Expression and Prognostic Significance of O 6-Methylguanine-DNA Methyltransferase in Hepatocellular, Gastric, and Breast Cancers. <i>Annals of Surgical Oncology</i> , 2001, 8, 807-816.	1.5	44
115	Galectin-1 promotes basal and kainate-induced proliferation of neural progenitors in the dentate gyrus of adult mouse hippocampus. <i>Cell Death and Differentiation</i> , 2009, 16, 417-427.	11.2	43
116	ITPA protein, an enzyme that eliminates deaminated purine nucleoside triphosphates in cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010, 703, 43-50.	1.7	43
117	NUDT16 is a (deoxy)inosine diphosphatase, and its deficiency induces accumulation of single-strand breaks in nuclear DNA and growth arrest. <i>Nucleic Acids Research</i> , 2010, 38, 4834-4843.	14.5	42
118	Expression of the <i>ada</i> gene of <i>Escherichia coli</i> in response to alkylating agents. <i>Journal of Molecular Biology</i> , 1988, 202, 483-494.	4.2	41
119	Therapeutic Approach to Neurodegenerative Diseases by Medical Gases: Focusing on Redox Signaling and Related Antioxidant Enzymes. <i>Oxidative Medicine and Cellular Longevity</i> , 2012, 2012, 1-9.	4.0	41
120	MUTYH, an adenine DNA glycosylase, mediates p53 tumor suppression via PARP-dependent cell death. <i>Oncogenesis</i> , 2014, 3, e121-e121.	4.9	41
121	Sensitivity of <i>Escherichia coli</i> (MutT) and human (MTH1) 8-oxo-dGTPases to in vitro inhibition by the carcinogenic metals, nickel(II), copper(II), cobalt(II) and cadmium(II). <i>Carcinogenesis</i> , 1997, 18, 1785-1791.	2.8	40
122	A defect in a single allele of the <i>Mlh1</i> gene causes dissociation of the killing and tumorigenic actions of an alkylating carcinogen in methyltransferase-deficient mice. <i>Carcinogenesis</i> , 2000, 21, 301-305.	2.8	40
123	<i>fosB</i> -Null Mice Display Impaired Adult Hippocampal Neurogenesis and Spontaneous Epilepsy with Depressive Behavior. <i>Neuropsychopharmacology</i> , 2013, 38, 895-906.	5.4	40
124	Cloning and sequence of the gene encoding the major structural component of mannose-resistant fimbriae of <i>Serratia marcescens</i> . <i>Journal of Bacteriology</i> , 1988, 170, 3567-3574.	2.2	39
125	Synergistic Actions of <i>Ogg1</i> and <i>Mutyh</i> DNA Glycosylases Modulate Anxiety-like Behavior in Mice. <i>Cell Reports</i> , 2015, 13, 2671-2678.	6.4	39
126	Functional Significance of the Conserved Residues for the 23-Residue Module among MTH1 and MutT Family Proteins. <i>Journal of Biological Chemistry</i> , 1999, 274, 38251-38259.	3.4	38

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127	Increased Expression of Versican in the Inflammatory Response to UVB- and Reactive Oxygen Species-Induced Skin Tumorigenesis. <i>American Journal of Pathology</i> , 2011, 179, 3056-3065.	3.8	38
128	A functional analysis of the DNA glycosylase activity of mouse MUTYH protein excising 2-hydroxyadenine opposite guanine in DNA. <i>Nucleic Acids Research</i> , 2005, 33, 672-682.	14.5	37
129	Apex2 is required for efficient somatic hypermutation but not for class switch recombination of immunoglobulin genes. <i>International Immunology</i> , 2009, 21, 947-955.	4.0	37
130	Adenine DNA glycosylase activity of 14 Human MutY homolog (MUTYH) variant proteins found in patients with colorectal polyposis and cancer. <i>Human Mutation</i> , 2010, 31, E1861-E1874.	2.5	37
131	GDNF promotes neurite outgrowth and upregulates galectin-1 through the RET/PI3K signaling in cultured adult rat dorsal root ganglion neurons. <i>Neurochemistry International</i> , 2013, 62, 330-339.	3.8	37
132	Identification and characterization of two forms of mouse MUTYH proteins encoded by alternatively spliced transcripts. <i>Nucleic Acids Research</i> , 2004, 32, 477-487.	14.5	36
133	Galectin-1 Δ 2, a natural monomeric form of galectin-1 lacking its six amino-terminal residues promotes axonal regeneration but not cell death. <i>Cell Death and Differentiation</i> , 2004, 11, 1076-1083.	11.2	36
134	FosB Is Essential for the Enhancement of Stress Tolerance and Antagonizes Locomotor Sensitization by Δ FosB. <i>Biological Psychiatry</i> , 2011, 70, 487-495.	1.3	36
135	Deficient Expression of O6-Methylguanine-DNA Methyltransferase Combined With Mismatch-Repair Proteins hMLH1 and hMSH2 Is Related to Poor Prognosis in Human Biliary Tract Carcinoma. <i>Annals of Surgical Oncology</i> , 2002, 9, 371-379.	1.5	36
136	MutT Homolog-1 Attenuates Oxidative DNA Damage and Delays Photoreceptor Cell Death in Inherited Retinal Degeneration. <i>American Journal of Pathology</i> , 2012, 181, 1378-1386.	3.8	35
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274	FosB and/or FosB regulate proliferation of adult hippocampal neural progenitor cells and suppress spontaneous epileptic seizures. <i>Neuroscience Research</i> , 2011, 71, e295.	1.9	0
275	International Symposium on "Germline Mutagenesis and Biodiversification", <i>Genes and Genetic Systems</i> , 2014, 89, 93-95.	0.7	0
276	Requirement for two conserved cysteine residues in the Ada protein of. <i>Molecular Genetics and Genomics</i> , 1996, 250, 523.	2.4	0