Daisuke Tsuchimoto

List of Publications by Year
in descending order

24	910	567281 15	610901 24
papers	citations	h-index	g-index

24	24	24	1231
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mutagenesis and carcinogenesis caused by the oxidation of nucleic acids. Biological Chemistry, 2006, 387, 373-9.	2.5	212
2	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. Nucleic Acids Research, 2001, 29, 2349-2360.	14.5	145
3	Biological Significance of the Defense Mechanisms against Oxidative Damage in Nucleic Acids Caused by Reactive Oxygen Species: From Mitochondria to Nuclei. Annals of the New York Academy of Sciences, 2004, 1011, 101-111.	3.8	69
4	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
5	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
6	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
7	Growth retardation and dyslymphopoiesis accompanied by G2/M arrest in APEX2-null mice. Blood, 2004, 104, 4097-4103.	1.4	45
8	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
9	Characterization of the genomic structure and expression of the mouse Apex2 gene. Genomics, 2003, 81, 47-57.	2.9	30
10	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
11	Cisplatin-Mediated Upregulation of APE2 Binding to MYH9 Provokes Mitochondrial Fragmentation and Acute Kidney Injury. Cancer Research, 2021, 81, 713-723.	0.9	24
12	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
13	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
14	A Novel Autoantibody against Plexin <scp>D</scp>1 in Patients with Neuropathic Pain. Annals of Neurology, 2018, 84, 208-224.	5.3	20
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	A comprehensive screening system for damaged nucleotide-binding proteins. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 703, 37-42.	1.7	9
20	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
21	<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
22	Neural stem cellâ€“specific ITPA deficiency causes neural depolarization and epilepsy. JCI Insight, 2020, 5, .	5.0	5
23	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
24	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