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Spontaneous hepatocellular carcinoma is reduced in transgenic mice overexpressing human O6-methylguanine-DNA methyltransferase

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#	Paper	IF	Citations
43	Prevention of liver cancer. <i>Current Oncology Reports</i> , <b>2002</b> , 4, 464-70	6.3	41
42	Coffee and its chemopreventive components Kahweol and Cafestol increase the activity of O6-methylguanine-DNA methyltransferase in rat liver--comparison with phase II xenobiotic metabolism. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2003</b> , 522, 57-68	3.3	66
41	Mechanisms of human DNA repair: an update. <i>Toxicology</i> , <b>2003</b> , 193, 3-34	4.4	437
40	Marked inactivation of O6-alkylguanine-DNA alkyltransferase activity with protracted temozolomide schedules. <i>British Journal of Cancer</i> , <b>2003</b> , 88, 1004-11	8.7	300
39	Viral genes and methylation. <i>Annals of the New York Academy of Sciences</i> , <b>2003</b> , 983, 170-80	6.5	45
38	Toxicology of Chemical Carcinogens. <b>2004</b> , 83-180		
37	MGMT: its role in cancer aetiology and cancer therapeutics. <i>Nature Reviews Cancer</i> , <b>2004</b> , 4, 296-307	31.3	626
36	Mutational-reporter transgenes rescued from mice lacking either Mgmt, or both Mgmt and Msh6 suggest that O6-alkylguanine-induced miscoding does not contribute to the spontaneous mutational spectrum. <i>Oncogene</i> , <b>2004</b> , 23, 5931-40	9.2	7
35	Mutation spectral changes in spermatogenic cells obtained from old mice. <i>DNA Repair</i> , <b>2004</b> , 3, 495-504	4.3	21
34	DNA repair proteins as molecular therapeutics for oxidative and alkylating lung injury. <i>Current Gene Therapy</i> , <b>2005</b> , 5, 225-36	4.3	14
33	Quantitative trait locus analysis reveals two intragenic sites that influence O6-alkylguanine-DNA alkyltransferase activity in peripheral blood mononuclear cells. <i>Carcinogenesis</i> , <b>2005</b> , 26, 1473-80	4.6	51
32	Characterisation of a P140K mutant O6-methylguanine-DNA-methyltransferase (MGMT)-expressing transgenic mouse line with drug-selectable bone marrow. <i>Journal of Gene Medicine</i> , <b>2006</b> , 8, 1071-85	3.5	12
31	Chemopreventative strategies targeting the MGMT repair protein: augmented expression in human lymphocytes and tumor cells by ethanolic and aqueous extracts of several Indian medicinal plants. <b>2006</b> , 29, 1269		5
30	Increased expression of the MGMT repair protein mediated by cysteine prodrugs and chemopreventative natural products in human lymphocytes and tumor cell lines. <i>Carcinogenesis</i> , <b>2007</b> , 28, 378-89	4.6	47
29	DNA Methylation Damage: Formation, Repair and Biological Consequences. <b>2007</b> , 99-121		2
28	Genetic variants in MGMT and risk of lung cancer in Southeastern Chinese: a haplotype-based analysis. <i>Human Mutation</i> , <b>2007</b> , 28, 431-40	4.7	43
27	Association of O6-methylguanine-DNA methyltransferase (MGMT) promoter methylation with p53 mutation occurrence in non-small cell lung cancer with different histology, gender, and smoking status. <i>Annals of Surgical Oncology</i> , <b>2008</b> , 15, 3272-7	3.1	43

26	DNA repair in mammalian cells: Direct DNA damage reversal: elegant solutions for nasty problems. <i>Cellular and Molecular Life Sciences</i> , <b>2009</b> , 66, 968-80	10.3	49
25	Roles of polysaccharide from <i>Branchiostoma belcheri</i> in anti-DNA oxidation and anti-tumor activity in S180 mice. <i>Chinese Journal of Oceanology and Limnology</i> , <b>2009</b> , 27, 845-850		1
24	S-nitrosylation from GSNOR deficiency impairs DNA repair and promotes hepatocarcinogenesis. <i>Science Translational Medicine</i> , <b>2010</b> , 2, 19ra13	17.5	105
23	BAX and tumor suppressor TRP53 are important in regulating mutagenesis in spermatogenic cells in mice. <i>Biology of Reproduction</i> , <b>2010</b> , 83, 979-87	3.9	18
22	O6-Alkylguanine-DNA Alkyltransferase. <b>2011</b> , 321-343		2
21	The biology of ageing. 21-47		14
20	The molecular basis for induction of human cancers by tobacco specific nitrosamines. <i>Regulatory Toxicology and Pharmacology</i> , <b>2011</b> , 60, 268-80	3.4	13
19	Age-related instability in spermatogenic cell nuclear and mitochondrial DNA obtained from Apex1 heterozygous mice. <i>Molecular Reproduction and Development</i> , <b>2011</b> , 78, 906-19	2.6	13
18	Balancing repair and tolerance of DNA damage caused by alkylating agents. <i>Nature Reviews Cancer</i> , <b>2012</b> , 12, 104-20	31.3	585
17	Using mice to unveil the genetics of cancer resistance. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , <b>2012</b> , 1826, 312-30	11.2	
16	Human O6 -methylguanine-DNA methyltransferase containing C145A does not prevent hepatocellular carcinoma in C3HeB/FeJ transgenic mice. <i>Molecular Carcinogenesis</i> , <b>2013</b> , 52, 275-85	5	1
15	S-nitrosoglutathione reductase deficiency increases mutagenesis from alkylation in mouse liver. <i>Carcinogenesis</i> , <b>2013</b> , 34, 984-9	4.6	9
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13	Repair of endogenous DNA base lesions modulate lifespan in mice. <i>DNA Repair</i> , <b>2014</b> , 21, 78-86	4.3	8
12	Genetic Association Between Angiotensinogen Polymorphisms and Lung Cancer Risk. <i>Medicine (United States)</i> , <b>2015</b> , 94, e1250	1.8	11
11	Manipulation of DNA Repair Proficiency in Mouse Models of Colorectal Cancer. <i>BioMed Research International</i> , <b>2016</b> , 2016, 1414383	3	4
10	DNA Alkylating Agent Protects Against Spontaneous Hepatocellular Carcinoma Regardless of O6-Methylguanine-DNA Methyltransferase Status. <i>Cancer Prevention Research</i> , <b>2016</b> , 9, 245-52	3.2	4
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8	Alkylating-Agent Cytotoxicity Associated with O 6-Methylguanine. <b>2018</b> , 427-431		1
7	An intronic genetic variation of affects enhancer activity and is associated with glioma susceptibility. <i>Cancer Management and Research</i> , <b>2018</b> , 10, 3995-4003	3.6	1
6	An insertion variant of MGMT disrupts a STAT1 binding site and confers susceptibility to glioma. <i>Cancer Cell International</i> , <b>2021</b> , 21, 506	6.4	0
5	TGF- $\beta$ signaling is often attenuated during hepatotumorigenesis, but is retained for the malignancy of hepatocellular carcinoma cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e63436	3.7	22
4	Overexpression of AGT promotes bronchopulmonary dysplasia via the JAK/STAT signal pathway. <i>Oncotarget</i> , <b>2017</b> , 8, 96079-96088	3.3	7
3	Liver and biliary tract. <i>Current Opinion in Gastroenterology</i> , <b>2002</b> , 18, 287-289	3	
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1	DNA direct repair pathways in cancer. <i>AIMS Medical Science</i> , <b>2018</b> , 5, 284-302	0.4	