Igor P Pogribny

List of Publications by Year
in descending order

146	10,476	31976	34986
papers	citations	53 h-index	98 g-index

148	148	148	12770
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Epigenetic alterations induced by genotoxic occupational and environmental human chemical carcinogens: An update of a systematic literature review. Mutation Research - Reviews in Mutation Research, 2022, 789, 108408.	5.5	10
2	Non-alcoholic fatty liver disease-associated DNA methylation and gene expression alterations in the livers of Collaborative Cross mice fed an obesogenic high-fat and high-sucrose diet. Epigenetics, 2022, 17, 1462-1476.	2.7	5
3	Epigenetic changes induced in mice liver by methionine-supplemented and methionine-deficient diets. Food and Chemical Toxicology, 2022, 163, 112938.	3.6	3
4	Lipidomic profiling of the hepatic esterified fatty acid composition in diet-induced nonalcoholic fatty liver disease in genetically diverse Collaborative Cross mice. Journal of Nutritional Biochemistry, 2022, 109, 109108.	4.2	3
5	Butyrate-containing structured lipids act on HDAC4, HDAC6, DNA damage and telomerase activity during promotion of experimental hepatocarcinogenesis. Carcinogenesis, 2021, 42, 1026-1036.	2.8	4
6	Epigenetic effects of low-level sodium arsenite exposure on human liver HepaRG cells. Archives of Toxicology, 2020, 94, 3993-4005.	4.2	15
7	Butyrate-containing structured lipids inhibit RAC1 and epithelial-to-mesenchymal transition markers: a chemopreventive mechanism against hepatocarcinogenesis. Journal of Nutritional Biochemistry, 2020, 86, 108496.	4.2	8
8	Characterization of the variability in the extent of nonalcoholic fatty liver induced by a highâ€fat diet in the genetically diverse Collaborative Cross mouse model. FASEB Journal, 2020, 34, 7773-7785.	0.5	19
9	Gene expression and cytosine DNA methylation alterations in induced pluripotent stem-cell-derived human hepatocytes treated with low doses of chemical carcinogens. Archives of Toxicology, 2019, 93, 3335-3344.	4.2	11
10	Gene Expression and DNA Methylation Alterations in the Glycine N-Methyltransferase Gene in Diet-Induced Nonalcoholic Fatty Liver Disease-Associated Carcinogenesis. Toxicological Sciences, 2019, 170, 273-282.	3.1	28
11	Gene Expression and DNA Methylation Alterations During Non-alcoholic Steatohepatitis-Associated Liver Carcinogenesis. Frontiers in Genetics, 2019, 10, 486.	2.3	26
12	Population-Based Analysis of DNA Damage and Epigenetic Effects of 1,3-Butadiene in the Mouse. Chemical Research in Toxicology, 2019, 32, 887-898.	3.3	14
13	Epigenetics of Dietary Methyl-Group Donor Deficiency and Liver Cancer. , 2019, , 1023-1038.		0
14	Quantitative comparison of in vitro genotoxicity between metabolically competent HepaRG cells and HepG2 cells using the high-throughput high-content CometChip assay. Archives of Toxicology, 2019, 93, 1433-1448.	4.2	34
15	Genotoxic and Epigenotoxic Alterations in the Lung and Liver of Mice Induced by Acrylamide: A 28 Day Drinking Water Study. Chemical Research in Toxicology, 2019, 32, 869-877.	3.3	27
16	Sex-specific differences in genotoxic and epigenetic effects of 1,3-butadiene among mouse tissues. Archives of Toxicology, 2019, 93, 791-800.	4.2	13
17	Identification of chromatinâ€accessible domains in nonâ€alcoholic steatohepatitisâ€derived hepatocellular carcinoma. Molecular Carcinogenesis, 2018, 57, 978-987.	2.7	22
18	Cellular and Molecular Effects of Prolonged Low-Level Sodium Arsenite Exposure on Human Hepatic HepaRG Cells. Toxicological Sciences, 2018, 162, 676-687.	3.1	18

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19	MicroRNAs as biomarkers for clinical studies. Experimental Biology and Medicine, 2018, 243, 283-290.	2.4	75
20	Epigenetically mediated inhibition of Sâ€adenosylhomocysteine hydrolase and the associated dysregulation of 1â€carbon metabolism in nonalcoholic steatohepatitis and hepatocellular carcinoma. FASEB Journal, 2018, 32, 1591-1601.	0.5	23
21	Effect of aflatoxin B1, benzo[a]pyrene, and methapyrilene on transcriptomic and epigenetic alterations in human liver HepaRG cells. Food and Chemical Toxicology, 2018, 121, 214-223.	3.6	27
22	Organ-specific epigenetic changes induced by the non-genotoxic liver carcinogen methapyrilene in Fischer 344 rats. Toxicological Sciences, 2017, 156, kfw242.	3.1	7
23	Furan-induced transcriptomic and gene-specific DNA methylation changes in the livers of Fischer 344 rats in a 2-year carcinogenicity study. Archives of Toxicology, 2017, 91, 1233-1243.	4.2	30
24	Nonalcoholic Fatty Liver Disease Is a Susceptibility Factor for Perchloroethylene-Induced Liver Effects in Mice. Toxicological Sciences, 2017, 159, 102-113.	3.1	12
25	Inhibition of the Cell Death Pathway in Nonalcoholic Steatohepatitis (NASH)-Related Hepatocarcinogenesis Is Associated with Histone H4 lysine 16 Deacetylation. Molecular Cancer Research, 2017, 15, 1163-1172.	3.4	40
26	miR-1247 blocks SOX9â€“mediated regeneration in alcohol- and fibrosis-associated acute kidney injury in mice. Toxicology, 2017, 384, 40-49.	4.2	12
27	Effect of methapyrilene hydrochloride on hepatic intracellular iron metabolism in vivo and in vitro. Toxicology Letters, 2017, 281, 65-73.	0.8	7
28	The role of epigenomic alterations in furan-induced hepatobiliary pathologies. Food and Chemical Toxicology, 2017, 109, 677-682.	3.6	18
29	Low dose assessment of the carcinogenicity of furan in male F344/N Nctr rats in a 2-year gavage study. Food and Chemical Toxicology, 2017, 99, 170-181.	3.6	44
30	Editorial overview of the special issue on genomic toxicology epigenetics. Current Opinion in Toxicology, 2017, 6, i-iii.	5.0	1
31	Environmental Exposures and Epigenetic Perturbations. , 2017, , 574-574.		4
32	Chemo brain or tumor brain - that is the question: the presence of extracranial tumors profoundly affects molecular processes in the prefrontal cortex of TumorGraft mice. Aging, 2017, 9, 1660-1676.	3.1	9
33	Epigenetics of Dietary Methyl-Group Donor Deficiency and Liver Cancer. , 2017, , 1-16.		1
34	MicroRNA deregulation in nonalcoholic steatohepatitis-associated liver carcinogenesis. Oncotarget, 2017, 8, 88517-88528.	1.8	46
35	Differentially expressed MicroRNAs provide mechanistic insight into fibrosis-associated liver carcinogenesis in mice. Molecular Carcinogenesis, 2016, 55, 808-817.	2.7	11
36	Epigenetic alterations induced by genotoxic occupational and environmental human chemical carcinogens: A systematic literature review. Mutation Research - Reviews in Mutation Research, 2016, 768, 27-45.	5.5	137

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37	Irreversible down-regulation of miR-375 in the livers of Fischer 344 rats after chronic furan exposure. Food and Chemical Toxicology, 2016, 98, 2-10.	3.6	18
38	New insights into the molecular mechanisms of chemical carcinogenesis: In vivo adduction of histone H2B by a reactive metabolite of the chemical carcinogen furan. Toxicology Letters, 2016, 264, 106-113.	0.8	26
39	Status of hepatic DNA methylome predetermines and modulates the severity of non-alcoholic fatty liver injury in mice. BMC Genomics, 2016, 17, 298.	2.8	32
40	Nutritional Epigenetics and the Prevention of Hepatocellular Carcinoma with Bioactive Food Constituents. Nutrition and Cancer, 2016, 68, 719-733.	2.0	19
41	The chemopreventive activity of butyrateâ€containing structured lipids in experimental rat hepatocarcinogenesis. Molecular Nutrition and Food Research, 2016, 60, 420-429.	3.3	13
42	MicroRNA Responses to the Genotoxic Carcinogens Aflatoxin B₁and Benzo[a]pyrene in Human HepaRG Cells. Toxicological Sciences, 2016, 149, 496-502.	3.1	37
43	The role of microRNAs in the development and progression of chemical-associated cancers. Toxicology and Applied Pharmacology, 2016, 312, 3-10.	2.8	20
44	MicroRNA changes, activation of progenitor cells and severity of liver injury in mice induced by choline and folate deficiency. Journal of Nutritional Biochemistry, 2016, 28, 83-90.	4.2	24
45	Sex-specific effects of cytotoxic chemotherapy agents cyclophospha-mide and mitomycin C on gene expression, oxidative DNA damage, and epigenetic alterations in the prefrontal cortex and hippocampus â€“ an aging connection. Aging, 2016, 8, 697-708.	3.1	23
46	Suppressing activity of tributyrin on hepatocarcinogenesis is associated with inhibiting the p53-CRM1 interaction and changing the cellular compartmentalization of p53 protein. Oncotarget, 2016, 7, 24339-24347.	1.8	14
47	Antiproliferative and proapoptotic effects of a pyrrole containing arylthioindole in human Jurkat leukemia cell line and multidrug-resistant Jurkat/A4 cells. Cancer Biology and Therapy, 2015, 16, 1820-1829.	3.4	6
48	Effects of oral exposure to bisphenol A on gene expression and global genomic DNA methylation in the prostate, female mammary gland, and uterus of NCTR Sprague-Dawley rats. Food and Chemical Toxicology, 2015, 81, 92-103.	3.6	18
49	Persistence of Furan-Induced Epigenetic Aberrations in the Livers of F344 Rats. Toxicological Sciences, 2015, 144, 217-226.	3.1	27
50	Considering Maternal Dietary Modulators for Epigenetic Regulation and Programming of the Fetal Epigenome. Nutrients, 2015, 7, 2748-2770.	4.1	106
51	The role for microRNAs in drug toxicity and in safety assessment. Expert Opinion on Drug Metabolism and Toxicology, 2015, 11, 601-611.	3.3	33
52	MicroRNA hsa-miR-29a-3p modulates CYP2C19 in human liver cells. Biochemical Pharmacology, 2015, 98, 215-223.	4.4	51
53	Cerebellar Oxidative DNA Damage and Altered DNA Methylation in the BTBR T+tf/J Mouse Model of Autism and Similarities with Human Post Mortem Cerebellum. PLoS ONE, 2014, 9, e113712.	2.5	75
54	Epigenetic Events Determine Tissue-Specific Toxicity of Inhalational Exposure to the Genotoxic Chemical 1,3-Butadiene in Male C57BL/6J Mice. Toxicological Sciences, 2014, 142, 375-384.	3.1	27

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55	The DEN and CCl₄â€induced Mouse Model of Fibrosis and Inflammationâ€Associated Hepatocellular Carcinoma. Current Protocols in Pharmacology, 2014, 66, 14.30.1-10.	4.0	109
56	Noncoding RNA response to xenobiotic exposure: an indicator of toxicity and carcinogenicity. Expert Opinion on Drug Metabolism and Toxicology, 2014, 10, 1409-1422.	3.3	35
57	Transcriptomic responses provide a new mechanistic basis for the chemopreventive effects of folic acid and tributyrin in rat liver carcinogenesis. International Journal of Cancer, 2014, 135, 7-18.	5.1	20
58	Effect of methionineâ€deficient and methionineâ€supplemented diets on the hepatic oneâ€carbon and lipid metabolism in mice. Molecular Nutrition and Food Research, 2014, 58, 1502-1512.	3.3	39
59	Interstrain differences in the progression of nonalcoholic steatohepatitis to fibrosis in mice are associated with altered hepatic iron metabolism. Journal of Nutritional Biochemistry, 2014, 25, 1235-1242.	4.2	21
60	Genotoxic, epigenetic, and transcriptomic effects of tamoxifen in mouse liver. Toxicology, 2014, 325, 12-20.	4.2	8
61	Genetic and epigenetic changes in fibrosisâ€associated hepatocarcinogenesis in mice. International Journal of Cancer, 2014, 134, 2778-2788.	5.1	39
62	Role of epigenetic aberrations in the development and progression of human hepatocellular carcinoma. Cancer Letters, 2014, 342, 223-230.	7.2	161
63	Role of epigenetic and miRâ€22 and miRâ€29b alterations in the downregulation of Mat1a and Mthfr genes in early preneoplastic livers in rats induced by 2â€acetylaminofluorene. Molecular Carcinogenesis, 2013, 52, 318-327.	2.7	36
64	Strainâ€dependent dysregulation of oneâ€carbon metabolism in male mice is associated with cholineâ€and folateâ€deficient dietâ€induced liver injury. FASEB Journal, 2013, 27, 2233-2243.	0.5	28
65	Molecular Mechanisms of Fibrosis-Associated Promotion of Liver Carcinogenesis. Toxicological Sciences, 2013, 132, 53-63.	3.1	84
66	The chemopreventive activity of the butyric acid prodrug tributyrin in experimental rat hepatocarcinogenesis is associated with p53 acetylation and activation of the p53 apoptotic signaling pathway. Carcinogenesis, 2013, 34, 1900-1906.	2.8	35
67	Environmental Toxicants, Epigenetics, and Cancer. Advances in Experimental Medicine and Biology, 2013, 754, 215-232.	1.6	99
68	Role of microRNAs in the regulation of drug metabolism and disposition genes in diabetes and liver disease. Expert Opinion on Drug Metabolism and Toxicology, 2013, 9, 713-724.	3.3	10
69	DNA methylome alterations in chemical carcinogenesis. Cancer Letters, 2013, 334, 39-45.	7.2	39
70	Iron metabolism disturbances in the MCF-7 human breast cancer cells with acquired resistance to doxorubicin and cisplatin. International Journal of Oncology, 2013, 43, 1481-1486.	3.3	55
71	Modulation of intracellular iron metabolism by iron chelation affects chromatin remodeling proteins and corresponding epigenetic modifications in breast cancer cells and increases their sensitivity to chemotherapeutic agents. International Journal of Oncology, 2013, 42, 1822-1832.	3.3	47
72	Interstrain differences in the severity of liver injury induced by a cholineâ€and folateâ€deficient diet in mice are associated with dysregulation of genes involved in lipid metabolism. FASEB Journal, 2012, 26, 4592-4602.	0.5	49

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73	Role of microRNAs in the regulation of drug metabolizing and transporting genes and the response to environmental toxicants. Expert Opinion on Drug Metabolism and Toxicology, 2012, 8, 597-606.	3.3	28
74	Alterations in Histone H4 Lysine 20 Methylation: Implications for Cancer Detection and Prevention. Antioxidants and Redox Signaling, 2012, 17, 365-374.	5.4	18
75	Modifying metabolically sensitive histone marks by inhibiting glutamine metabolism affects gene expression and alters cancer cell phenotype. Epigenetics, 2012, 7, 1413-1420.	2.7	75
76	Interstrain differences in liver injury and one-carbon metabolism in alcohol-fed mice. Hepatology, 2012, 56, 130-139.	7.3	52
77	Tumorigenicity of acrylamide and its metabolite glycidamide in the neonatal mouse bioassay. International Journal of Cancer, 2012, 131, 2008-2015.	5.1	44
78	An in vitro investigation of metabolically sensitive biomarkers in breast cancer progression. Breast Cancer Research and Treatment, 2012, 133, 959-968.	2.5	56
79	Plasma microRNAs are sensitive indicators of inter-strain differences in the severity of liver injury induced in mice by a choline- and folate-deficient diet. Toxicology and Applied Pharmacology, 2012, 262, 52-59.	2.8	98
80	Molecular alterations in hepatocarcinogenesis induced by dietary methyl deficiency. Molecular Nutrition and Food Research, 2012, 56, 116-125.	3.3	62
81	Role of epigenetic events in chemical carcinogenesisâ€"a justification for incorporating epigenetic evaluations in cancer risk assessment. Toxicology Mechanisms and Methods, 2011, 21, 289-297.	2.7	70
82	The role of epigenetic events in genotoxic hepatocarcinogenesis induced by 2-acetylaminofluorene. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2011, 722, 106-113.	1.7	26
83	Small molecules with big effects: The role of the microRNAome in cancer and carcinogenesis. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2011, 722, 94-105.	1.7	110
84	Role of ferritin alterations in human breast cancer cells. Breast Cancer Research and Treatment, 2011, 126, 63-71.	2.5	166
85	MicroRNA-mediated drug resistance in breast cancer. Clinical Epigenetics, 2011, 2, 171-185.	4.1	156
86	Coupling global methylation and gene expression profiles reveal key pathophysiological events in liver injury induced by a methylâ€deficient diet. Molecular Nutrition and Food Research, 2011, 55, 411-418.	3.3	74
87	Chronic Administration of 2-Acetylaminofluorene Alters the Cellular Iron Metabolism in Rat Liver. Toxicological Sciences, 2011, 123, 433-440.	3.1	9
88	Interstrain Differences in the Liver Effects of Trichloroethylene in a Multistrain Panel of Inbred Mice. Toxicological Sciences, 2011, 120, 206-217.	3.1	49
89	Epigenetic Alterations in Liver of C57BL/6J Mice after Short-Term Inhalational Exposure to 1,3-Butadiene. Environmental Health Perspectives, 2011, 119, 635-640.	6.0	43
90	Epigenetic Mechanisms of Mouse Interstrain Variability in Genotoxicity of the Environmental Toxicant 1,3-Butadiene. Toxicological Sciences, 2011, 122, 448-456.	3.1	48

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91	Imbalance between apoptosis and cell proliferation during early stages of mammary gland carcinogenesis in ACI ratsâ¯†. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 694, 1-6.	1.0	7
92	Comparative analysis of promoter methylation and gene expression endpoints between tumorous and non-tumorous tissues from HCV-positive patients with hepatocellular carcinoma. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 692, 26-33.	1.0	45
93	Eâ€cadherin transcriptional downâ€regulation by epigenetic and microRNAâ€200 family alterations is related to mesenchymal and drugâ€resistant phenotypes in human breast cancer cells. International Journal of Cancer, 2010, 126, 2575-2583.	5.1	186
94	Alterations of microRNAs and their targets are associated with acquired resistance of MCFâ€7 breast cancer cells to cisplatin. International Journal of Cancer, 2010, 127, 1785-1794.	5.1	301
95	Difference in expression of hepatic microRNAs miR-29c, miR-34a, miR-155, and miR-200b is associated with strain-specific susceptibility to dietary nonalcoholic steatohepatitis in mice. Laboratory Investigation, 2010, 90, 1437-1446.	3.7	165
96	Mechanisms of epigenetic silencing of the Rassf1a gene during estrogen-induced breast carcinogenesis in ACI rats. Carcinogenesis, 2010, 31, 376-381.	2.8	28
97	Dietary Methyl Deficiency, microRNA Expression and Susceptibility to Liver Carcinogenesis. Journal of Nutrigenetics and Nutrigenomics, 2010, 3, 259-266.	1.3	8
98	Ferroportin and hepcidin: a new hope in diagnosis, prognosis, and therapy for breast cancer. Breast Cancer Research, 2010, 12, 314.	5.0	14
99	Dietary Methyl Deficiency, microRNA Expression and Susceptibility to Liver Carcinogenesis. World Review of Nutrition and Dietetics, 2010, 101, 123-130.	0.3	11
100	Age-Related Genomic Hypomethylation. , 2010, , 11-27.		18
101	Epigenetic events in tumorigenesis: putting the pieces together. Experimental Oncology, 2010, 32, 132-6.	0.1	32
102	Genomic instability induced by heat-inactivated bacteria: Implication to tumorigenesis. Cell Cycle, 2009, 8, 1979-1983.	2.6	0
103	Role of DNA damage and alterations in cytosine DNA methylation in rat liver carcinogenesis induced by a methyl-deficient diet. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 669, 56-62.	1.0	46
104	The tumor-promoting activity of 2-acetylaminofluorene is associated with disruption of the p53 signaling pathway and the balance between apoptosis and cell proliferationâ¯†. Toxicology and Applied Pharmacology, 2009, 235, 305-311.	2.8	68
105	Downâ€regulation of the microRNAs miRâ€34a, miRâ€127, and miRâ€200b in rat liver during hepatocarcinogenesis induced by a methylâ€deficient diet. Molecular Carcinogenesis, 2009, 48, 479-487.	2.7	141
106	DNA hypomethylation in the origin and pathogenesis of human diseases. Cellular and Molecular Life Sciences, 2009, 66, 2249-2261.	5.4	187
107	Hepatic epigenetic phenotype predetermines individual susceptibility to hepatic steatosis in mice fed a lipogenic methyl-deficient diet. Journal of Hepatology, 2009, 51, 176-186.	3.7	161
108	MicroRNA dysregulation during chemical carcinogenesis. Epigenomics, 2009, 1, 281-290.	2.1	20

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109	Genomic instability induced by heat-inactivated bacteria: implication to tumorigenesis. Cell Cycle, 2009, 8, 1983.	2.6	0
110	Epigenetic aspects of genotoxic and nonâ€genotoxic hepatocarcinogenesis: Studies in rodents. Environmental and Molecular Mutagenesis, 2008, 49, 9-15.	2.2	47
111	In Vivo Bystander Effect: Cranial X-Irradiation Leads to Elevated DNA Damage, Altered Cellular Proliferation and Apoptosis, and Increased p53 Levels in Shielded Spleen. International Journal of Radiation Oncology Biology Physics, 2008, 70, 554-562.	0.8	103
112	Involvement of microRNA-451 in resistance of the MCF-7 breast cancer cells to chemotherapeutic drug doxorubicin. Molecular Cancer Therapeutics, 2008, 7, 2152-2159.	4.1	580
113	Epigenetic alterations in the brains of Fisher 344 rats induced by long-term administration of folate/methyl-deficient diet. Brain Research, 2008, 1237, 25-34.	2.2	102
114	Mechanisms of peroxisome proliferator-induced DNA hypomethylation in rat liverâ˜†. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2008, 644, 17-23.	1.0	48
115	Differential expression of microRNAs during hepatocarcinogenesis induced by methyl deficiency in rats. Nutrition Reviews, 2008, 66, S33-S35.	5.8	21
116	Genetic and epigenetic changes in rat preneoplastic liver tissue induced by 2-acetylaminofluorene. Carcinogenesis, 2008, 29, 638-646.	2.8	67
117	Epigenetic down-regulation of the suppressor of cytokine signaling 1 (Socs1) gene is associated with the STAT3 activation and development of hepatocellular carcinoma induced by methyl-deficiency in rats. Cell Cycle, 2008, 7, 3202-3210.	2.6	36
118	Estrogen-Induced Rat Breast Carcinogenesis is Characterized by Alterations in DNA Methylation, Histone Modifications, and Aberrant microRNA Expression. Cell Cycle, 2007, 6, 2010-2018.	2.6	106
119	Role of epigenetic effectors in maintenance of the long-term persistent bystander effect in spleen in vivo. Carcinogenesis, 2007, 28, 1831-1838.	2.8	170
120	Epigenetic profiling of multidrug-resistant human MCF-7 breast adenocarcinoma cells reveals novel hyper- and hypomethylated targets. Molecular Cancer Therapeutics, 2007, 6, 1089-1098.	4.1	107
121	Methyl Deficiency, Alterations in Global Histone Modifications, and Carcinogenesis. Journal of Nutrition, 2007, 137, 216S-222S.	2.9	102
122	Epigenetic reprogramming of liver cells in tamoxifen-induced rat hepatocarcinogenesis. Molecular Carcinogenesis, 2007, 46, 187-197.	2.7	47
123	Gene expression profiling reveals underlying molecular mechanisms of the early stages of tamoxifen-induced rat hepatocarcinogenesisâ˜†. Toxicology and Applied Pharmacology, 2007, 225, 61-69.	2.8	26
124	Induction of microRNAome deregulation in rat liver by long-term tamoxifen exposure. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2007, 619, 30-37.	1.0	126
125	Epigenetic effects of the continuous exposure to peroxisome proliferator WY-14,643 in mouse liver are dependent upon peroxisome proliferator activated receptor Î±. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2007, 625, 62-71.	1.0	40
126	A Folate- and Methyl-Deficient Diet Alters the Expression of DNA Methyltransferases and Methyl CpG Binding Proteins Involved in Epigenetic Gene Silencing in Livers of F344 Rats. Journal of Nutrition, 2006, 136, 1522-1527.	2.9	182

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127	Identification of differentially methylated sites within unmethylated DNA domains in normal and cancer cells. Analytical Biochemistry, 2006, 356, 202-207.	2.4	20
128	Irreversible global DNA hypomethylation as a key step in hepatocarcinogenesis induced by dietary methyl deficiency. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2006, 593, 80-87.	1.0	167
129	Downregulation of miRâ€122 in the rodent and human hepatocellular carcinomas. Journal of Cellular Biochemistry, 2006, 99, 671-678.	2.6	575
130	Loss of DNA methylation and histone H4 lysine 20 trimethylation in human breast cancer cells is associated with aberrant expression of DNA methyltransferase 1, Suv4-20h2 histone methyltransferase and methyl-binding proteins. Cancer Biology and Therapy, 2006, 5, 65-70.	3.4	138
131	Histone H3 lysine 9 and H4 lysine 20 trimethylation and the expression of Suv4-20h2 and Suv-39h1 histone methyltransferases in hepatocarcinogenesis induced by methyl deficiency in rats. Carcinogenesis, 2006, 27, 1180-1186.	2.8	142
132	Fractionated Low-Dose Radiation Exposure Leads to Accumulation of DNA Damage and Profound Alterations in DNA and Histone Methylation in the Murine Thymus. Molecular Cancer Research, 2005, 3, 553-561.	3.4	150
133	Effect of long-term tamoxifen exposure on genotoxic and epigenetic changes in rat liver: implications for tamoxifen-induced hepatocarcinogenesis. Carcinogenesis, 2005, 27, 1713-1720.	2.8	75
134	S-adenosylhomocysteine hydrolase deficiency in a human: A genetic disorder of methionine metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4234-4239.	7.1	201
135	Genomic hypomethylation is specific for preneoplastic liver in folate/methyl deficient rats and does not occur in non-target tissues. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2004, 548, 53-59.	1.0	112
136	Betaine rescue of an animal model with methylenetetrahydrofolate reductase deficiency. Biochemical Journal, 2004, 382, 831-840.	3.7	62
137	Betaine rescue of an animal model with methylenetetrahydrofolate reductase deficiency. Biochemical Journal, 2004, 382, 831.	3.7	68
138	Impact of Dnmt1 deficiency, with and without low folate diets, on tumor numbers and DNA methylation in Min mice. Carcinogenesis, 2003, 24, 39-45.	2.8	65
139	Mechanisms of DNA Damage, DNA Hypomethylation, and Tumor Progression in the Folate/Methyl-Deficient Rat Model of Hepatocarcinogenesis. Journal of Nutrition, 2003, 133, 3740S-3747S.	2.9	175
140	De novo methylation of the p16INK4A gene in early preneoplastic liver and tumors induced by folate/methyl deficiency in rats. Cancer Letters, 2002, 187, 69-75.	7.2	86
141	Elevation in S-Adenosylhomocysteine and DNA Hypomethylation: Potential Epigenetic Mechanism for Homocysteine-Related Pathology. Journal of Nutrition, 2002, 132, 2361S-2366S.	2.9	304
142	Intracellular S-Adenosylhomocysteine Concentrations Predict Global DNA Hypomethylation in Tissues of Methyl-Deficient Cystathionine Î²-Synthase Heterozygous Mice. Journal of Nutrition, 2001, 131, 2811-2818.	2.9	271
143	Measurement of Plasma and Intracellular S-Adenosylmethionine and S-Adenosylhomocysteine Utilizing Coulometric Electrochemical Detection: Alterations with Plasma Homocysteine and Pyridoxal 5â€²-Phosphate Concentrations. Clinical Chemistry, 2000, 46, 265-272.	3.2	198
144	Increase in Plasma Homocysteine Associated with Parallel Increases in Plasma S-Adenosylhomocysteine and Lymphocyte DNA Hypomethylation. Journal of Biological Chemistry, 2000, 275, 29318-29323.	3.4	557

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145	A Sensitive New Method for Rapid Detection of Abnormal Methylation Patterns in Global DNA and within CpG Islands. Biochemical and Biophysical Research Communications, 1999, 262, 624-628.	2.1	179
146	Alterations in hepatic p53 gene methylation patterns during tumor progression with folate/methyl deficiency in the rat. Cancer Letters, 1997, 115, 31-38.	7.2	145