Frederick A Beland

List of Publications by Year
in descending order

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350 papers	15,843 citations	15504 65 h-index	31849 101 g-index
359 all docs	359 docs citations	359 times ranked	11726 citing authors

#	Article	IF	Citations
1	An Evaluation of the Biological and Toxicological Properties ofAloe Barbadensis(Miller), Aloe Vera. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2006, 24, 103-154.	2.9	398
2	Malachite Green: A Toxicological Review. Journal of the American College of Toxicology, 1996, 15, 219-238.	0.2	370
3	Benzo[a]pyrene-nucleic acid derivative found in vivo: structure of a benzo[a]pyrenetetrahydrodiol epoxide-guanosine adduct. Journal of the American Chemical Society, 1976, 98, 5714-5715.	13.7	299
4	DNA Adduct Formation from Acrylamide via Conversion To Glycidamide in Adult and Neonatal Mice. Chemical Research in Toxicology, 2003, 16, 1328-1337.	3.3	245
5	A comparison of the tumors induced by coal tar and benzo[a]pyrene in a 2-year bioassay. Carcinogenesis, 1998, 19, 117-124.	2.8	237
6	Formation and persistence of arylamine DNA adducts in vivo.. Environmental Health Perspectives, 1985, 62, 19-30.	6.0	218
7	Arylamine-DNA adducts in vitro and in vivo: their role in bacterial mutagenesis and urinary bladder carcinogenesis. Environmental Health Perspectives, 1983, 49, 125-134.	6.0	189
8	DNA hypomethylation in the origin and pathogenesis of human diseases. Cellular and Molecular Life Sciences, 2009, 66, 2249-2261.	5.4	187
9	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
10	Nucleoside adducts from the in vitro reaction of benzo[a]pyrene-7,8-dihydrodiol 9,10-oxide or benzo[a]pyrene 4,5-oxide with nucleic acids. Biochemistry, 1977, 16, 932-938.	2.5	177
11	DNA adduct measurements and tumor incidence during chronic carcinogen exposure in animal models: implications for DNA adduct-based human cancer risk assessment. Chemical Research in Toxicology, 1992, 5, 749-755.	3.3	169
12	Role of ferritin alterations in human breast cancer cells. Breast Cancer Research and Treatment, 2011, 126, 63-71.	2.5	166
13	DNA adducts derived from administration of acrylamide and glycidamide to mice and rats. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2005, 580, 131-141.	1.7	165
14	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
15	Occurrence, Efficacy, Metabolism, and Toxicity of Triclosan. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2010, 28, 147-171.	2.9	165
16	Tumorigenicity of nitrated derivatives of pyrene, benz[a]anthracene, chrysene and benzo[a]pyrene in the newborn mouse assay. Carcinogenesis, 1986, 7, 1317-1322.	2.8	162
17	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
18	Toxicity and metabolism of malachite green and leucomalachite green during short-term feeding to Fischer 344 rats and B6C3F1 mice. Chemico-Biological Interactions, 1999, 122, 153-170.	4.0	160

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19	Rapid isolation of carcinogen-bound DNA and RNA by hydroxyapatite chromatography. Journal of Chromatography A, 1979, 174, 177-186.	3.7	159
20	(+/-)-7alpha,8beta-dihydroxy-9beta,10beta-epoxy-7,8,9,10-tetrahydrobenzo(a)-pyrene is an intermediate in the metabolism and binding to DNA of benzo(a)pyrene.. Proceedings of the National Academy of Sciences of the United States of America, 1976, 73, 2679-2681.	7.1	157
21	MicroRNA-mediated drug resistance in breast cancer. Clinical Epigenetics, 2011, 2, 171-185.	4.1	156
22	Metabolic Activation and DNA Adducts of Aromatic Amines and Nitroaromatic Hydrocarbons. Handbook of Experimental Pharmacology, 1990, , 267-325.	1.8	154
23	Formation of DNA adducts in vitro and in Salmonella typhimurium upon metabolic reduction of the environmental mutagen 1-nitropyrene. Cancer Research, 1983, 43, 2052-8.	0.9	145
24	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
25	Reduction of the carcinogen 1-nitropyrene to 1-aminopyrene by rat intestinal bacteria. Carcinogenesis, 1983, 4, 985-990.	2.8	134
26	The reaction of (Â±)-7Î±, 8Î²-dihydroxy-9Î², 10Î²-epoxy-7,8,9,10-tetrahydrobenzo(a)pyrene with dna. International Journal of Cancer, 1976, 18, 362-368.	5.1	130
27	Synthesis and Characterization of N-Demethylated Metabolites of Malachite Green and Leucomalachite Green. Chemical Research in Toxicology, 2003, 16, 285-294.	3.3	130
28	Effect of ethanol on the tumorigenicity of urethane (ethyl carbamate) in B6C3F1 mice. Food and Chemical Toxicology, 2005, 43, 1-19.	3.6	130
29	Carcinogenicity of malachite green chloride and leucomalachite green in B6C3F1 mice and F344 rats. Food and Chemical Toxicology, 2006, 44, 1204-1212.	3.6	129
30	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
31	Methods of DNA adduct determination and their application to testing compounds for genotoxicity. , 2000, 35, 222-233.		123
32	Sensitivity of the conformation of deoxyguanosine to bind ing at the C-8 position by N-acetylated and unacetylated 2-aminofluorene. Carcinogenesis, 1980, 1, 955-959.	2.8	111
33	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
34	In vitro reaction of the carcinogen, N-hydroxy-2-naphthylamine, with DNA at the C-8 and N2 atoms of guanine and at the N6 atom of adenine. Carcinogenesis, 1980, 1, 139-150.	2.8	104
35	The orientation of the nitro substituent predicts the direct-acting bacterial mutagenicity of nitrated polycyclic aromatic hydrocarbons. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1985, 143, 173-181.	1.1	104
36	High-Performance Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry for the Detection and Quantitation of Benzo[a]pyreneâ^'DNA Adducts. Chemical Research in Toxicology, 2005, 18, 1306-1315.	3.3	99

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37	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
38	Rapid isolation, hydrolysis and chromatography of formaldehyde-modified DNA. Biomedical Applications, 1984, 308, 121-131.	1.7	97
39	Carcinogenicity of acrylamide in B6C3F1 mice and F344/N rats from a 2-year drinking water exposure. Food and Chemical Toxicology, 2013, 51, 149-159.	3.6	97
40	NMR structural studies of a 15-mer DNA duplex from a ras protooncogene modified with the carcinogen 2-aminofluorene: conformational heterogeneity. Biochemistry, 1994, 33, 1373-1384.	2.5	96
41	4-Aminobiphenyl is a major etiological agent of human bladder cancer: evidence from its DNA binding spectrum in human p53 gene. Carcinogenesis, 2002, 23, 1721-1727.	2.8	92
42	Application of the key characteristics of carcinogens in cancer hazard identification. Carcinogenesis, 2018, 39, 614-622.	2.8	90
43	Effect of triclosan, triclocarban, 2,2â€²,4,4â€²-tetrabromodiphenyl ether, and bisphenol A on the iodide uptake, thyroid peroxidase activity, and expression of genes involved in thyroid hormone synthesis. Toxicology in Vitro, 2016, 32, 310-319.	2.4	89
44	Xanthine oxidase catalyzed binding of 1-nitropyrene to DNA. Biochemical and Biophysical Research Communications, 1982, 104, 727-732.	2.1	87
45	IARC Monographs: 40 Years of Evaluating Carcinogenic Hazards to Humans. Environmental Health Perspectives, 2015, 123, 507-514.	6.0	86
46	The binding of N-hydroxy-2-acetylaminofluorene to DNA and repair of the adducts in primary rat hepatocyte cultures. Carcinogenesis, 1981, 2, 97-102.	2.8	85
47	Role of sulfation in the formation of DNA adducts from N-hydroxy-2-acetylaminofluorene in rat liver in vivo. Inhibition of N-acetylated aminofluorene adduct formation by penta-chlorophenol. Carcinogenesis, 1981, 2, 413-416.	2.8	81
48	Genotoxicity of malachite green and leucomalachite green in female Big Blue B6C3F1 mice. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2004, 561, 127-138.	1.7	81
49	Quantification of Etheno-DNA Adducts Using Liquid Chromatography, On-Line Sample Processing, and Electrospray Tandem Mass Spectrometry. Chemical Research in Toxicology, 2000, 13, 1259-1264.	3.3	80
50	Mutagenicity and carcinogenicity in relation to DNA adduct formation in rats fed leucomalachite green. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2002, 506-507, 55-63.	1.0	80
51	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
52	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
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	1-nitrosopyrene: An intermediate in the metabolic activation of 1-nitropyrene to a mutagen in Salmonella typhimurium TA1538â˜†. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1985, 149, 25-32.	1.0	74

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55	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
56	Synthesis, Characterization, and Quantitation of a 4-Aminobiphenylâ˜'DNA Adduct Standard. Chemical Research in Toxicology, 1999, 12, 68-77.	3.3	73
57	DNA adducts formed from the probable proximate carcinogen, N-hydroxy-3,2â€² -dimethyl-4-aminobiphenyl, by acid catalysis or S-acetyl coenzyme A-dependent enzymatic esterification. Carcinogenesis, 1985, 6, 251-258.	2.8	72
58	Highly sensitive chemiluminescence immunoassay for benzo[a]pyrene-DNA adducts: validation by comparison with other methods, and use in human biomonitoring. Carcinogenesis, 2002, 23, 2043-2049.	2.8	72
59	DNA adducts formed by ring-oxidation of the carcinogen 2-naphthylamine with prostaglandin H synthase in vitro and in the dog urothelium in vivo. Carcinogenesis, 1985, 6, 1379-1387.	2.8	70
60	Comparison between DNA adduct formation and turmorigenesis in livers and bladders of mice chronically fed 2-acetylaminofluorence. Carcinogenesis, 1991, 12, 895-900.	2.8	70
61	Mutations induced by aromatic amine DNA adducts in pBR322. Carcinogenesis, 1994, 15, 889-899.	2.8	70
62	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
63	Clear Evidence of Carcinogenic Activity by a Whole-Leaf Extract of Aloe barbadensis Miller (Aloe vera) in F344/N Rats. Toxicological Sciences, 2013, 131, 26-39.	3.1	70
64	MicroRNA-152-mediated dysregulation of hepatic transferrin receptor 1 in liver carcinogenesis. Oncotarget, 2016, 7, 1276-1287.	1.8	70
65	NMR structural studies of a 15-mer DNA sequence from a ras protooncogene, modified at the first base of codon 61 with the carcinogen 4-aminobiphenyl. Biochemistry, 1992, 31, 9587-9602.	2.5	69
66	Metabolism of the mutagenic environmental pollutant, 6-nitrobenzo[a]pyrene: Metabolic activation via ring oxidation. Biochemical and Biophysical Research Communications, 1982, 105, 1037-1043.	2.1	68
67	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
68	Genetic and epigenetic changes in rat preneoplastic liver tissue induced by 2-acetylaminofluorene. Carcinogenesis, 2008, 29, 638-646.	2.8	67
69	Cytogenetic Damage Induced by Acrylamide and Glycidamide in Mammalian Cells: Correlation with Specific Glycidamide-DNA Adducts. Toxicological Sciences, 2006, 95, 383-390.	3.1	66
70	Chemical Properties of Ultimate Carcinogenic Metabolites of Arylamines and Arylamides. ACS Symposium Series, 1985, , 341-370.	0.5	65
71	The In Vitro Metabolic Activation of Nitro Polycyclic Aromatic Hydrocarbons. ACS Symposium Series, 1985, , 371-396.	0.5	65
72	DNA binding by 1-nitropyrene and 1,6-dinitropyrene in vitro and in vivo: effects of nitroreductase induction. Carcinogenesis, 1988, 9, 357-364.	2.8	65

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73	Determination of acrylamide and glycidamide serum toxicokinetics in B6C3F1 mice using LCâ€“ES/MS/MS. Cancer Letters, 2004, 207, 9-17.	7.2	65
74	High-Performance Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry for the Detection and Quantitation of Pyrrolizidine Alkaloid-Derived DNA Adducts in Vitro and in Vivo. Chemical Research in Toxicology, 2010, 23, 637-652.	3.3	65
75	Oxidative microsomal metabolism of 1-nitropyrene and DNA-binding of oxidized metabolites following nitroreduction. Carcinogenesis, 1986, 7, 1073-1079.	2.8	64
76	Persistence of DNA adducts in rat liver and kidney after multiple doses of the carcinogen N-hydroxy-2-acetylaminofluorene. Cancer Research, 1982, 42, 1348-54.	0.9	63
77	Aminofluorene-DNA adduct formation in Salmonella typhimurium exposed to the carcinogen N-hydroxy-2-acetylaminofluorene.. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 5175-5178.	7.1	62
78	Identification of tamoxifen-DNA adducts formed by 4-hydroxytamoxifen quinone methide. Carcinogenesis, 1997, 18, 1949-1954.	2.8	62
79	Molecular alterations in hepatocarcinogenesis induced by dietary methyl deficiency. Molecular Nutrition and Food Research, 2012, 56, 116-125.	3.3	62
80	Relationships between the DNA adducts and the mutations and sister-chromatid exchanges produced in Chinese hamster ovary cells by N-hydroxy-2-aminofluorene, N-hydroxy-Nâ€²-acetylbenzidine and 1-nitrosopyrene. Mutagenesis, 1986, 1, 201-206.	2.6	60
81	Electrochemical reduction and anaerobic degradation of lindane. Journal of Agricultural and Food Chemistry, 1976, 24, 753-756.	5.2	59
82	Long-Term Exposure to Zidovudine Delays Cell Cycle Progression, Induces Apoptosis, and Decreases Telomerase Activity in Human Hepatocytes. Toxicological Sciences, 2009, 111, 120-130.	3.1	59
83	Comparison of the in vitro and in vivo hepatic metabolism of the carcinogen 1-nitropyrene. Carcinogenesis, 1985, 6, 243-249.	2.8	58
84	Experimental and pan-cancer genome analyses reveal widespread contribution of acrylamide exposure to carcinogenesis in humans. Genome Research, 2019, 29, 521-531.	5.5	57
85	Synthesis and mutagenicity of 1-nitro-6-nitrosopyrene and 1-nitro-8-nitrosopyrene, potential intermediates in the metabolic activation of 1,6- and 1,8-dinitropyrene. Carcinogenesis, 1986, 7, 65-70.	2.8	56
86	Dose-Response Assessment of Nephrotoxicity from a 7-Day Combined Exposure to Melamine and Cyanuric Acid in F344 Rats. Toxicological Sciences, 2011, 119, 391-397.	3.1	56
87	An in vitro investigation of metabolically sensitive biomarkers in breast cancer progression. Breast Cancer Research and Treatment, 2012, 133, 959-968.	2.5	56
88	Acyltransferase-mediated binding of N-hydroxyarylamides to nucleic acids. Cancer Research, 1980, 40, 834-40.	0.9	56
89	Nanoscale ZnO Induces Cytotoxicity and DNA Damage in Human Cell Lines and Rat Primary Neuronal Cells. Journal of Nanoscience and Nanotechnology, 2012, 12, 2126-2135.	0.9	55
90	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

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91	Acetyl coenzyme A-dependent binding of carcinogenic and mutagenic dinitropyrenes to DNA. Carcinogenesis, 1985, 6, 941-944.	2.8	54
92	Formation of urothelial and hepatic DNA adducts from the carcinogen 2-naphthylamine. Carcinogenesis, 1981, 2, 467-470.	2.8	53
93	Oxidative stress related DNA adducts in the liver of female rats fed with sunflower-, rapeseed-, olive- or coconut oil supplemented diets. Chemico-Biological Interactions, 2006, 159, 81-89.	4.0	53
94	The Liver Toxicity Biomarker Study: Phase I Design and Preliminary Results. Toxicologic Pathology, 2009, 37, 52-64.	1.8	53
95	Characterization of DNA adducts of the carcinogen N-methyl-4-aminoazobenzene in vitro and in vivo. Chemico-Biological Interactions, 1980, 31, 1-17.	4.0	52
96	Structure of 7,12-dimethylbenz(a)anthracene-guanosine adducts.. Proceedings of the National Academy of Sciences of the United States of America, 1976, 73, 2311-2315.	7.1	51
97	DNA adduct formation, removal and persistance in rat liver during one month of feeding 2-acetylaminofluorene. Carcinogenesis, 1984, 5, 1591-1596.	2.8	51
98	Effect of Substitution Site upon the Oxidation Potentials of Alkylanilines, the Mutagenicities ofN-Hydroxyalkylanilines, and the Conformations of Alkylanilineâ^'DNA Adducts. Chemical Research in Toxicology, 1997, 10, 1266-1274.	3.3	51
99	Comparison of the DNA adducts formed by tamoxifen and 4-hydroxytamoxifen in vivo. Carcinogenesis, 1999, 20, 471-477.	2.8	51
100	Molecular orbital theoretical prediction of the isomeric products formed from reactions of arene oxides and related metabolites of polycyclic aromatic hydrocarbons. Tetrahedron, 1978, 34, 857-866.	1.9	50
101	Quantification of Multiple DNA Adducts Formed through Oxidative Stress Using Liquid Chromatography and Electrospray Tandem Mass Spectrometry. Chemical Research in Toxicology, 2002, 15, 1295-1301.	3.3	50
102	Cyclopenta-polycyclic aromatic hydrocarbons: Potential carcinogens and mutagens. Carcinogenesis, 1980, 1, 725-727.	2.8	49
103	Identification of glutathione conjugates formed from N-hydroxy-2-acetylaminofluorene in the rat. Chemico-Biological Interactions, 1982, 39, 149-168.	4.0	49
104	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
105	Computer-generated graphic models of the N2-substituted deoxyguanosine adducts of 2-acetylaminofluorene and benzo[a]pyrene and the O6-substituted deoxyguanosine adduct of 1-naphthylamine in the DNA double helix. Chemico-Biological Interactions, 1978, 22, 329-339.	4.0	48
106	DNA adduct formation and tumorigenesis in mice during the chronic administration of 4-aminobiphenyl at multiple dose levels. Carcinogenesis, 1995, 16, 2917-2921.	2.8	48
107	Epigenetic Mechanisms of Mouse Interstrain Variability in Genotoxicity of the Environmental Toxicant 1,3-Butadiene. Toxicological Sciences, 2011, 122, 448-456.	3.1	48
108	The reaction of 7,8-dihydro-7,8-dihydroxybenzo[a]pyrene-9,10-oxide with DNA in relation to the benzo[a]pyrene-DNA products isolated from cells. Chemico-Biological Interactions, 1976, 13, 343-348.	4.0	47

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109	Transformation of normal human skin fibroblasts by 1-nitropyrene and 6-nitrobenzo [a] pyrene. Carcinogenesis, 1983, 4, 353-355.	2.8	47
110	Formation and persistence of DNA adducts from the carcinogen N-hydroxy-2-acetylaminofluorene in rat mammary gland in vivo. Carcinogenesis, 1983, 4, 1067-1070.	2.8	47
111	Binding of N-acetylbenzidine and N,Nâ€²-diacetylbenzidine to hepatic DNA of rat and hamster in vivo and in vitro. Carcinogenesis, 1984, 5, 407-412.	2.8	47
112	DNA adduct formation and mutation induction by nitropyrenes in Salmonella and Chinese hamster ovary cells: relationships with nitroreduction and acetylation.. Environmental Health Perspectives, 1985, 62, 135-143.	6.0	47
113	Epigenetic reprogramming of liver cells in tamoxifen-induced rat hepatocarcinogenesis. Molecular Carcinogenesis, 2007, 46, 187-197.	2.7	47
114	Epigenetic aspects of genotoxic and nonâ€genotoxic hepatocarcinogenesis: Studies in rodents. Environmental and Molecular Mutagenesis, 2008, 49, 9-15.	2.2	47
115	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
116	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
117	Tumors and DNA adducts in mice exposed to benzo[a]pyrene and coal tars: implications for risk assessment.. Environmental Health Perspectives, 1998, 106, 1325-1330.	6.0	45
118	DNA adduct measurements, cell proliferation and tumor mutation induction in relation to tumor formation in B6C3F1 mice fed coal tar or benzo[a]pyrene. Carcinogenesis, 2000, 21, 1433-1440.	2.8	45
119	Acrolein- and 4-Aminobiphenyl-DNA adducts in human bladder mucosa and tumor tissue and their mutagenicity in human urothelial cells. Oncotarget, 2014, 5, 3526-3540.	1.8	45
120	Correlation of DNA adduct formation and riddelliine-induced liver tumorigenesis in F344 rats and B6C3F1 mice. Cancer Letters, 2003, 193, 119-125.	7.2	44
121	Tumorigenicity of acrylamide and its metabolite glycidamide in the neonatal mouse bioassay. International Journal of Cancer, 2012, 131, 2008-2015.	5.1	44
122	Absorption and metabolism of triclosan after application to the skin of <scp>B</scp>6<scp>C</scp>3<scp>F</scp>1 mice. Environmental Toxicology, 2016, 31, 609-623.	4.0	44
123	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
124	DNA adduct measurements and tumor incidence during chronic carcinogen exposure in rodents.. Environmental Health Perspectives, 1994, 102, 161-165.	6.0	43
125	Synthesis, Characterization, and Conformational Analysis of DNA Adducts from Methylated Anilines Present in Tobacco Smoke. Chemical Research in Toxicology, 1996, 9, 99-108.	3.3	43
126	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

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127	DNA adduct formation in target tissues of Sprague-Dawley rats, CD-1 mice and A/J mice following tumorigenic doses of 1-nitropyrene. Carcinogenesis, 1990, 11, 1705-1710.	2.8	42
128	Quantitative analysis of 4-aminobiphenyl-C8-deoxyguanosyl DNA adducts produced in vitro and in vivo using HPLCES-MS. Carcinogenesis, 1999, 20, 1055-1061.	2.8	42
129	N-Hydroxy-4-aminobiphenyl-DNA Binding in Humanp53Gene:Â Sequence Preference and the Effect of C5 Cytosine Methylationâ€. Biochemistry, 2002, 41, 6414-6421.	2.5	42
130	Protein Adducts As Prospective Biomarkers of Nevirapine Toxicity. Chemical Research in Toxicology, 2010, 23, 1714-1725.	3.3	42
131	Aerobic and anaerobic reduction of nitrated pyrenes in vitro. Chemico-Biological Interactions, 1986, 59, 309-324.	4.0	41
132	Effect of the nitro group conformation on the rat liver microsomal metabolism and bacterial mutagenicity of 2- and 9-nitroanthracene. Carcinogenesis, 1986, 7, 1819-1827.	2.8	41
133	Biphasic removal of DNA adducts in a repetitive DNA sequence after dietary administration of 2-acetylaminofluorene.. Environmental Health Perspectives, 1993, 99, 273-275.	6.0	41
134	Carcinogenicity of glycidamide in B6C3F1 mice and F344/N rats from a two-year drinking water exposure. Food and Chemical Toxicology, 2015, 86, 104-115.	3.6	41
135	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
136	DNA Adducts and Carcinogenesis. , 1989, , 57-80.		40
137	The isomeric 9,10-oxides of trans-7,8-dihydroxy-7,8-dihydrobenzo[a]pyrene. Journal of the Chemical Society Chemical Communications, 1976, , 84.	2.0	39
138	Electrospray Ionization-Tandem Mass Spectrometry and 32P-Postlabeling Analyses of Tamoxifen-DNA Adducts in Humans. Journal of the National Cancer Institute, 2004, 96, 1099-1104.	6.3	39
139	DNA methylome alterations in chemical carcinogenesis. Cancer Letters, 2013, 334, 39-45.	7.2	39
140	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
141	Genetic and epigenetic changes in fibrosisâ€associated hepatocarcinogenesis in mice. International Journal of Cancer, 2014, 134, 2778-2788.	5.1	39
142	Pyrrolizidine Alkaloid-Protein Adducts: Potential Non-invasive Biomarkers of Pyrrolizidine Alkaloid-Induced Liver Toxicity and Exposure. Chemical Research in Toxicology, 2016, 29, 1282-1292.	3.3	39
143	Significance of DNA adduct studies in animal models for cancer molecular dosimetry and risk assessment.. Environmental Health Perspectives, 1993, 99, 5-10.	6.0	38
144	Doseâ€“response assessment of nephrotoxicity from a twenty-eight-day combined-exposure to melamine and cyanuric acid in F344 rats. Toxicology and Applied Pharmacology, 2012, 262, 99-106.	2.8	38

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145	Quantitative Analysis of Etheno-2â€˜-Deoxycytidine DNA Adducts Using On-Line Immunoaffinity Chromatography Coupled With LC/ES-MS/MS Detection. Analytical Chemistry, 2001, 73, 303-309.	6.5	37
146	MicroRNA Responses to the Genotoxic Carcinogens Aflatoxin B₁and Benzo[a]pyrene in Human HepaRG Cells. Toxicological Sciences, 2016, 149, 496-502.	3.1	37
147	Cytochrome P450-mediated metabolism of triclosan attenuates its cytotoxicity in hepatic cells. Archives of Toxicology, 2017, 91, 2405-2423.	4.2	37
148	Formation of DNA adducts in vivo in rat liver and intestinal epithelium after administration of the carcinogen 3,2'-dimethyl-4-aminobiphenyl and its hydroxamic acid. Carcinogenesis, 1985, 6, 37-44.	2.8	36
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