William B Mattes

List of Publications by Year
in descending order

42 papers	1,915 citations	377584 21 h-index	340414 39 g-index
45 all docs	45 docs citations	45 times ranked	2367 citing authors

#	Article	IF	Citations
1	Nitrosative Stress and Lipid Homeostasis as a Mechanism for Zileuton Hepatotoxicity and Resistance in Genetically Sensitive Mice. Toxicological Sciences, 2020, 175, 220-235.	1.4	7
2	Recent advances in understanding the hepatotoxicity associated with protein kinase inhibitors. Expert Opinion on Drug Metabolism and Toxicology, 2020, 16, 217-226.	1.5	12
3	Cytotoxicity of 34 FDA approved small-molecule kinase inhibitors in primary rat and human hepatocytes. Toxicology Letters, 2018, 291, 138-148.	0.4	24
4	Multiple microRNAs function as self-protective modules in acetaminophen-induced hepatotoxicity in humans. Archives of Toxicology, 2018, 92, 845-858.	1.9	42
5	Regulatory landscapes for biomarkers and diagnostic tests: Qualification, approval, and role in clinical practice. Experimental Biology and Medicine, 2018, 243, 256-261.	1.1	17
6	Effects of 31 FDA approved small-molecule kinase inhibitors on isolated rat liver mitochondria. Archives of Toxicology, 2017, 91, 2921-2938.	1.9	68
7	The Promise of New Technologies to Reduce, Refine, or Replace Animal Use while Reducing Risks of Drug Induced Liver Injury in Pharmaceutical Development. ILAR Journal, 2016, 57, 186-211.	1.8	35
8	Circulating mitochondrial biomarkers for drug-induced liver injury. Biomarkers in Medicine, 2015, 9, 1215-1223.	0.6	13
9	Translating extracellular microRNA into clinical biomarkers for drug-induced toxicity: from high-throughput profiling to validation. Biomarkers in Medicine, 2015, 9, 1177-1188.	0.6	23
10	Potential of extracellular microRNAs as biomarkers of acetaminophen toxicity in children. Toxicology and Applied Pharmacology, 2015, 284, 180-187.	1.3	73
11	Regorafenib impairs mitochondrial functions, activates AMP-activated protein kinase, induces autophagy, and causes rat hepatocyte necrosis. Toxicology, 2015, 327, 10-21.	2.0	49
12	Biomarkers of Tobacco Smoke Exposure. Advances in Clinical Chemistry, 2014, 67, 1-45.	1.8	33
13	Green tea epigallocatechin gallate binds to and inhibits respiratory complexes in swelling but not normal rat hepatic mitochondria. Biochemical and Biophysical Research Communications, 2014, 443, 1097-1104.	1.0	27
14	An Integrated Flow Cytometry-Based System for Real-Time, High Sensitivity Bacterial Detection and Identification. PLoS ONE, 2014, 9, e94254.	1.1	38
15	Gene Logic and Toxicogenomics Biomarkers. , 2013, , 83-89.		1
16	Biomarker Applications in the Pharmaceutical Industry. , 2013, , 3-20.		0
17	An omics strategy for discovering pulmonary biomarkers potentially relevant to the evaluation of tobacco products. Biomarkers in Medicine, 2012, 6, 849-860.	0.6	8
18	Research at the interface of industry, academia and regulatory science. Nature Biotechnology, 2010, 28, 432-433.	9.4	40

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19	Recommendations for Biomarker Identification and Qualification in Clinical Proteomics. Science Translational Medicine, 2010, 2, 46ps42.	5.8	273
20	Public Consortium Efforts in Toxicogenomics. Methods in Molecular Biology, 2008, 460, 221-238.	0.4	24
21	Cross-species comparative toxicogenomics as an aid to safety assessment. Expert Opinion on Drug Metabolism and Toxicology, 2006, 2, 859-874.	1.5	16
22	Modulation of Cell Adhesion Molecules in Various Epithelial Cell Lines after Treatment with PP2â€. Molecular Pharmaceutics, 2005, 2, 170-184.	2.3	8
23	Annotation and cross-indexing of array elements on multiple platforms.. Environmental Health Perspectives, 2004, 112, 506-510.	2.8	19
24	Database development in toxicogenomics: issues and efforts.. Environmental Health Perspectives, 2004, 112, 495-505.	2.8	112
25	Gene Expression Analysis Points to Hemostasis in Livers of Rats Cotreated with Lipopolysaccharide and Ranitidine. Toxicological Sciences, 2004, 80, 203-213.	1.4	25
26	Effects of An E-cadherin-Derived Peptide on the Gene Expression of Caco-2 Cells. Pharmaceutical Research, 2004, 21, 2085-2094.	1.7	6
27	Contribution of serum protein association to discrepancy between the in vivo and in vitro UDS results for 6,7-dimethyl-2,4-di-1-pyrrolidinyl-7H-pyrrolo[2,3-d]pyrimidine (U-89843). Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1997, 395, 119-126.	0.9	4
28	Quantitative reverse transcriptase/PCR assay for the measurement of induction in cultured hepatocytes. Chemico-Biological Interactions, 1997, 107, 47-61.	1.7	18
29	Excision of DNA adducts of nitrogen mustards by bacterial and mammalian 3-methyladenine-DNA glycosylases. Carcinogenesis, 1996, 17, 643-648.	1.3	62
30	An application of 3D-QSAR to the analysis of the sequence specificity of DNA alkylation by uracil mustard. Biochemistry, 1992, 31, 9388-9392.	1.2	20
31	Use of [8-3H]guanine-labeled deoxyribonucleic acid tostudy alkylating agent reaction kinetics and stability. Analytical Biochemistry, 1992, 206, 161-167.	1.1	8
32	Î±-Naphthyl butyrate carboxylesterase activity in human and rat nasal tissue. Toxicology and Applied Pharmacology, 1992, 114, 71-76.	1.3	17
33	Lesion selectivity in blockage of lambda exonuclease by DNA damage. Nucleic Acids Research, 1990, 18, 3723-3730.	6.5	20
34	Mechanisms of DNA sequence selective alkylation of guanine-N7 positions by nitrogen mustards. Biochemical Pharmacology, 1988, 37, 1799-1800.	2.0	16
35	DNA sequence specificity of guanine N7-alkylations for a series of structurally related triazenes. Carcinogenesis, 1988, 9, 669-674.	1.3	31
36	GC-rich regions in genomes as targets for DNA alkylation. Carcinogenesis, 1988, 9, 2065-2072.	1.3	71

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37	Mechanisms of DNA sequence selective alkylation of guanine-N7 positions by nitrogen mustards. Nucleic Acids Research, 1987, 15, 10531-10549.	6.5	184
38	Mechanism of DNA strand breakage by piperidine at sites of N7-alkylguanines. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1986, 868, 71-76.	2.4	66
39	Protein complexes formed during the incision reaction catalyzed by theEscherichia coliUvrABC endonuclease. Nucleic Acids Research, 1986, 14, 2567-2582.	6.5	81
40	DNA sequence selectivity of guanineâ€“N7 alkylation by nitrogen mustards. Nucleic Acids Research, 1986, 14, 2971-2987.	6.5	237
41	The purification of theEscherichia coliUvrABC incision system. Nucleic Acids Research, 1986, 14, 8535-8556.	6.5	65
42	Identification of specific DNA lesions induced by three classes of chloroethylating agents: Chloroethylnitrosoureas, chloroethylmethanesulfonates and chloroethylimidazotetrazines. , 1985, 31, 153-163.		21