

P David Josephy

List of Publications by Year in descending order

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85
docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Structure-activity investigation of the potentiating effect of cyano substitution on nitroaniline mutagenicity in the ames test. <i>Environmental and Molecular Mutagenesis</i> , 2018, 59, 114-122.	2.2	7
2	Acetylation of aromatic cysteine conjugates by recombinant human N-acetyltransferase 8. <i>Xenobiotica</i> , 2017, 47, 202-207.	1.1	2
3	Potent mutagenicity in the Ames test of 2-cyano-4-nitroaniline and 2,6-dicyano-4-nitroaniline, components of disperse dyes. <i>Environmental and Molecular Mutagenesis</i> , 2016, 57, 10-16.	2.2	10
4	Inhibition of human glutathione transferases by dinitronaphthalene derivatives. <i>Archives of Biochemistry and Biophysics</i> , 2014, 555-556, 71-76.	3.0	7
5	Functional studies of single-nucleotide polymorphic variants of human glutathione transferase T1-1 involving residues in the dimer interface. <i>Archives of Biochemistry and Biophysics</i> , 2011, 513, 87-93.	3.0	2
6	Evaluation of Self-Reported Progression and Correlation of Imatinib Dose to Survival in Patients with Metastatic Gastrointestinal Stromal Tumors: An Open Cohort Study. <i>Journal of Gastrointestinal Cancer</i> , 2010, 41, 60-70.	1.3	12
7	Genetic Variations in Human Glutathione Transferase Enzymes: Significance for Pharmacology and Toxicology. <i>Human Genomics and Proteomics</i> , 2010, 2, 876940.	1.5	103
8	Activation of aminoimidazole carcinogens by nitrosation: Mutagenicity and nucleotide adducts. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009, 673, 109-115.	1.7	16
9	Single-nucleotide polymorphic variants of human glutathione transferase T1-1 differ in stability and functional properties. <i>Archives of Biochemistry and Biophysics</i> , 2009, 490, 24-29.	3.0	12
10	Ames test evaluation of two commercially available zero-valent nickel compounds. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008, 654, 64-68.	1.7	2
11	Hplc/Electrospray Ionization Mass Spectrometric Analysis of the Heterocyclic Aromatic Amine Carcinogen 2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine in Human Milk. <i>Chemical Research in Toxicology</i> , 2007, 20, 88-94.	3.3	15
12	Screening and characterization of variant Theta-class glutathione transferases catalyzing the activation of ethylene dibromide to a mutagen. <i>Environmental and Molecular Mutagenesis</i> , 2006, 47, 657-665.	2.2	10
13	Microenvironmental influences on mutagenesis in mammary epithelial cells. <i>International Journal of Cancer</i> , 2005, 116, 679-685.	5.1	45
14	Screening and Characterizing Human NAT2 Variants. <i>Methods in Enzymology</i> , 2005, 400, 192-215.	1.0	9
15	The Molecular Toxicology of Acetaminophen. <i>Drug Metabolism Reviews</i> , 2005, 37, 581-594.	3.6	65
16	Phase I and Phase II Drug Metabolism: Terminology that we Should Phase Out?. <i>Drug Metabolism Reviews</i> , 2005, 37, 575-580.	3.6	83
17	Human Acetyl CoA: Arylamine N-Acetyltransferase Variants Generated by Random Mutagenesis. <i>Molecular Pharmacology</i> , 2004, 65, 220-226.	2.3	16
18	Functional characterization of four allelic variants of human cytochrome P450 1A2. <i>Archives of Biochemistry and Biophysics</i> , 2004, 422, 23-30.	3.0	71

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19	Mutagenicity of the oral carcinogen 4-nitroquinoline-1-oxide in cultured BigBlue [®] , [®] rat tongue epithelial cells and fibroblasts. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2003, 522, 107-117.	1.0	12
20	N-Hydroxyarylamine O-Acetyltransferase-Deficient Escherichia coli Strains Are Resistant to the Mutagenicity of Nitro Compounds. <i>Biological Chemistry</i> , 2002, 383, 977-82.	2.5	10
21	Perspectives on the chemical etiology of breast cancer.. <i>Environmental Health Perspectives</i> , 2002, 110, 119-128.	6.0	99
22	2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP)-induced mutagenesis in cultured Big Blue [®] rat mammary epithelial and fibroblast cells. <i>Environmental and Molecular Mutagenesis</i> , 2002, 39, 245-253.	2.2	17
23	Evidence for the presence of mutagenic arylamines in human breast milk and DNA adducts in exfoliated breast ductal epithelial cells. <i>Environmental and Molecular Mutagenesis</i> , 2002, 39, 134-142.	2.2	49
24	Genetically-engineered bacteria expressing human enzymes and their use in the study of mutagens and mutagenesis. <i>Toxicology</i> , 2002, 181-182, 255-260.	4.2	19
25	Epithelial and fibroblast cell lines cultured from the transgenic BigBlue [®] , [®] rat: an in vitro mutagenesis assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001, 497, 39-47.	1.7	19
26	Detection of PhIP (2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine) in the Milk of Healthy Women. <i>Chemical Research in Toxicology</i> , 2001, 14, 1523-1528.	3.3	44
27	Recombinant human P450 forms 1A1, 1A2, and 1B1 catalyze the bioactivation of heterocyclic amine mutagens in Escherichia coli lacZ strains. <i>Environmental and Molecular Mutagenesis</i> , 2001, 38, 12-18.	2.2	26
28	Analysis of the tidocaine Metabolite 2,6-Dimethylaniline in Bovine and Human Milk. <i>Journal of Analytical Toxicology</i> , 2001, 25, 711-715.	2.8	34
29	Activation of MeIQ (2-amino-3,4-dimethylimidazo- [4,5-f]quinoline) by sequence variants of recombinant human cytochrome P450 1A2. <i>Environmental and Molecular Mutagenesis</i> , 2000, 35, 328-335.	2.2	12
30	The Escherichia coli lacZ reversion mutagenicity assay. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2000, 455, 71-80.	1.0	28
31	Activation of MeIQ (2-amino-3,4-dimethylimidazo- [4,5-f]quinoline) by sequence variants of recombinant human cytochrome P450 1A2. <i>Environmental and Molecular Mutagenesis</i> , 2000, 35, 328-35.	2.2	2
32	Plasmid-mediated expression of the UmuDC mutagenesis proteins in an Escherichia coli strain engineered for human cytochrome P450 1A2-catalyzed activation of aromatic amines. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999, 429, 199-208.	1.0	7
33	Inter-individual differences in the metabolism of environmental toxicants: cytochrome P450 1A2 as a prototype. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999, 428, 115-124.	1.0	53
34	Evaluation of Escherichia coli DJ4309 expressing human P450 1A2 in mutagenicity testing of complex food mixtures. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999, 442, 79-87.	1.7	7
35	Detection of Monocyclic Aromatic Amines, Possible Mammary Carcinogens, in Human Milk. <i>Chemical Research in Toxicology</i> , 1999, 12, 78-82.	3.3	74
36	Selection and Characterization of Human Cytochrome P450 1A2 Mutants with Altered Catalytic Properties. <i>Biochemistry</i> , 1999, 38, 5283-5289.	2.5	112

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37	Metabolic Activation of Aromatic Amine Mutagens by Simultaneous Expression of Human Cytochrome P450 1A2, NADPH-Cytochrome P450 Reductase, and N-Acetyltransferase in <i>Escherichia coli</i> . <i>Chemical Research in Toxicology</i> , 1998, 11, 70-74.	3.3	80
38	Solid-Phase Microextraction of Monocyclic Aromatic Amines from Biological Fluids. <i>Analytical Chemistry</i> , 1998, 70, 1986-1992.	6.5	96
39	The 1996 Veylien Henderson Award of the Society of Toxicology of Canada. Current concepts: neutrophils and the activation of carcinogens in the breast and other organs. <i>Canadian Journal of Physiology and Pharmacology</i> , 1998, 76, 693-700.	1.4	6
40	Hydrogen Peroxide Supports Human and Rat Cytochrome P450 1A2-Catalyzed 2-Amino-3-methylimidazo[4,5-f]quinoline Bioactivation to Mutagenic Metabolites: Significance of Cytochrome P450 Peroxygenase. <i>Chemical Research in Toxicology</i> , 1997, 10, 582-588.	3.3	30
41	Recent advances in the construction of bacterial genotoxicity assays. <i>Mutation Research - Reviews in Mutation Research</i> , 1997, 386, 1-23.	5.5	78
42	The role of peroxidase-catalyzed activation of aromatic amines in breast cancer. <i>Mutagenesis</i> , 1996, 11, 3-7.	2.6	72
43	Metabolic activation of heterocyclic aromatic amines catalyzed by human arylamine N-acetyltransferase isozymes (NAT1 and NAT2) expressed in <i>Salmonella typhimurium</i> . <i>Carcinogenesis</i> , 1995, 16, 643-648.	2.8	66
44	<i>Escherichia coli</i> lacZ strains engineered for detection of frameshift mutations induced by aromatic amines and nitroaromatic compounds. <i>Carcinogenesis</i> , 1995, 16, 2037-2043.	2.8	22
45	Bioactivation of aromatic amines by recombinant human cytochrome P4501A2 expressed in Ames tester strain bacteria: a substitute for activation by mammalian tissue preparations. <i>Cancer Research</i> , 1995, 55, 799-802.	0.9	46
46	Dimethylnitrosamine genotoxicity: does N-acetyltransferase activity play a role?. <i>Carcinogenesis</i> , 1994, 15, 479-482.	2.8	9
47	Mutational spectrum of revertants in the hisD3052 allele of <i>Salmonella typhimurium</i> induced by hydrogen peroxide-activated benzidine. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1994, 311, 9-20.	1.0	4
48	Prostaglandin H synthase-dependent formation of the direct-acting mutagen 2-nitro-3-methylimidazo[4,5-f]quinoline (nitro-IQ) from IQ. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1993, 302, 45-52.	1.1	19
49	Mutational specificity of 2-nitro-3,4-dimethylimidazo[4,5-f]quinoline in the lacI gene of <i>Escherichia coli</i> . <i>Carcinogenesis</i> , 1993, 14, 511-517.	2.8	24
50	Enhanced mutagenicity of anisidine isomers in bacterial strains containing elevated N-acetyltransferase activity. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1992, 279, 83-89.	1.2	24
51	Mutagenic activation of benzidine requires prior bacterial acetylation and subsequent conversion by prostaglandin H synthase to 4-nitro-4'-(acetylamino)biphenyl. <i>Chemical Research in Toxicology</i> , 1992, 5, 431-439.	3.3	38
52	<i>Salmonella typhimurium</i> strains expressing human arylamine N-acetyltransferases: metabolism and mutagenic activation of aromatic amines. <i>Cancer Research</i> , 1992, 52, 3961-4.	0.9	75
53	Hydroperoxidase I catalyzes peroxidative activation of 3,3'-dichlorobenzidine to a mutagen in <i>Salmonella typhimurium</i> . <i>Archives of Biochemistry and Biophysics</i> , 1990, 282, 352-357.	3.0	7
54	Prostaglandin hydroperoxidase-dependent activation of heterocyclic aromatic amines. <i>Carcinogenesis</i> , 1989, 10, 2201-2207.	2.8	31

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55	Activation of aromatic amines by prostaglandin H synthase. <i>Free Radical Biology and Medicine</i> , 1989, 6, 533-540.	2.9	15
56	New developments in the ames assay: High-sensitivity detection of mutagenic arylamines. <i>BioEssays</i> , 1989, 11, 108-112.	2.5	17
57	Dichlorobenzidine-DNA binding catalyzed by peroxidative activation in <i>Salmonella typhimurium</i> . <i>Archives of Biochemistry and Biophysics</i> , 1989, 269, 25-31.	3.0	5
58	Prostaglandin H synthase-dependent mutagenic activation of benzidine in a <i>Salmonella typhimurium</i> Ames tester strain possessing elevated N-acetyltransferase levels. <i>Cancer Research</i> , 1989, 49, 853-6.	0.9	27
59	Ram seminal vesicle microsomes-catalyzed activation of benzidine and related compounds: dissociation of mutagenesis from peroxidase-catalyzed formation of DNA-reactive material. <i>Carcinogenesis</i> , 1988, 9, 51-57.	2.8	20
60	Benzidine activation in the Ames test: roles of hepatic N-acetyltransferase and other cytosolic and microsomal factors. <i>Carcinogenesis</i> , 1987, 8, 139-143.	2.8	4
61	Studies on the mechanism of action of diallyl sulfide, an inhibitor of the genotoxic effects of cyclophosphamide. <i>Canadian Journal of Physiology and Pharmacology</i> , 1987, 65, 467-471.	1.4	16
62	Unambiguous synthesis of asymmetrically substituted chlorinated benzidines, and a study of their mutagenicity in the Ames test: potent activity of 3,5,3'-trichlorobenzidine. <i>Mutagenesis</i> , 1987, 2, 225-228.	2.6	4
63	Synthesis and mutagenicity of 3-halogenated and 3,3', 5,5'-tetrahalogenated benzidines. <i>Mutagenesis</i> , 1987, 2, 97-99.	2.6	7
64	Peroxidative metabolism of benzidine derivatives by <i>Salmonella typhimurium</i> . <i>Chemico-Biological Interactions</i> , 1987, 64, 193-202.	4.0	6
65	Mutagenicity of thionitrites in the ames test. <i>Biochemical Pharmacology</i> , 1986, 35, 3847-3851.	4.4	20
66	Synthesis and mutagenicity of 3, 3'-dihalogenated benzidines. <i>Carcinogenesis</i> , 1986, 7, 1239-1241.	2.8	24
67	Oxidative activation of benzidine and its derivatives by peroxidases.. <i>Environmental Health Perspectives</i> , 1985, 64, 171-178.	6.0	32
68	Inhibition of benzidine mutagenesis by nucleophiles: a study using the Ames test with hamster hepatic S9 activation. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1985, 143, 5-10.	1.1	9
69	Metabolism and mutagenesis of benzidine in <i>Salmonella typhimurium</i> strains TA98 and TA98/1,8-DNP6. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1985, 144, 159-163.	1.1	17
70	Peroxidase-catalyzed benzidine binding to DNA and other macromolecules. <i>Chemico-Biological Interactions</i> , 1985, 54, 143-158.	4.0	24
71	Identification of the N-acetylcysteine conjugate of benzidine formed in the peroxidase activation system. <i>Carcinogenesis</i> , 1985, 6, 155-158.	2.8	34
72	Azo dyes based on 3,5,3',5'-tetramethylbenzidine: Potential substitutes for carcinogenic azo dyes. <i>Chemico-Biological Interactions</i> , 1984, 49, 375-382.	4.0	4

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73	Hydrogen peroxide-dependent activation of benzidine to mutagenic species. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1984, 141, 23-28.	1.1	17
74	Reaction of 4-substituted phenols with benzidine in a peroxidase system. Biochemical Pharmacology, 1984, 33, 1155-1156.	4.4	15
75	Acetaminophen: enzymatic formation of a transient phenoxyl free radical. Biochemical Pharmacology, 1984, 33, 2933-2936.	4.4	91
76	Co-oxidation of benzidine by prostaglandin synthase and comparison with the action of horseradish peroxidase.. Journal of Biological Chemistry, 1983, 258, 5561-5569.	3.4	92
77	Co-oxidation of benzidine by prostaglandin synthase and comparison with the action of horseradish peroxidase. Journal of Biological Chemistry, 1983, 258, 5561-9.	3.4	79
78	An electron spin resonance study of the activation of benzidine by peroxidases. Molecular Pharmacology, 1983, 23, 766-70.	2.3	33
79	Chemical structure of the adducts formed by the oxidation of benzidine in the presence of phenols. Carcinogenesis, 1982, 3, 1227-1230.	2.8	32
80	The horseradish peroxidase-catalyzed oxidation of 3,5,3',5'-tetramethylbenzidine. Free radical and charge-transfer complex intermediates.. Journal of Biological Chemistry, 1982, 257, 3669-3675.	3.4	800
81	The horseradish peroxidase-catalyzed oxidation of 3,5,3',5'-tetramethylbenzidine. Free radical and charge-transfer complex intermediates. Journal of Biological Chemistry, 1982, 257, 3669-75.	3.4	499
82	Cooxidation of the clinical reagent 3,5,3'5'-tetramethylbenzidine by prostaglandin synthase. Cancer Research, 1982, 42, 2567-70.	0.9	49
83	Reduction of misonidazole and its derivatives by xanthine oxidase. Biochemical Pharmacology, 1981, 30, 849-853.	4.4	41
84	In vitro metabolism of misonidazole. British Journal of Cancer, 1981, 43, 443-450.	6.4	23
85	Ascorbate-enhanced Cytotoxicity of misonidazole. Nature, 1978, 271, 370-372.	27.8	51