Daniel W Nebert

List of Publications by Year
in descending order

208 papers	29,263 citations	9264 74 h-index	4885 168 g-index
217 all docs	217 docs citations	217 times ranked	18854 citing authors

#	Article	IF	Citations
1	P450 superfamily: update on new sequences, gene mapping, accession numbers and nomenclature. Pharmacogenetics and Genomics, 1996, 6, 1-42.	5.7	2,629
2	The P450 Superfamily: Update on New Sequences, Gene Mapping, Accession Numbers, Early Trivial Names of Enzymes, and Nomenclature. DNA and Cell Biology, 1993, 12, 1-51.	1.9	1,596
3	Clinical importance of the cytochromes P450. Lancet, The, 2002, 360, 1155-1162.	13.7	1,190
4	The P450 Superfamily: Update on New Sequences, Gene Mapping, and Recommended Nomenclature. DNA and Cell Biology, 1991, 10, 1-14.	1.9	1,086
5	The UDP glycosyltransferase gene superfamily: recommended nomenclature update based on evolutionary divergence. Pharmacogenetics and Genomics, 1997, 7, 255-269.	5.7	1,055
6	Role of Aryl Hydrocarbon Receptor-mediated Induction of the CYP1 Enzymes in Environmental Toxicity and Cancer. Journal of Biological Chemistry, 2004, 279, 23847-23850.	3.4	1,018
7	Role of the aromatic hydrocarbon receptor and [Ah] gene battery in the oxidative stress response, cell cycle control, and apoptosis. Biochemical Pharmacology, 2000, 59, 65-85.	4.4	867
8	Comparison of cytochrome P450 (CYP) genes from the mouse and human genomes, including nomenclature recommendations for genes, pseudogenes and alternative-splice variants. Pharmacogenetics and Genomics, 2004, 14, 1-18.	5.7	850
9	The role of cytochrome P450 enzymes in endogenous signalling pathways and environmental carcinogenesis. Nature Reviews Cancer, 2006, 6, 947-960.	28.4	793
10	The P450 Gene Superfamily: Recommended Nomenclature. DNA and Cell Biology, 1987, 6, 1-11.	5.2	790
11	Characterization of the common genetic defect in humans deficient in debrisoquine metabolism. Nature, 1988, 331, 442-446.	27.8	733
12	Nomenclature update for the mammalian UDP glycosyltransferase (UGT) gene superfamily. Pharmacogenetics and Genomics, 2005, 15, 677-685.	1.5	708
13	The P450 Superfamily: Updated Listing of All Genes and Recommended Nomenclature for the Chromosomal Loci. DNA and Cell Biology, 1989, 8, 1-13.	5.2	663
14	Human ATP-binding cassette (ABC) transporter family. Human Genomics, 2008, 3, 281.	2.9	576
15	Evolution of the P450 gene superfamily:. Trends in Genetics, 1990, 6, 182-186.	6.7	484
16	The Ah Locus: Genetic Differences in Toxicity, Cancer, Mutation, and Birth Defects. Critical Reviews in Toxicology, 1989, 20, 153-174.	3.9	419
17	Role of the Ah Receptor and the Dioxin-Inducible [Ah] Gene Battery in Toxicity, Cancer, and Signal Transduction. Annals of the New York Academy of Sciences, 1993, 685, 624-640.	3.8	405
18	Human cytochromes P450 in health and disease. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120431.	4.0	381

#	Article	IF	Citations
19	Analysis and update of the human aldehyde dehydrogenase (ALDH) gene family. Human Genomics, 2005, 2, 138-43.	2.9	327
20	Analysis of the glutathione S-transferase (GST) gene family. Human Genomics, 2004, 1, 460.	2.9	299
21	Genetic Expression of Aryl Hydrocarbon Hydroxylase Activity. Journal of Biological Chemistry, 1974, 249, 5599-5606.	3.4	288
22	Oral Exposure to Benzo[a]pyrene in the Mouse: Detoxication by Inducible Cytochrome P450 Is More Important Than Metabolic Activation. Molecular Pharmacology, 2004, 65, 1225-1237.	2.3	285
23	Human Drug-Metabolizing Enzyme Polymorphisms: Effects on Risk of Toxicity and Cancer. DNA and Cell Biology, 1996, 15, 273-280.	1.9	282
24	MINIREVIEW: Proposed Role of Drug-Metabolizing Enzymes: Regulation of Steady State Levels of the Ligands That Effect Growth, Homeostasis, Differentiation, and Neuroendocrine Functions. Molecular Endocrinology, 1991, 5, 1203-1214.	3.7	268
25	The UDP Glucuronosyltransferase Gene Super family: Suggested Nomenclature Based on Evolutionary Divergence. DNA and Cell Biology, 1991, 10, 487-494.	1.9	267
26	SLC39A8 Deficiency: A Disorder of Manganese Transport and Glycosylation. American Journal of Human Genetics, 2015, 97, 894-903.	6.2	242
27	Genetic expression of aryl hydrocarbon hydroxylase activity in the mouse. Journal of Cellular Physiology, 1975, 85, 393-414.	4.1	240
28	Trout P450IA1: cDNA and Deduced Protein Sequence, Expression in Liver, and Evolutionary Significance. DNA and Cell Biology, 1988, 7, 379-387.	5.2	218
29	Pharmacogenetics and pharmacogenomics: why is this relevant to the clinical geneticist?. Clinical Genetics, 1999, 56, 247-258.	2.0	215
30	Knockout of the Mouse Glutamate Cysteine Ligase Catalytic Subunit (Gclc) Gene: Embryonic Lethal When Homozygous, and Proposed Model for Moderate Glutathione Deficiency When Heterozygous. Biochemical and Biophysical Research Communications, 2000, 279, 324-329.	2.1	211
31	Oral Benzo[a]pyrene in Cyp1 Knockout Mouse Lines: CYP1A1 Important in Detoxication, CYP1B1 Metabolism Required for Immune Damage Independent of Total-Body Burden and Clearance Rate. Molecular Pharmacology, 2006, 69, 1103-1114.	2.3	211
32	Drug-metabolizing enzymes in ligand-modulated transcription. Biochemical Pharmacology, 1994, 47, 25-37.	4.4	200
33	Aryl hydrocarbon receptor (AHR): â€œpioneer memberâ€•of the basic-helix/loop/helix per - Arnt - sim (bHLH/PAS) family of â€œsensorsâ€•of foreign and endogenous signals. Progress in Lipid Research, 2017, 67, 38-57.	11.6	195
34	Autoregulation plus upstream positive and negative control regions associated with transcriptional activation of the mouse P1450 gene. Nucleic Acids Research, 1985, 13, 7269-7288.	14.5	190
35	Role of genetics and drug metabolism in human cancer risk. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1991, 247, 267-281.	1.0	190
36	Dioxin Induces Expression of c-fosand c-junProto-Oncogenes and a Large Increase in Transcription Factor AP-1. DNA and Cell Biology, 1992, 11, 269-281.	1.9	174

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37	Autosomal-Recessive Intellectual Disability with Cerebellar Atrophy Syndrome Caused by Mutation of the Manganese and Zinc Transporter Gene SLC39A8. American Journal of Human Genetics, 2015, 97, 886-893.	6.2	171
38	The MurineAh locus: In utero toxicity and teratogenesis associated with genetic differences in benzo[a]pyrene metabolism. Teratology, 1979, 20, 365-376.	1.6	168
39	NAD(P)H:quinone oxidoreductase (NQO1) polymorphism, exposure to benzene, and predisposition to disease: A HuGE review. Genetics in Medicine, 2002, 4, 62-70.	2.4	167
40	Human debrisoquine 4-hydroxylase (P450IID1): cDNA and deduced amino acid sequence and assignment of the CYP2D locus to chromosome 22. Genomics, 1988, 2, 174-179.	2.9	165
41	From Human Genetics and Genomics to Pharmacogenetics and Pharmacogenomics: Past Lessons, Future Directions. Drug Metabolism Reviews, 2008, 40, 187-224.	3.6	162
42	The Aryl Hydrocarbon Receptor Functions as a Tumor Suppressor of Liver Carcinogenesis. Cancer Research, 2010, 70, 212-220.	0.9	154
43	Update of the NAD(P)H:quinone oxidoreductase (NQO) gene family. Human Genomics, 2006, 2, 329.	2.9	146
44	Regulation of the mammalian cytochrome P1-450 (CYP1A1) gene. International Journal of Biochemistry & Cell Biology, 1989, 21, 243-252.	0.5	145
45	Dioxin Causes a Sustained Oxidative Stress Response in the Mouse. Biochemical and Biophysical Research Communications, 1998, 253, 44-48.	2.1	144
46	Mitochondrial reactive oxygen production is dependent on the aromatic hydrocarbon receptor. Free Radical Biology and Medicine, 2002, 33, 1268-1278.	2.9	141
47	Update on the olfactory receptor (OR) gene superfamily. Human Genomics, 2008, 3, 87.	2.9	141
48	Debrisoquine 4-Hydroxylase: Characterization of a New P450 Gene Subfamily, Regulation, Chromosomal Mapping, and Molecular Analysis of the DA Rat Polymorphism. DNA and Cell Biology, 1987, 6, 149-161.	5.2	139
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55	Oral Benzo[a]pyrene: Understanding Pharmacokinetics, Detoxication, and Consequencesâ€"Cyp1Knockout Mouse Lines as a Paradigm. Molecular Pharmacology, 2013, 84, 304-313.	2.3	119
56	Targeted Knockout of Cyp1a1 Gene Does Not Alter Hepatic Constitutive Expression of Other Genes in the Mouse [Ah] Battery. Biochemical and Biophysical Research Communications, 2000, 267, 184-189.	2.1	115
57	Ten nucleotide differences, five of which cause amino acid changes, are associated with the Ah receptor locus polymorphism of C57BL/6 and DBA/2 mice. Pharmacogenetics and Genomics, 1993, 3, 312-321.	5.7	114
58	Human AH locus polymorphism and cancer: inducibility of CYP1A1 and other genes by combustion products and dioxin. Pharmacogenetics and Genomics, 1991, 1, 68-78.	5.7	111
59	Dioxin Increases Reactive Oxygen Production in Mouse Liver Mitochondria. Toxicology and Applied Pharmacology, 2002, 178, 15-21.	2.8	111
60	Dioxin Exposure Is an Environmental Risk Factor for Ischemic Heart Disease. Cardiovascular Toxicology, 2001, 1, 285-298.	2.7	110
61	Tissue- and cell type-specific expression of cytochrome P450 1A1 and cytochrome P450 1A2 mRNA in the mouse localized in situ hybridization. Biochemical Pharmacology, 1999, 58, 525-537.	4.4	109
62	Benzo[a]pyrene-Induced Toxicity: Paradoxical Protection in Cyp1a1(â^'/â^') Knockout Mice Having Increased Hepatic BaPâ€"DNA Adduct Levels. Biochemical and Biophysical Research Communications, 2001, 289, 1049-1056.	2.1	109
63	Mouse cytosolic class 3 aldehyde dehydrogenase (Aldh3a1). Pharmacogenetics and Genomics, 1999, 9, 569-580.	5.7	106
64	Cyp1a1(â^'/â^') male mice: protection against high-dose TCDD-induced lethality and wasting syndrome, and resistance to intrahepatocyte lipid accumulation and uroporphyria. Toxicology and Applied Pharmacology, 2004, 196, 410-421.	2.8	103
65	Extreme discordant phenotype methodology: an intuitive approach to clinical pharmacogenetics. European Journal of Pharmacology, 2000, 410, 107-120.	3.5	102
66	Genetic Expression of Aryl Hydrocarbon Hydroxylase Induction. Journal of Biological Chemistry, 1974, 249, 5851-5859.	3.4	99
67	Differential Metabolism of 2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) in Mice Humanized forCYP1A1andCYP1A2. Chemical Research in Toxicology, 2005, 18, 1471-1478.	3.3	94
68	Transgenic Zebrafish as Sentinels for Aquatic Pollution. Annals of the New York Academy of Sciences, 2000, 919, 133-147.	3.8	93
69	GENETIC EPIDEMIOLOGY OF ENVIRONMENTAL TOXICITY AND CANCER SUSCEPTIBILITY: HUMAN ALLELIC POLYMORPHISMS IN DRUG-METABOLIZING ENZYME GENES, THEIR FUNCTIONAL IMPORTANCE, AND NOMENCLATURE ISSUES. Drug Metabolism Reviews, 1999, 31, 467-487.	3.6	92
70	Evidence in Rat and Mouse Liver for Temporal Control of Two Forms of Cytochrome P-450 Inducible by 2,3,7,8-Tetrachlorodibenzo-p-dioxin. FEBS Journal, 1978, 91, 449-456.	0.2	90
71	Protection of the Cyp1a2(â^'/â^') Null Mouse against Uroporphyria and Hepatic Injury Following Exposure to 2,3,7,8-Tetrachlorodibenzo-p-dioxin. Toxicology and Applied Pharmacology, 2001, 173, 89-98.	2.8	86
72	Suggestions for the nomenclature of human alleles: relevance to ecogenetics, pharmacogenetics and molecular epidemiology. Pharmacogenetics and Genomics, 2000, 10, 279-290.	5.7	83

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73	Search for an association between the human CYP1A2 genotype and CYP1A2 metabolic phenotype. Pharmacogenetics and Genomics, 2006, 16, 359-367.	1.5	81
74	Toward the evaluation of function in genetic variability: Characterizing human SNP frequencies and establishing BACâ€transgenic mice carrying the human CYP1A1_CYP1A2 locus. Human Mutation, 2005, 25, 196-206.	2.5	78
75	Importance of the route of administration for genetic differences in benzo[a]pyrene-induced in utero toxicity and teratogenicity. Teratology, 1984, 29, 35-47.	1.6	77
76	Isolation and characterization of full-length mouse cDNA and genomic clones of 3-methylcholanthrene-inducible cytochrome P1-450 and P3-450. Gene, 1984, 29, 281-292.	2.2	77
77	Update of the human secretoglobin (SCGB) gene superfamily and an example of 'evolutionary bloom' of androgen-binding protein genes within the mouse Scgb gene superfamily. Human Genomics, 2011, 5, 691.	2.9	75
78	Genetically mediated induction of drug-metabolizing enzymes associated with congenital defects in the mouse. Teratology, 1977, 16, 147-153.	1.6	73
79	Advances in pharmacogenomics and individualized drug therapy: exciting challenges that lie ahead. European Journal of Pharmacology, 2004, 500, 267-280.	3.5	71
80	Assignment of the human 2,3,7,8-tetrachlorodibenzo-p-dioxin-inducible cytochrome P1-450 gene to chromosome 15. Nucleic Acids Research, 1985, 13, 2009-2016.	14.5	70
81	Transcription factors and cancer: an overview. Toxicology, 2002, 181-182, 131-141.	4.2	70
82	SLC39A8 gene encoding a metal ion transporter: discovery and bench to bedside. Human Genomics, 2019, 13, 51.	2.9	68
83	The Ah receptor: Binding specificity only for foreign chemicals?. Biochemical Pharmacology, 1984, 33, 917-924.	4.4	66
84	Xenobiotic-metabolizing Cytochromes P450 Convert Prostaglandin Endoperoxide to Hydroxyheptadecatrienoic Acid and the Mutagen, Malondialdehyde. Journal of Biological Chemistry, 2000, 275, 11784-11790.	3.4	66
85	Mouse cytochrome P3-450: complete cDNA and amino acid sequence. Nucleic Acids Research, 1984, 12, 2917-2928.	14.5	63
86	Basal and inducible CYP1 mRNA quantitation and protein localization throughout the mouse gastrointestinal tract. Free Radical Biology and Medicine, 2008, 44, 570-583.	2.9	62
87	Human P3450: cDNA and complete amino acid sequence. Nucleic Acids Research, 1986, 14, 6773-6774.	14.5	61
88	4-Aminobiphenyl-Induced Liver and Urinary Bladder DNA Adduct Formation in Cyp1a2(-/-) and Cyp1a2(+/+) Mice. Journal of the National Cancer Institute, 2003, 95, 1227-1237.	6.3	61
89	Phenotype of theCyp1a1/1a2/1b1(-/-) Triple-Knockout Mouse. Molecular Pharmacology, 2008, 73, 1844-1856.	2.3	61
90	Interaction between the Ah receptor and proteins binding to the AP-1-like electrophile response element (EpRE) during murine phase II [Ah] battery gene expression. Biochemical Pharmacology, 1995, 50, 2057-2068.	4.4	60

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91	Generation of â€˜humanizedâ€™ hCYP1A1_1A2_Cyp1a1/1a2(âˆ’/âˆ’) mouse line. Biochemical and Biophysical Research Communications, 2007, 359, 635-642.	2.1	59
92	The MurineCyp1a-1Gene Negatively Regulates Its Own Transcription and that of Other Members of the Aromatic Hydrocarbon-Responsive [Ah] Gene Battery. Molecular Endocrinology, 1990, 4, 1773-1781.	3.7	58
93	[1] P450 gene nomenclature based on evolution. Methods in Enzymology, 1991, 206, 3-11.	1.0	58
94	Update on the human and mouse lipocalin (LCN) gene family, including evidence the mouse Mup cluster is result of an â€œevolutionary bloomâ€• Human Genomics, 2019, 13, 11.	2.9	58
95	Genetic expression of aryl hydrocarbon hydroxylase activity in the mouse. Archives of Biochemistry and Biophysics, 1975, 166, 559-564.	3.0	57
96	Growth signal pathways. Nature, 1990, 347, 709-710.	27.8	56
97	The human dioxin-inducible NAD(P)H:quinone oxidoreductase cDNA-encoded protein expressed in COS-1 cells is identical to diaphorase 4. FEBS Journal, 1991, 195, 171-176.	0.2	54
98	ZIP14 and ZIP8 zinc/bicarbonate symporters in Xenopus oocytes: characterization of metal uptake and inhibition. Metallomics, 2012, 4, 1218.	2.4	54
99	Genetic Polymorphisms in Human Drug-Metabolizing Enzymes: Potential Uses of Reverse Genetics to Identify Genes of Toxicological Relevance. Critical Reviews in Toxicology, 1997, 27, 199-222.	3.9	52
100	Organ-Specific Roles of CYP1A1 during Detoxication of Dietary Benzo[a]pyrene. Molecular Pharmacology, 2010, 78, 46-57.	2.3	52
101	Comparison of mouse hepatic mitochondrial versus microsomal cytochromes P450 following TCDD treatment. Biochemical and Biophysical Research Communications, 2006, 342, 1375-1381.	2.1	51
102	Characterization of Cytochrome P2-450 (20-S) mRNA. Association with the P1-450 Genomic Gene and Differential Response to the Inducers 3-Methylcholanthrene and Isosafrole. FEBS Journal, 1983, 134, 13-18.	0.2	50
103	CYP1A2 protects against reactive oxygen production in mouse liver microsomes. Free Radical Biology and Medicine, 2004, 36, 605-617.	2.9	50
104	Contributions of the Three CYP1 Monooxygenases to Pro-Inflammatory and Inflammation-Resolution Lipid Mediator Pathways. Journal of Immunology, 2013, 191, 3347-3357.	0.8	50
105	Can personalized drug therapy be achieved? A closer look at pharmaco-metabonomics. Trends in Pharmacological Sciences, 2006, 27, 580-586.	8.7	49
106	Cytochrome P450 1A1 (CYP1A1) protects against nonalcoholic fatty liver disease caused by Western diet containing benzo[a]pyrene in mice. Food and Chemical Toxicology, 2018, 113, 73-82.	3.6	48
107	Uncoupling-mediated generation of reactive oxygen by halogenated aromatic hydrocarbons in mouse liver microsomes. Free Radical Biology and Medicine, 2004, 36, 618-631.	2.9	47
108	Structural Gene Products of the Murine Ah Complex. FEBS Journal, 2005, 115, 585-594.	0.2	47

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109	For Dioxin-induced Birth Defects, Mouse or Human CYP1A2 in Maternal Liver Protects whereas Mouse CYP1A1 and CYP1B1 Are Inconsequential. Journal of Biological Chemistry, 2006, 281, 18591-18600.	3.4	47
110	Personalized medicine: Genetic risk prediction of drug response. , 2017, 175, 75-90.		47
111	Role of CYP2A5 and 2G1 in Acetaminophen Metabolism and Toxicity in the Olfactory Mucosa of the Cyp1a2(â^'/â^')Mouse. Biochemical Pharmacology, 1998, 55, 1819-1826.	4.4	46
112	â€œGeneâ€Swap Knockâ€inâ€•Cassette in Mice to Study Allelic Differences in Human Genes. Annals of the New York Academy of Sciences, 2000, 919, 148-170.	3.8	46
113	Analysis of humanCYP1A1andCYP1A2genes and their shared bidirectional promoter in eight world populations. Human Mutation, 2010, 31, 27-40.	2.5	46
114	Activation of Transcription Factors in Zebrafish Cell Cultures by Environmental Pollutants. Archives of Biochemistry and Biophysics, 2000, 376, 320-327.	3.0	45
115	Oral benzo[a]pyreneâ€induced cancer: Two distinct types in different target organs depend on the mouse Cyp1 genotype. International Journal of Cancer, 2010, 127, 2334-2350.	5.1	45
116	Birth defects and aplastic anemia: differences in polycyclic hydrocarbon toxicity associated with the Ah locus. Archives of Toxicology, 1977, 39-39, 109-132.	4.2	44
117	Negative regulation of the murine cytosolic aldehyde dehydrogenase-3 (Aldh-3c) gene by functional CYP1A1 and CYP1A2 proteins. Biochemical and Biophysical Research Communications, 1992, 187, 413-419.	2.1	44
118	Mice Deficient in the Gene for Cytochrome P450 (CYP)1A1 Are More Susceptible Than Wild-Type to Hyperoxic Lung Injury: Evidence for Protective Role of CYP1A1 Against Oxidative Stress. Toxicological Sciences, 2014, 141, 68-77.	3.1	43
119	In Utero and Lactational Exposure to PCBs in Mice: Adult Offspring Show Altered Learning and Memory Depending on Cyp1a2 and Ahr Genotypes. Environmental Health Perspectives, 2011, 119, 1286-1293.	6.0	42
120	Regional linkage analysis of the dioxin-inducible P-450 gene family on mouse chromosome 9. Biochemical and Biophysical Research Communications, 1985, 130, 396-406.	2.1	41
121	Markedly Increased Constitutive CYP1A1 mRNA Levels in the Fertilized Ovum of the Mouse. Biochemical and Biophysical Research Communications, 1998, 251, 657-661.	2.1	40
122	Drug-Metabolizing Enzymes, Polymorphisms and Interindividual Response to Environmental Toxicants. Clinical Chemistry and Laboratory Medicine, 2000, 38, 857-61.	2.3	40
123	THE Ah PHENOTYPE. SURVEY OF FORTY-EIGHT RAT STRAINS AND TWENTY INBRED MOUSE STRAINS. Genetics, 1982, 100, 79-87.	2.9	38
124	Knock-In Mouse Lines Expressing either Mitochondrial or Microsomal CYP1A1: Differing Responses to Dietary Benzo[a]pyrene as Proof of Principle. Molecular Pharmacology, 2009, 75, 555-567.	2.3	35
125	Theophylline pharmacokinetics: comparison of Cyp1a1(â^'/â^') and Cyp1a2(â^'/â^') knockout mice, humanized hCYP1A1_1A2 knock-in mice lacking either the mouse Cyp1a1 or Cyp1a2 gene, and Cyp1(+/+) wild-type mice. Pharmacogenetics and Genomics, 2005, 15, 503-511.	1.5	34
126	Stable Expression of MouseCyplaland HumanCYP1A2cDNAs Transfected into Mouse Hepatoma Cells Lacking Detectable P450 Enzyme Activity. DNA and Cell Biology, 1990, 9, 425-436.	1.9	33

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127	Toxic Chemical Depression of the Bone Marrow and Possible Aplastic Anemia Explainable on a Genetic Basis. Clinical Toxicology, 1980, 16, 99-122.	0.5	32
128	INDUCIBLE MONOOXYGENASE ACTIVITIES AND 3-METHYLCHOLANTHRENE-INITIATED TUMORIGENESIS IN MOUSE RECOMBINANT INBRED SUBLINES. Genetics, 1976, 83, 537-550.	2.9	32
129	Update of the keratin gene family: evolution, tissue-specific expression patterns, and relevance to clinical disorders. Human Genomics, 2022, 16, 1.	2.9	32
130	Purification and characterization of a microsomal cytochrome P-450 with high activity of coumarin 7-hydroxylase from mouse lives. FEBS Journal, 1984, 144, 425-431.	0.2	31
131	Proposal for an allele nomenclature system based on the evolutionary divergence of haplotypes. Human Mutation, 2002, 20, 463-472.	2.5	29
132	Role of Protein Kinase C-mediated Protein Phosphorylation in Mitochondrial Translocation of Mouse CYP1A1, Which Contains a Non-canonical Targeting Signal. Journal of Biological Chemistry, 2006, 281, 30834-30847.	3.4	29
133	Tissue-Specific Induction of Mouse ZIP8 and ZIP14 Divalent Cation/Bicarbonate Symporters by, and Cytokine Response to, Inflammatory Signals. International Journal of Toxicology, 2014, 33, 246-258.	1.2	29
134	CYP1A1 and CYP1A2 expression: Comparing â€˜humanizedâ€™ mouse lines and wild-type mice; comparing human and mouse hepatoma-derived cell lines. Toxicology and Applied Pharmacology, 2009, 237, 119-126.	2.8	28
135	DecreasedHnf-1Gene Expression in Mice Homozygous for a 1.2-CentiMorgan Deletion on Chromosome 7. DNA and Cell Biology, 1990, 9, 771-776.	1.9	27
136	Pharmacological rescue of the 14CoS/14CoS mouse: hepatocyte apoptosis is likely caused by endogenous oxidative stress. Free Radical Biology and Medicine, 2003, 35, 351-367.	2.9	27
137	Inter-individual susceptibility to environmental toxicantsâ€”A current assessment. Toxicology and Applied Pharmacology, 2005, 207, 34-42.	2.8	27
138	â€œOxidative stressâ€•response in liver of an untreated newborn mouse having a 1.2-centimorgan deletion on chromosome 7. Biochemical and Biophysical Research Communications, 1992, 182, 1160-1165.	2.1	26
139	Improved drug therapy: triangulating phenomics with genomics and metabolomics. Human Genomics, 2014, 8, 16.	2.9	26
140	Similarities between Mouse and Rat-Liver Microsomal Cytochromes P-450 Induced by 3-Methylcholanthrene. Evidence from Catalytic, Immunologic, and Recombinant DNA Studies. FEBS Journal, 1982, 122, 361-368.	0.2	25
141	Structure of the Mouse Cytochrome P1-450 Genomic Gene. FEBS Journal, 1983, 134, 19-25.	0.2	25
142	Update on genome completion and annotations: Protein Information Resource. Human Genomics, 2004, 1, 229.	2.9	25
143	Mouse lung CYP1A1 catalyzes the metabolic activation of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP). Carcinogenesis, 2006, 28, 732-737.	2.8	25
144	Aryl hydrocarbon receptor ligand 2,3,7,8-tetrachlorodibenzo-p-dioxin enhances liver damage in bile duct-ligated mice. Toxicology, 2011, 280, 10-17.	4.2	25

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145	Mitochondrial targeting of mouse NQO1 and CYP1B1 proteins. Biochemical and Biophysical Research Communications, 2013, 435, 727-732.	2.1	25
146	Comparing Gene Expression during Cadmium Uptake and Distribution: Untreated versus Oral Cd-Treated Wild-Type and ZIP14 Knockout Mice. Toxicological Sciences, 2015, 143, 26-35.	3.1	25
147	Overview of PAX gene family: analysis of human tissue-specific variant expression and involvement in human disease. Human Genetics, 2021, 140, 381-400.	3.8	25
148	ARYL HYDROCARBON HYDROXYLASE INDUCTION BY BENZO[a]ANTHRACENE: REGULATORY GENE LOCALIZED TO THE DISTAL PORTION OF MOUSE CHROMOSOME 17. Genetics, 1984, 107, 447-461.	2.9	25
149	Possible Role of Cytochromes P450 in Lupus Erythematosus and Related Disorders. Lupus, 1994, 3, 473-478.	1.6	24
150	NAD(P)H:quinone oxidoreductase expression in Cyp1a-knockout and CYP1A-humanized mouse lines and its effect on bioactivation of the carcinogen aristolochic acid I. Toxicology and Applied Pharmacology, 2012, 265, 360-367.	2.8	24
151	Zinc- and bicarbonate-dependent ZIP8 transporter mediates selenite uptake. Oncotarget, 2016, 7, 35327-35340.	1.8	24
152	Decrease in 4-Aminobiphenyl-Induced Methemoglobinemia in Cyp1a2(â^'/â^') Knockout Mice. Toxicology and Applied Pharmacology, 2002, 181, 32-37.	2.8	23
153	Genetic Risk Prediction: Individualized Variability in Susceptibility to Toxicants. Annual Review of Pharmacology and Toxicology, 2013, 53, 355-375.	9.4	23
154	Protective role of cytochrome P450 1A1 (CYP1A1) against benzo[a]pyrene-induced toxicity in mouse aorta. Toxicology, 2014, 316, 34-42.	4.2	23
155	Use of fetal cell culture as an experimental system for predicting drug metabolism in the intact animal. Clinical Pharmacology and Therapeutics, 1973, 14, 693-699.	4.7	22
156	Tryphostin AG879, a tyrosine kinase inhibitor: prevention of transcriptional activation of the electrophile and the aromatic hydrocarbon response elements11Abbreviations: EPRE, electrophile response element; AHRE, aromatic hydrocarbon response element; MRE, metal response element; Nqo1 and NQO1, mouse NAD(P)H:quinone oxidoreductase [also called NMO1, quinone reductase, DT-diaphorase] gene and mRNA; Cyp1a1 and CYP1A1, mouse cytochrome P450 1A1 gene and mRNA; Mt1 and MT1, mouse metallothionein-1 gene and mRNA. Biochemical Pharmacology, 2001, 61, 215-225.	4.4	22
157	Binding of polycyclic aromatic hydrocarbons to DNA: Comparison with mutagenesis and tumorigenesis. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1980, 6, 1009-1020.	2.3	21
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