

Daniel W Nebert

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#	Paper	IF	Citations
209	P450 superfamily: update on new sequences, gene mapping, accession numbers and nomenclature. <i>Pharmacogenetics and Genomics</i> , 1996 , 6, 1-42		2386
208	The P450 superfamily: update on new sequences, gene mapping, accession numbers, early trivial names of enzymes, and nomenclature. <i>DNA and Cell Biology</i> , 1993 , 12, 1-51	3.6	1461
207	Clinical importance of the cytochromes P450. <i>Lancet, The</i> , 2002 , 360, 1155-62	40	1050
206	The P450 superfamily: update on new sequences, gene mapping, and recommended nomenclature. <i>DNA and Cell Biology</i> , 1991 , 10, 1-14	3.6	979
205	The UDP glycosyltransferase gene superfamily: recommended nomenclature update based on evolutionary divergence. <i>Pharmacogenetics and Genomics</i> , 1997 , 7, 255-69		927
204	Role of aryl hydrocarbon receptor-mediated induction of the CYP1 enzymes in environmental toxicity and cancer. <i>Journal of Biological Chemistry</i> , 2004 , 279, 23847-50	5.4	877
203	Role of the aromatic hydrocarbon receptor and [Ah] gene battery in the oxidative stress response, cell cycle control, and apoptosis. <i>Biochemical Pharmacology</i> , 2000 , 59, 65-85	6	779
202	Comparison of cytochrome P450 (CYP) genes from the mouse and human genomes, including nomenclature recommendations for genes, pseudogenes and alternative-splice variants. <i>Pharmacogenetics and Genomics</i> , 2004 , 14, 1-18		765
201	The P450 gene superfamily: recommended nomenclature. <i>DNA and Cell Biology</i> , 1987 , 6, 1-11		720
200	The role of cytochrome P450 enzymes in endogenous signalling pathways and environmental carcinogenesis. <i>Nature Reviews Cancer</i> , 2006 , 6, 947-60	31.3	682
199	Characterization of the common genetic defect in humans deficient in debrisoquine metabolism. <i>Nature</i> , 1988 , 331, 442-6	50.4	655
198	Nomenclature update for the mammalian UDP glycosyltransferase (UGT) gene superfamily. <i>Pharmacogenetics and Genomics</i> , 2005 , 15, 677-85	1.9	640
197	The P450 superfamily: updated listing of all genes and recommended nomenclature for the chromosomal loci. <i>DNA and Cell Biology</i> , 1989 , 8, 1-13		626
196	Evolution of the P450 gene superfamily: animal-plant warfare molecular drive and human genetic differences in drug oxidation. <i>Trends in Genetics</i> , 1990 , 6, 182-6	8.5	440
195	Human ATP-binding cassette (ABC) transporter family. <i>Human Genomics</i> , 2009 , 3, 281-90	6.8	421
194	Role of the Ah receptor and the dioxin-inducible [Ah] gene battery in toxicity, cancer, and signal transduction. <i>Annals of the New York Academy of Sciences</i> , 1993 , 685, 624-40	6.5	377
193	The Ah locus: genetic differences in toxicity, cancer, mutation, and birth defects. <i>Critical Reviews in Toxicology</i> , 1989 , 20, 153-74	5.7	362

192	Human cytochromes P450 in health and disease. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20120431	5.8	302
191	Oral exposure to benzo[a]pyrene in the mouse: detoxication by inducible cytochrome P450 is more important than metabolic activation. <i>Molecular Pharmacology</i> , 2004 , 65, 1225-37	4.3	267
190	Analysis and update of the human aldehyde dehydrogenase (ALDH) gene family. <i>Human Genomics</i> , 2005 , 2, 138-43	6.8	256
189	Proposed role of drug-metabolizing enzymes: regulation of steady state levels of the ligands that effect growth, homeostasis, differentiation, and neuroendocrine functions. <i>Molecular Endocrinology</i> , 1991 , 5, 1203-14		254
188	Human drug-metabolizing enzyme polymorphisms: effects on risk of toxicity and cancer. <i>DNA and Cell Biology</i> , 1996 , 15, 273-80	3.6	247
187	The UDP glucuronosyltransferase gene superfamily: suggested nomenclature based on evolutionary divergence. <i>DNA and Cell Biology</i> , 1991 , 10, 487-94	3.6	241
186	Genetic Expression of Aryl Hydrocarbon Hydroxylase Activity. <i>Journal of Biological Chemistry</i> , 1974 , 249, 5599-5606	5.4	236
185	Genetic expression of aryl hydrocarbon hydroxylase activity in the mouse. <i>Journal of Cellular Physiology</i> , 1975 , 85, 393-414	7	227
184	Analysis of the glutathione S-transferase (GST) gene family. <i>Human Genomics</i> , 2004 , 1, 460-4	6.8	209
183	Trout P450IA1: cDNA and deduced protein sequence, expression in liver, and evolutionary significance. <i>DNA and Cell Biology</i> , 1988 , 7, 379-87		204
182	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. <i>Molecular Pharmacology</i> , 2006 , 69, 1103-14	4.3	191
181	Autoregulation plus upstream positive and negative control regions associated with transcriptional activation of the mouse P1(450) gene. <i>Nucleic Acids Research</i> , 1985 , 13, 7269-88	20.1	186
180	Drug-metabolizing enzymes in ligand-modulated transcription. <i>Biochemical Pharmacology</i> , 1994 , 47, 25-37		184
179	Knockout of the mouse glutamate cysteine ligase catalytic subunit (Gclc) gene: embryonic lethal when homozygous, and proposed model for moderate glutathione deficiency when heterozygous. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 279, 324-9	3.4	183
178	SLC39A8 Deficiency: A Disorder of Manganese Transport and Glycosylation. <i>American Journal of Human Genetics</i> , 2015 , 97, 894-903	11	180
177	Pharmacogenetics and pharmacogenomics: why is this relevant to the clinical geneticist?. <i>Clinical Genetics</i> , 1999 , 56, 247-58	4	164
176	Dioxin induces expression of c-fos and c-jun proto-oncogenes and a large increase in transcription factor AP-1. <i>DNA and Cell Biology</i> , 1992 , 11, 269-81	3.6	160
175	The murine Ah locus: in utero toxicity and teratogenesis associated with genetic differences in benzo[a]pyrene metabolism. <i>Teratology</i> , 1979 , 20, 365-76		158

174	Human debrisoquine 4-hydroxylase (P450IID1): cDNA and deduced amino acid sequence and assignment of the CYP2D locus to chromosome 22. <i>Genomics</i> , 1988 , 2, 174-9	4.3	150
173	Role of genetics and drug metabolism in human cancer risk. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1991 , 247, 267-81	3.3	149
172	NAD(P)H:quinone oxidoreductase (NQO1) polymorphism, exposure to benzene, and predisposition to disease: a HuGE review. <i>Genetics in Medicine</i> , 2002 , 4, 62-70	8.1	145
171	Regulation of the mammalian cytochrome P1-450 (CYP1A1) gene. <i>International Journal of Biochemistry & Cell Biology</i> , 1989 , 21, 243-52		139
170	Dioxin causes a sustained oxidative stress response in the mouse. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 253, 44-8	3.4	136
169	Human P1-450 gene sequence and correlation of mRNA with genetic differences in benzo[a]pyrene metabolism. <i>Nucleic Acids Research</i> , 1985 , 13, 4503-20	20.1	132
168	From human genetics and genomics to pharmacogenetics and pharmacogenomics: past lessons, future directions. <i>Drug Metabolism Reviews</i> , 2008 , 40, 187-224	7	129
167	Debrisoquine 4-hydroxylase: characterization of a new P450 gene subfamily, regulation, chromosomal mapping, and molecular analysis of the DA rat polymorphism. <i>DNA and Cell Biology</i> , 1987 , 6, 149-61		129
166	The aryl hydrocarbon receptor functions as a tumor suppressor of liver carcinogenesis. <i>Cancer Research</i> , 2010 , 70, 212-20	10.1	128
165	Human CYP1A2: sequence, gene structure, comparison with the mouse and rat orthologous gene, and differences in liver 1A2 mRNA expression. <i>Molecular Endocrinology</i> , 1989 , 3, 1399-408		127
164	Autosomal-Recessive Intellectual Disability with Cerebellar Atrophy Syndrome Caused by Mutation of the Manganese and Zinc Transporter Gene SLC39A8. <i>American Journal of Human Genetics</i> , 2015 , 97, 886-93	11	125
163	Aryl hydrocarbon receptor (AHR): "pioneer member" of the basic-helix/loop/helix per-Arnt-sim (bHLH/PAS) family of "sensors" of foreign and endogenous signals. <i>Progress in Lipid Research</i> , 2017 , 67, 38-57	14.3	124
162	Update of the NAD(P)H:quinone oxidoreductase (NQO) gene family. <i>Human Genomics</i> , 2006 , 2, 329-35	6.8	121
161	Mitochondrial reactive oxygen production is dependent on the aromatic hydrocarbon receptor. <i>Free Radical Biology and Medicine</i> , 2002 , 33, 1268-78	7.8	121
160	Endogenous functions of the aryl hydrocarbon receptor (AHR): intersection of cytochrome P450 1 (CYP1)-metabolized eicosanoids and AHR biology. <i>Journal of Biological Chemistry</i> , 2008 , 283, 36061-5	5.4	120
159	Update on the olfactory receptor (OR) gene superfamily. <i>Human Genomics</i> , 2008 , 3, 87-97	6.8	116
158	The evolution of drug metabolism. <i>Pharmacology</i> , 2000 , 61, 124-35	2.3	107
157	Glutathione redox state regulates mitochondrial reactive oxygen production. <i>Journal of Biological Chemistry</i> , 2005 , 280, 25305-12	5.4	105

156	Targeted knockout of Cyp1a1 gene does not alter hepatic constitutive expression of other genes in the mouse [Ah] battery. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 267, 184-9	3.4	105
155	Benzo[a]pyrene-induced toxicity: paradoxical protection in Cyp1a1(-/-) knockout mice having increased hepatic BaP-DNA adduct levels. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 289, 1049-56	3.4	101
154	Tissue- and cell type-specific expression of cytochrome P450 1A1 and cytochrome P450 1A2 mRNA in the mouse localized in situ hybridization. <i>Biochemical Pharmacology</i> , 1999 , 58, 525-37	6	101
153	Human AH locus polymorphism and cancer: inducibility of CYP1A1 and other genes by combustion products and dioxin. <i>Pharmacogenetics and Genomics</i> , 1991 , 1, 68-78		101
152	Dioxin increases reactive oxygen production in mouse liver mitochondria. <i>Toxicology and Applied Pharmacology</i> , 2002 , 178, 15-21	4.6	100
151	Oral benzo[a]pyrene: understanding pharmacokinetics, detoxication, and consequences--Cyp1 knockout mouse lines as a paradigm. <i>Molecular Pharmacology</i> , 2013 , 84, 304-13	4.3	99
150	Pharmacogenomics and "individualized drug therapy": high expectations and disappointing achievements. <i>Molecular Diagnosis and Therapy</i> , 2003 , 3, 361-70		99
149	Cyp1a1(-/-) male mice: protection against high-dose TCDD-induced lethality and wasting syndrome, and resistance to intrahepatocyte lipid accumulation and uroporphyrin. <i>Toxicology and Applied Pharmacology</i> , 2004 , 196, 410-21	4.6	97
148	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. <i>Pharmacogenetics and Genomics</i> , 1993 , 3, 312-21		95
147	Dioxin exposure is an environmental risk factor for ischemic heart disease. <i>Cardiovascular Toxicology</i> , 2001 , 1, 285-98	3.4	94
146	Mouse cytosolic class 3 aldehyde dehydrogenase (Aldh3a1). <i>Pharmacogenetics and Genomics</i> , 1999 , 9, 569-580		91
145	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. <i>FEBS Journal</i> , 1978 , 91, 449-56		89
144	Differential metabolism of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) in mice humanized for CYP1A1 and CYP1A2. <i>Chemical Research in Toxicology</i> , 2005 , 18, 1471-8	4	86
143	Protection of the Cyp1a2(-/-) null mouse against uroporphyrin and hepatic injury following exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicology and Applied Pharmacology</i> , 2001 , 173, 89-98	4.6	83
142	Genetic epidemiology of environmental toxicity and cancer susceptibility: human allelic polymorphisms in drug-metabolizing enzyme genes, their functional importance, and nomenclature issues. <i>Drug Metabolism Reviews</i> , 1999 , 31, 467-87	7	83
141	Extreme discordant phenotype methodology: an intuitive approach to clinical pharmacogenetics. <i>European Journal of Pharmacology</i> , 2000 , 410, 107-120	5.3	80
140	Transgenic zebrafish as sentinels for aquatic pollution. <i>Annals of the New York Academy of Sciences</i> , 2000 , 919, 133-47	6.5	79
139	Genetic Expression of Aryl Hydrocarbon Hydroxylase Induction. <i>Journal of Biological Chemistry</i> , 1974 , 249, 5851-5859	5.4	77

138	Isolation and characterization of full-length mouse cDNA and genomic clones of 3-methylcholanthrene-inducible cytochrome P1-450 and P3-450. <i>Gene</i> , 1984 , 29, 281-92	3.8	76
137	Search for an association between the human CYP1A2 genotype and CYP1A2 metabolic phenotype. <i>Pharmacogenetics and Genomics</i> , 2006 , 16, 359-67	1.9	75
136	Importance of the route of administration for genetic differences in benzo[a]pyrene-induced in utero toxicity and teratogenicity. <i>Teratology</i> , 1984 , 29, 35-47		75
135	Toward the evaluation of function in genetic variability: characterizing human SNP frequencies and establishing BAC-transgenic mice carrying the human CYP1A1_CYP1A2 locus. <i>Human Mutation</i> , 2005 , 25, 196-206	4.7	73
134	Suggestions for the nomenclature of human alleles: relevance to ecogenetics, pharmacogenetics and molecular epidemiology. <i>Pharmacogenetics and Genomics</i> , 2000 , 10, 279-90		72
133	Genetically mediated induction of drug-metabolizing enzymes associated with congenital defects in the mouse. <i>Teratology</i> , 1977 , 16, 147-53		69
132	The Ah receptor: binding specificity only for foreign chemicals?. <i>Biochemical Pharmacology</i> , 1984 , 33, 917-24	6	65
131	Assignment of the human 2,3,7,8-tetrachlorodibenzo-p-dioxin-inducible cytochrome P1-450 gene to chromosome 15. <i>Nucleic Acids Research</i> , 1985 , 13, 2009-16	20.1	62
130	4-aminobiphenyl-induced liver and urinary bladder DNA adduct formation in Cyp1a2(-/-) and Cyp1a2(+/-) mice. <i>Journal of the National Cancer Institute</i> , 2003 , 95, 1227-37	9.7	59
129	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. <i>Human Genomics</i> , 2011 , 5, 691-702	6.8	58
128	Advances in pharmacogenomics and individualized drug therapy: exciting challenges that lie ahead. <i>European Journal of Pharmacology</i> , 2004 , 500, 267-80	5.3	58
127	The murine Cyp1a-1 gene negatively regulates its own transcription and that of other members of the aromatic hydrocarbon-responsive [Ah] gene battery. <i>Molecular Endocrinology</i> , 1990 , 4, 1773-81		58
126	Human P3(450): cDNA and complete amino acid sequence. <i>Nucleic Acids Research</i> , 1986 , 14, 6773-4	20.1	58
125	Mouse cytochrome P3-450: complete cDNA and amino acid sequence. <i>Nucleic Acids Research</i> , 1984 , 12, 2917-28	20.1	58
124	Xenobiotic-metabolizing cytochromes P450 convert prostaglandin endoperoxide to hydroxyheptadecatrienoic acid and the mutagen, malondialdehyde. <i>Journal of Biological Chemistry</i> , 2000 , 275, 11784-90	5.4	57
123	Transcription factors and cancer: an overview. <i>Toxicology</i> , 2002 , 181-182, 131-41	4.4	56
122	Basal and inducible CYP1 mRNA quantitation and protein localization throughout the mouse gastrointestinal tract. <i>Free Radical Biology and Medicine</i> , 2008 , 44, 570-83	7.8	55
121	Generation of humanized CYP1A1_1A2_Cyp1a1/1a2(-/-) mouse line. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 359, 635-42	3.4	55

120	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. <i>Biochemical Pharmacology</i> , 1995 , 50, 2057-68	6	55
119	Phenotype of the Cyp1a1/1a2/1b1 ^{-/-} triple-knockout mouse. <i>Molecular Pharmacology</i> , 2008 , 73, 1844-56	4.3	54
118	P450 gene nomenclature based on evolution. <i>Methods in Enzymology</i> , 1991 , 206, 3-11	1.7	50
117	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. <i>FEBS Journal</i> , 1983 , 134, 13-8		49
116	Genetic expression of aryl hydrocarbon hydroxylase activity in the mouse. Distinction between the "responsive" homozygote and heterozygote at the Ah locus. <i>Archives of Biochemistry and Biophysics</i> , 1975 , 166, 559-64	4.1	49
115	Organ-specific roles of CYP1A1 during detoxication of dietary benzo[a]pyrene. <i>Molecular Pharmacology</i> , 2010 , 78, 46-57	4.3	48
114	The human dioxin-inducible NAD(P)H: quinone oxidoreductase cDNA-encoded protein expressed in COS-1 cells is identical to diaphorase 4. <i>FEBS Journal</i> , 1991 , 195, 171-6		48
113	Comparison of mouse hepatic mitochondrial versus microsomal cytochromes P450 following TCDD treatment. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 342, 1375-81	3.4	47
112	ZIP14 and ZIP8 zinc/bicarbonate symporters in <i>Xenopus</i> oocytes: characterization of metal uptake and inhibition. <i>Metallomics</i> , 2012 , 4, 1218-25	4.5	45
111	Genetic polymorphisms in human drug-metabolizing enzymes: potential uses of reverse genetics to identify genes of toxicological relevance. <i>Critical Reviews in Toxicology</i> , 1997 , 27, 199-222	5.7	45
110	Role of CYP2A5 and 2G1 in acetaminophen metabolism and toxicity in the olfactory mucosa of the Cyp1a2 ^(-/-) mouse. <i>Biochemical Pharmacology</i> , 1998 , 55, 1819-26	6	44
109	Activation of transcription factors in zebrafish cell cultures by environmental pollutants. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 376, 320-7	4.1	43
108	Can personalized drug therapy be achieved? A closer look at pharmaco-metabonomics. <i>Trends in Pharmacological Sciences</i> , 2006 , 27, 580-6	13.2	42
107	Cyp1a2 protects against reactive oxygen production in mouse liver microsomes. <i>Free Radical Biology and Medicine</i> , 2004 , 36, 605-17	7.8	42
106	Negative regulation of the murine cytosolic aldehyde dehydrogenase-3 (Aldh-3c) gene by functional CYP1A1 and CYP1A2 proteins. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 187, 413-9	3.4	41
105	Birth defects and aplastic anemia: differences in polycyclic hydrocarbon toxicity associated with the Ah locus. <i>Archives of Toxicology</i> , 1977 , 39, 109-32	5.8	41
104	For dioxin-induced birth defects, mouse or human CYP1A2 in maternal liver protects whereas mouse CYP1A1 and CYP1B1 are inconsequential. <i>Journal of Biological Chemistry</i> , 2006 , 281, 18591-600	5.4	40
103	Uncoupling-mediated generation of reactive oxygen by halogenated aromatic hydrocarbons in mouse liver microsomes. <i>Free Radical Biology and Medicine</i> , 2004 , 36, 618-31	7.8	39

102	Structural Gene Products of the Murine Ah Complex. <i>FEBS Journal</i> , 2005 , 115, 585-594		39
101	Oral benzo[a]pyrene-induced cancer: two distinct types in different target organs depend on the mouse Cyp1 genotype. <i>International Journal of Cancer</i> , 2010 , 127, 2334-50	7.5	38
100	Regional linkage analysis of the dioxin-inducible P-450 gene family on mouse chromosome 9. <i>Biochemical and Biophysical Research Communications</i> , 1985 , 130, 396-406	3.4	38
99	Contributions of the three CYP1 monooxygenases to pro-inflammatory and inflammation-resolution lipid mediator pathways. <i>Journal of Immunology</i> , 2013 , 191, 3347-57	5.3	37
98	Analysis of human CYP1A1 and CYP1A2 genes and their shared bidirectional promoter in eight world populations. <i>Human Mutation</i> , 2010 , 31, 27-40	4.7	37
97	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. <i>Toxicological Sciences</i> , 2014 , 141, 68-77	4.4	36
96	In utero and lactational exposure to PCBs in mice: adult offspring show altered learning and memory depending on Cyp1a2 and Ahr genotypes. <i>Environmental Health Perspectives</i> , 2011 , 119, 1286-93	8.4	36
95	"Gene-swap knock-in" cassette in mice to study allelic differences in human genes. <i>Annals of the New York Academy of Sciences</i> , 2000 , 919, 148-70	6.5	36
94	Markedly increased constitutive CYP1A1 mRNA levels in the fertilized ovum of the mouse. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 251, 657-61	3.4	36
93	Drug-metabolizing enzymes, polymorphisms and interindividual response to environmental toxicants. <i>Clinical Chemistry and Laboratory Medicine</i> , 2000 , 38, 857-61	5.9	35
92	Stable expression of mouse Cyp1a1 and human CYP1A2 cDNAs transfected into mouse hepatoma cells lacking detectable P450 enzyme activity. <i>DNA and Cell Biology</i> , 1990 , 9, 425-36	3.6	33
91	The Ah phenotype. Survey of forty-eight rat strains and twenty inbred mouse strains. <i>Genetics</i> , 1982 , 100, 79-87	4	33
90	SLC39A8 gene encoding a metal ion transporter: discovery and bench to bedside. <i>Human Genomics</i> , 2019 , 13, 51	6.8	32
89	Knock-in mouse lines expressing either mitochondrial or microsomal CYP1A1: differing responses to dietary benzo[a]pyrene as proof of principle. <i>Molecular Pharmacology</i> , 2009 , 75, 555-67	4.3	32
88	Purification and characterization of a microsomal cytochrome P-450 with high activity of coumarin 7-hydroxylase from mouse liver. <i>FEBS Journal</i> , 1984 , 144, 425-31		31
87	Theophylline pharmacokinetics: comparison of Cyp1a1(-/-) and Cyp1a2(-/-) knockout mice, humanized hCYP1A1_1A2 knock-in mice lacking either the mouse Cyp1a1 or Cyp1a2 gene, and Cyp1(+/-) wild-type mice. <i>Pharmacogenetics and Genomics</i> , 2005 , 15, 503-11	1.9	30
86	Update on the human and mouse lipocalin (LCN) gene family, including evidence the mouse Mup cluster is result of an "evolutionary bloom". <i>Human Genomics</i> , 2019 , 13, 11	6.8	29
85	Cytochrome P450 1A1 (CYP1A1) protects against nonalcoholic fatty liver disease caused by Western diet containing benzo[a]pyrene in mice. <i>Food and Chemical Toxicology</i> , 2018 , 113, 73-82	4.7	29

84	Toxic chemical depression of the bone marrow and possible aplastic anemia explainable on a genetic basis. <i>Clinical Toxicology</i> , 1980 , 16, 99-122		29
83	Role of protein kinase C-mediated protein phosphorylation in mitochondrial translocation of mouse CYP1A1, which contains a non-canonical targeting signal. <i>Journal of Biological Chemistry</i> , 2006 , 281, 30834-47	5.4	28
82	Personalized medicine: Genetic risk prediction of drug response. <i>Pharmacology & Therapeutics</i> , 2017 , 175, 75-90	13.9	26
81	INDUCIBLE MONOOXYGENASE ACTIVITIES AND 3-METHYLCHOLANTHRENE-INITIATED TUMORIGENESIS IN MOUSE RECOMBINANT INBRED SUBLINES. <i>Genetics</i> , 1976 , 83, 537-550	4	26
80	"Oxidative stress" response in liver of an untreated newborn mouse having a 1.2-centimorgan deletion on chromosome 7. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 182, 1160-5	3.4	25
79	CYP1A1 and CYP1A2 expression: comparing QumanizedQmouse lines and wild-type mice; comparing human and mouse hepatoma-derived cell lines. <i>Toxicology and Applied Pharmacology</i> , 2009 , 237, 119-26	4.6	24
78	Mouse lung CYP1A1 catalyzes the metabolic activation of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP). <i>Carcinogenesis</i> , 2007 , 28, 732-7	4.6	24
77	Proposal for an allele nomenclature system based on the evolutionary divergence of haplotypes. <i>Human Mutation</i> , 2002 , 20, 463-72	4.7	24
76	Similarities between mouse and rat-liver microsomal cytochromes P-450 induced by 3-methylcholanthrene. Evidence from catalytic, immunologic, and recombinant DNA studies. <i>FEBS Journal</i> , 1982 , 122, 361-8		24
75	Update on genome completion and annotations: Protein Information Resource. <i>Human Genomics</i> , 2004 , 1, 229-33	6.8	23
74	Inter-individual susceptibility to environmental toxicants--a current assessment. <i>Toxicology and Applied Pharmacology</i> , 2005 , 207, 34-42	4.6	23
73	Aryl hydrocarbon hydroxylase induction by benzo[a]anthracene: regulatory gene localized to the distal portion of mouse chromosome 17. <i>Genetics</i> , 1984 , 107, 447-61	4	23
72	Improved drug therapy: triangulating phenomics with genomics and metabolomics. <i>Human Genomics</i> , 2014 , 8, 16	6.8	22
71	Decrease in 4-aminobiphenyl-induced methemoglobinemia in Cyp1a2(-/-) knockout mice. <i>Toxicology and Applied Pharmacology</i> , 2002 , 181, 32-7	4.6	22
70	Pharmacological rescue of the 14CoS/14CoS mouse: hepatocyte apoptosis is likely caused by endogenous oxidative stress. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 351-67	7.8	22
69	Tyrphostin [correction of Tryphostin] AG879, a tyrosine kinase inhibitor: prevention of transcriptional activation of the electrophile and the aromatic hydrocarbon response elements. <i>Biochemical Pharmacology</i> , 2001 , 61, 215-25	6	22
68	Decreased Hnf-1 gene expression in mice homozygous for a 1.2-centiMorgan deletion on chromosome 7. <i>DNA and Cell Biology</i> , 1990 , 9, 771-6	3.6	22
67	Use of fetal cell culture as an experimental system for predicting drug metabolism in the intact animal. <i>Clinical Pharmacology and Therapeutics</i> , 1973 , 14, 693-9	6.1	22

66	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. <i>Toxicology and Applied Pharmacology</i> , 2012 , 265, 360-7	4.6	21
65	Possible role of cytochromes P450 in lupus erythematosus and related disorders. <i>Lupus</i> , 1994 , 3, 473-8	2.6	21
64	Transcriptional derepression of the murine Cyp1a-1 gene by mevinolin. <i>FASEB Journal</i> , 1992 , 6, 777-85	0.9	21
63	Structure of the mouse cytochrome P1-450 genomic gene. <i>FEBS Journal</i> , 1983 , 134, 19-25		21
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