Magnus Ingelman-Sundberg

List of Publications by Year
in descending order

367 papers	28,387 citations	89 h-index	142 g-index
392 all docs	392 docs citations	392 times ranked	21107 citing authors

#	Article	IF	Citations
1	Influence of cytochrome P450 polymorphisms on drug therapies: Pharmacogenetic, pharmacoepigenetic and clinical aspects. , 2007, 116, 496-526.		990
2	Dietary long-chain nâ^'3 fatty acids for the prevention of cancer: a review of potential mechanisms. American Journal of Clinical Nutrition, 2004, 79, 935-945.	4.7	813
3	A common novel CYP2C19 gene variant causes ultrarapid drug metabolism relevant for the drug response to proton pump inhibitors and antidepressants. Clinical Pharmacology and Therapeutics, 2006, 79, 103-113.	4.7	620
4	Pharmacogenetics of cytochrome P450 and its applications in drug therapy: the past, present and future. Trends in Pharmacological Sciences, 2004, 25, 193-200.	8.7	579
5	Pharmacogenomics and Individualized Drug Therapy. Annual Review of Medicine, 2006, 57, 119-137.	12.2	576
6	Hepatic cytochrome P450 2E1 is increased in patients with nonalcoholic steatohepatitis. Hepatology, 1998, 27, 128-133.	7.3	573
7	Rat liver microsomal NADPH-supported oxidase activity and lipid peroxidation dependent on ethanol-inducible cytochrome P-450 (P-450IIE1). Biochemical Pharmacology, 1989, 38, 1313-1319.	4.4	508
8	Characterization of primary human hepatocyte spheroids as a model system for drug-induced liver injury, liver function and disease. Scientific Reports, 2016, 6, 25187.	3.3	502
9	Polymorphic human cytochrome P450 enzymes: an opportunity for individualized drug treatment. Trends in Pharmacological Sciences, 1999, 20, 342-349.	8.7	470
10	The Pharmacogene Variation (PharmVar) Consortium: Incorporation of the Human Cytochrome P450 (CYP) Allele Nomenclature Database. Clinical Pharmacology and Therapeutics, 2018, 103, 399-401.	4.7	335
11	Human drug metabolising cytochrome P450 enzymes: properties and polymorphisms. Naunyn-Schmiedeberg's Archives of Pharmacology, 2004, 369, 89-104.	3.0	288
12	Interindividual Differences in Hepatic Expression of CYP3A4: Relationship to Genetic Polymorphism in the 5â€²-Upstream Regulatory Region. Biochemical and Biophysical Research Communications, 1999, 259, 201-205.	2.1	280
13	Hydroxylation of salicylate as an assay for hydroxyl radicals: A cautionary note. Free Radical Biology and Medicine, 1991, 10, 439-441.	2.9	259
14	Meta- and pooled analyses of the effects of glutathione S-transferase M1 polymorphisms and smoking on lung cancer risk. Carcinogenesis, 2002, 23, 1343-1350.	2.8	250
15	Validation of Methods for CYP2C9 Genotyping: Frequencies of Mutant Alleles in a Swedish Population. Biochemical and Biophysical Research Communications, 1999, 254, 628-631.	2.1	239
16	Comparisons of CYP1A2 genetic polymorphisms, enzyme activity and the genotype-phenotype relationship in Swedes and Koreans. European Journal of Clinical Pharmacology, 2007, 63, 537-546.	1.9	222
17	Activation of protein kinase C by lipoxin A and other eicosanoids. Intracellular action of oxygenation products of arachidonic acid. Biochemical and Biophysical Research Communications, 1986, 134, 1215-1222.	2.1	221
18	Ethanol-inducible cytochrome P4502E1: Genetic polymorphism, regulation, and possible role in the etiology of alcohol-induced liver disease. Alcohol, 1993, 10, 447-452.	1.7	219

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19	Comparison of Hepatic 2D Sandwich Cultures and 3D Spheroids for Long-term Toxicity Applications: A Multicenter Study. Toxicological Sciences, 2018, 162, 655-666.	3.1	219
20	COMPARATIVE ANALYSIS OF CYP3A EXPRESSION IN HUMAN LIVER SUGGESTS ONLY A MINOR ROLE FOR CYP3A5 IN DRUG METABOLISM. Drug Metabolism and Disposition, 2003, 31, 755-761.	3.3	213
21	Genetic Polymorphism and Toxicologyâ€"With Emphasis on Cytochrome P450. Toxicological Sciences, 2011, 120, 1-13.	3.1	213
22	Frequent occurrence of CYP2D6 gene duplication in Saudi Arabians. Pharmacogenetics and Genomics, 1997, 7, 187-191.	5.7	201
23	3D Organotypic Cultures of Human HepaRG Cells: A Tool for In Vitro Toxicity Studies. Toxicological Sciences, 2013, 133, 67-78.	3.1	197
24	Novel 3D Culture Systems for Studies of Human Liver Function and Assessments of the Hepatotoxicity of Drugs and Drug Candidates. Chemical Research in Toxicology, 2016, 29, 1936-1955.	3.3	196
25	Rare genetic variants in cellular transporters, metabolic enzymes, and nuclear receptors can be important determinants of interindividual differences in drug response. Genetics in Medicine, 2017, 19, 20-29.	2.4	194
26	Carbon tetrachloride-induced lipid peroxidation dependent on an ethanol-inducible form of rabbit liver microsomal cytochrome P-450. FEBS Letters, 1985, 183, 265-269.	2.8	191
27	A novel mutant variant of the CYP2D6 gene (CYP2D617) common in a black African population: association with diminished debrisoquine hydroxylase activity. British Journal of Clinical Pharmacology, 1996, 42, 713-719.	2.4	189
28	Analysis of the CYP2D6 gene in relation to debrisoquin and desipramine hydroxylation in a Swedish population. Clinical Pharmacology and Therapeutics, 1992, 51, 12-17.	4.7	186
29	Genetic polymorphism of cytochrome P450 2C9 in a Caucasian and a black African population. British Journal of Clinical Pharmacology, 2001, 52, 447-450.	2.4	186
30	Characterisation and PCR-based detection of a CYP2A6 gene deletion found at a high frequency in a Chinese population. FEBS Letters, 1999, 448, 105-110.	2.8	182
31	Centrilobular expression of ethanol-inducible cytochrome P-450 (IIE1) in rat liver. Biochemical and Biophysical Research Communications, 1988, 157, 55-60.	2.1	174
32	Sodium periodate, sodium chlorite, organic hydroperoxides, and H2O2 as hydroxylating agents in steroid hydroxylation reactions catalyzed by partially purified cytochrome P-450. Biochemical and Biophysical Research Communications, 1975, 66, 209-216.	2.1	173
33	Cloning and Tissue Distribution of a Novel Human Cytochrome P450 of the CYP3A Subfamily, CYP3A43. Biochemical and Biophysical Research Communications, 2001, 281, 1349-1355.	2.1	167
34	Integrating rare genetic variants into pharmacogenetic drug response predictions. Human Genomics, 2018, 12, 26.	2.9	166
35	Metabolism: A Bottleneck inIn VitroToxicological Test Development. ATLA Alternatives To Laboratory Animals, 2006, 34, 49-84.	1.0	161
36	Brusatol provokes a rapid and transient inhibition of Nrf2 signaling and sensitizes mammalian cells to chemical toxicityâ€"implications for therapeutic targeting of Nrf2. Free Radical Biology and Medicine, 2015, 78, 202-212.	2.9	161

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37	Ligand-dependent maintenance of ethanol-inducible cytochrome P-450 in primary rat hepatocyte cell cultures. Biochemical and Biophysical Research Communications, 1988, 150, 436-443.	2.1	159
38	Identification and characterisation of novel polymorphisms in theCYP2Alocus: implications for nicotine metabolism. FEBS Letters, 1999, 460, 321-327.	2.8	158
39	Genetic Polymorphism of CYP1A2 in Ethiopians Affecting Induction and Expression: Characterization of Novel Haplotypes with Single-Nucleotide Polymorphisms in Intron 1. Molecular Pharmacology, 2003, 64, 659-669.	2.3	158
40	Managing the challenge of drug-induced liver injury: a roadmap for the development and deployment of preclinical predictive models. Nature Reviews Drug Discovery, 2020, 19, 131-148.	46.4	153
41	Xenobiotic-Metabolizing Enzymes and Transporters in the Normal Human Brain: Regional and Cellular Mapping as a Basis for Putative Roles in Cerebral Function. Drug Metabolism and Disposition, 2009, 37, 1528-1538.	3.3	148
42	Identification of a novel specific CYP2B6 allele in Africans causing impaired metabolism of the HIV drug efavirenz. Pharmacogenetics and Genomics, 2006, 16, 191-198.	1.5	145
43	Identification of a Single Nucleotide Polymorphism in the TATA Box of the CYP2A6 Gene: Impairment of Its Promoter Activity. Biochemical and Biophysical Research Communications, 2001, 284, 455-460.	2.1	144
44	Role of ethanol-inducible cytochrome P450 (P450IIE1) in catalysing the free radical activation of aliphatic alcohols. Biochemical Pharmacology, 1991, 41, 1895-1902.	4.4	143
45	Genetic mechanisms for duplication and multiduplication of the human CYP2D6 gene and methods for detection of duplicated CYP2D6 genes. Gene, 1999, 226, 327-338.	2.2	141
46	Transcriptional, Functional, and Mechanistic Comparisons of Stem Cellâ€“Derived Hepatocytes, HepaRG Cells, and Three-Dimensional Human Hepatocyte Spheroids as Predictive In Vitro Systems for Drug-Induced Liver Injury. Drug Metabolism and Disposition, 2017, 45, 419-429.	3.3	141
47	CYP1A1 T3801 C polymorphism and lung cancer: A pooled analysis of 2,451 cases and 3,358 controls. International Journal of Cancer, 2003, 104, 650-657.	5.1	140
48	Prediction of Drug-Induced Hepatotoxicity Using Long-Term Stable Primary Hepatic 3D Spheroid Cultures in Chemically Defined Conditions. Toxicological Sciences, 2018, 163, 655-665.	3.1	140
49	Impact of CYP2C19 Genotype on Escitalopram Exposure and Therapeutic Failure: A Retrospective Study Based on 2,087 Patients. American Journal of Psychiatry, 2018, 175, 463-470.	7.2	136
50	A Combination of Mutations in theCYP2D6*17(CYP2D6Z) Allele Causes Alterations in Enzyme Function. Molecular Pharmacology, 1997, 52, 1034-1040.	2.3	134
51	Genotyping of human cytochrome P450 2A6 (CYP2A6), a nicotine C -oxidase. FEBS Letters, 1998, 438, 201-205.	2.8	129
52	Increased omeprazole metabolism in carriers of the CYP2C19*17 allele; a pharmacokinetic study in healthy volunteers. British Journal of Clinical Pharmacology, 2008, 65, 767-774.	2.4	129
53	Epigenetic mechanisms of importance for drug treatment. Trends in Pharmacological Sciences, 2014, 35, 384-396.	8.7	129
54	Genetic variation in the human cytochrome P450 supergene family. Pharmacogenetics and Genomics, 2015, 25, 584-594.	1.5	127

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55	Pharmacogenomic Biomarkers for Prediction of Severe Adverse Drug Reactions. New England Journal of Medicine, 2008, 358, 637-639.	27.0	125
56	Genetic and epigenetic regulation of gene expression in fetal and adult human livers. BMC Genomics, 2014, 15, 860.	2.8	124
57	Differential rates of metabolic activation and detoxication of the food mutagen 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine by different cytochrome P450 enzymes. Carcinogenesis, 1990, 11, 489-492.	2.8	121
58	Functional Analysis of Six Different Polymorphic CYP1B1 Enzyme Variants Found in an Ethiopian Population. Molecular Pharmacology, 2002, 61, 586-594.	2.3	120
59	Endogenous and xenobiotic metabolic stability of primary human hepatocytes in longâ€term 3D spheroid cultures revealed by a combination of targeted and untargeted metabolomics. FASEB Journal, 2017, 31, 2696-2708.	0.5	119
60	Hepatic 3D spheroid models for the detection and study of compounds with cholestatic liability. Scientific Reports, 2016, 6, 35434.	3.3	118
61	Epigenomics and Interindividual Differences in Drug Response. Clinical Pharmacology and Therapeutics, 2012, 92, 727-736.	4.7	114
62	Effect of CYP2D6 genotype on exposure and efficacy of risperidone and aripiprazole: a retrospective, cohort study. Lancet Psychiatry,the, 2019, 6, 418-426.	7.4	113
63	Characterization of a Human GlutathioneS-Transferase Î¼ Cluster Containing a DuplicatedGSTM1Gene that Causes Ultrarapid Enzyme Activity. Molecular Pharmacology, 1997, 52, 958-965.	2.3	112
64	Effect of chronic coadministration of endotoxin and ethanol on rat liver pathology and proinflammatory and anti-inflammatory cytokines. Hepatology, 1999, 29, 1503-1510.	7.3	112
65	The Effect of Ethanol-Induced Cytochrome p4502E1 on the Inhibition of Proteasome Activity by Alcohol. Biochemical and Biophysical Research Communications, 2000, 279, 23-29.	2.1	112
66	The human genome project and novel aspects of cytochrome 450 research. Toxicology and Applied Pharmacology, 2005, 207, 52-56.	2.8	111
67	Molecular genetics and epigenetics of the cytochrome P450 gene family and its relevance for cancer risk and treatment. Human Genetics, 2010, 127, 1-17.	3.8	110
68	The Involvement of Cytochrome P-450 in Hepatic Microsomal Steroid Hydroxylation Reactions Supported by Sodium Periodate, Sodium Chlorite, and Organic Hydroperoxides. FEBS Journal, 1976, 61, 43-52.	0.2	109
69	Human hepatic 3D spheroids as a model for steatosis and insulin resistance. Scientific Reports, 2018, 8, 14297.	3.3	108
70	Zonation of cytochrome P450 isozyme expression and induction in rat liver. FEBS Journal, 1992, 204, 407-412.	0.2	107
71	Signal Transduction-mediated Activation of the Aryl Hydrocarbon Receptor in Rat Hepatoma H4IIE Cells. Journal of Biological Chemistry, 1997, 272, 31755-31763.	3.4	106
72	Pharmacogenomic Biomarkers for Improved Drug Therapyâ€"Recent Progress and Future Developments. AAPS Journal, 2018, 20, 4.	4.4	106

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73	Induction, suppression and inhibition of multiple hepatic cytochrome P450 isozymes in the male rat and bobwhite quail (Colinus virginianus) by ergosterol biosynthesis inhibiting fungicides (EBIFs). Biochemical Pharmacology, 1994, 48, 1953-1965.	4.4	105
74	Identification and Tissue Distribution of the Novel Human Cytochrome P450 2S1 (CYP2S1). Biochemical and Biophysical Research Communications, 2001, 281, 529-535.	2.1	105
75	Pharmacoepigenetics: Its Role in Interindividual Differences in Drug Response. Clinical Pharmacology and Therapeutics, 2009, 85, 426-430.	4.7	105
76	Hepatocyte-like cells derived from human embryonic stem cells specifically via definitive endoderm and a progenitor stage. Journal of Biotechnology, 2010, 145, 284-294.	3.8	105
77	PCR-based genotyping for duplicated and deleted CYP2D6 genes. Pharmacogenetics and Genomics, 1996, 6, 351-355.	5.7	103
78	Massive rearrangements of cellular MicroRNA signatures are key drivers of hepatocyte dedifferentiation. Hepatology, 2016, 64, 1743-1756.	7.3	100
79	Debrisoquine and S-mephenytoin hydroxylation phenotypes and genotypes in a Korean population. Pharmacogenetics and Genomics, 1996, 6, 441-447.	5.7	98
80	Pooled analysis of the CYP1A1 exon 7 polymorphism and lung cancer (United States). Cancer Causes and Control, 2003, 14, 339-346.	1.8	98
81	Tumor-specific expression of the novel cytochrome P450 enzyme, CYP2W1. Biochemical and Biophysical Research Communications, 2006, 341, 451-458.	2.1	98
82	Identification and characterization of CYP3A4*20, a novel rare CYP3A4 allele without functional activity. Clinical Pharmacology and Therapeutics, 2006, 79, 339-349.	4.7	98
83	3D Primary Hepatocyte Culture Systems for Analyses of Liver Diseases, Drug Metabolism, and Toxicity: Emerging Culture Paradigms and Applications. Biotechnology Journal, 2019, 14, e1800347.	3.5	97
84	Regulation of aryl hydrocarbon receptor signal transduction by protein tyrosine kinases. Cellular Signalling, 2005, 17, 39-48.	3.6	96
85	Effects of N-acetylcysteine on ethanol-induced hepatotoxicity in rats fed via total enteral nutrition. Free Radical Biology and Medicine, 2005, 39, 619-630.	2.9	96
86	Application of Microphysiological Systems to Enhance Safety Assessment in Drug Discovery. Annual Review of Pharmacology and Toxicology, 2018, 58, 65-82.	9.4	95
87	Characterization of a novelCYP2A7/CYP2A6 hybrid allele (CYP2A6*12) that causes reduced CYP2A6 activity. Human Mutation, 2002, 20, 275-283.	2.5	94
88	The impact of CYP2E1 on the development of alcoholic liver disease as studied in a transgenic mouse model. Journal of Hepatology, 2009, 50, 572-583.	3.7	94
89	Ethanol and Oxidative Stress. Alcoholism: Clinical and Experimental Research, 2001, 25, 237S-243S.	2.4	93
90	Novel extrahepatic cytochrome P450s. Toxicology and Applied Pharmacology, 2005, 207, 57-61.	2.8	93

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91	Phenotypeâ€“genotype variability in the human CYP3A locus as assessed by the probe drug quinine and analyses of variant CYP3A4 alleles. Biochemical and Biophysical Research Communications, 2005, 338, 299-305.	2.1	93
92	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
93	Polymorphism of cytochrome P450 and xenobiotic toxicity. Toxicology, 2002, 181-182, 447-452.	4.2	92
94	Expression of drug metabolizing enzymes in hepatocyte-like cells derived from human embryonic stem cells. Biochemical Pharmacology, 2007, 74, 496-503.	4.4	92
95	Pharmacogenomic biomarkers: new tools in current and future drug therapy. Trends in Pharmacological Sciences, 2011, 32, 72-81.	8.7	91
96	Association of CYP2C19 and CYP2D6 Poor and Intermediate Metabolizer Status With Antidepressant and Antipsychotic Exposure. JAMA Psychiatry, 2021, 78, 270.	11.0	91
97	Acetaldehyde as a substrate for ethanol-inducible cytochrome P450 (CYP2E1). Biochemical and Biophysical Research Communications, 1991, 179, 689-694.	2.1	90
98	CYP2E1 in Alcoholic and Non-Alcoholic Liver Injury. Roles of ROS, Reactive Intermediates and Lipid Overload. International Journal of Molecular Sciences, 2021, 22, 8221.	4.1	90
99	Lipid Peroxidation, CYP2E1 and Arachidonic Acid Metabolism in Alcoholic Liver Disease in Rats. Journal of Nutrition, 1997, 127, 907S-911S.	2.9	87
100	CYP3A7 protein expression is high in a fraction of adult human livers and partially associated with the CYP3A7*1C allele. Pharmacogenetics and Genomics, 2005, 15, 625-631.	1.5	87
101	Long-Term Chronic Toxicity Testing Using Human Pluripotent Stem Cellâ€“Derived Hepatocytes. Drug Metabolism and Disposition, 2014, 42, 1401-1406.	3.3	87
102	Phenotyping and genotyping of S-mephenytoin hydroxylase (cytochrome P450 2C19) in a Shona population of Zimbabwe*. Clinical Pharmacology and Therapeutics, 1995, 57, 656-661.	4.7	86
103	Zonated expression of cytokines in rat liver: Effect of chronic ethanol and the cytochrome P450 2E1 inhibitor, chlormethiazole. Hepatology, 1998, 27, 1304-1310.	7.3	86
104	Genetic polymorphism of xenobiotic metabolizing enzymes among Chinese lung cancer patients. , 1999, 81, 325-329.		86
105	A stressâ€inducible rat liver endoplasmic reticulum protein, ERp29. FEBS Journal, 1998, 251, 304-313.	0.2	85
106	Structural and Functional Characterization of the 5â€²-Flanking Region of the Rat and Human Cytochrome P450 2E1 Genes: Identification of a Polymorphic Repeat in the Human Gene. Biochemical and Biophysical Research Communications, 1999, 263, 286-293.	2.1	85
107	A multicenter assessment of single-cell models aligned to standard measures of cell health for prediction of acute hepatotoxicity. Archives of Toxicology, 2017, 91, 1385-1400.	4.2	85
108	Cytochrome b5 as electron donor to rabbit liver cytochrome P-450LM2 in reconstituted phospholipid vesicles. Biochemical and Biophysical Research Communications, 1980, 97, 582-589.	2.1	84

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109	3â€²-UTR polymorphism in the human CYP2A6 gene affects mRNA stability and enzyme expression. Biochemical and Biophysical Research Communications, 2006, 340, 491-497.	2.1	84
110	Transcriptional control of CYP2E1 in the perivenous liver region and during starvation. Biochemical and Biophysical Research Communications, 1990, 173, 331-338.	2.1	83
111	Novel genetic and epigenetic factors of importance for inter-individual differences in drug disposition, response and toxicity. , 2019, 197, 122-152.		83
112	The TM6SF2 E167K genetic variant induces lipid biosynthesis and reduces apolipoprotein B secretion in human hepatic 3D spheroids. Scientific Reports, 2019, 9, 11585.	3.3	82
113	Evidence for environmental influence on CYP2D6-catalysed debrisoquine hydroxylation as demonstrated by phenotyping and genotyping of Ethiopians living in Ethiopia or in Sweden. Pharmacogenetics and Genomics, 2002, 12, 375-383.	5.7	81
114	Search for an association between the human CYP1A2 genotype and CYP1A2 metabolic phenotype. Pharmacogenetics and Genomics, 2006, 16, 359-367.	1.5	81
115	Update on Allele Nomenclature for Human Cytochromes P450 and the Human Cytochrome P450 Allele (CYP-Allele) Nomenclature Database. Methods in Molecular Biology, 2013, 987, 251-259.	0.9	78
116	Characterization of the CYP2D6*29 allele commonly present in a black Tanzanian population causing reduced catalytic activity. Pharmacogenetics and Genomics, 2001, 11, 417-427.	5.7	77
117	COMPARATIVE STUDIES ON THE CYTOCHROME P450-ASSOCIATED METABOLISM AND INTERACTION POTENTIAL OF SELEGILINE BETWEEN HUMAN LIVER-DERIVED IN VITRO SYSTEMS. Drug Metabolism and Disposition, 2003, 31, 1093-1102.	3.3	77
118	Hepatic expression of multiple acute phase proteins and down-regulation of nuclear receptors after acute endotoxin exposure. Biochemical Pharmacology, 2004, 67, 1389-1397.	4.4	77
119	Linkage disequilibrium between the CYP2C19*17 allele and wildtype CYP2C8 and CYP2C9 alleles: identification of CYP2C haplotypes in healthy Nordic populations. European Journal of Clinical Pharmacology, 2010, 66, 1199-1205.	1.9	75
120	Acetone-regulated synthesis and degradation of cytochrome P4502E2 and cytochrome P4502B1 in rat liver. FEBS Journal, 1991, 198, 383-389.	0.2	74
121	Pharmacogenomics of Antidepressant and Antipsychotic Treatment: How Far Have We Got and Where Are We Going?. Frontiers in Psychiatry, 2020, 11, 94.	2.6	74
122	Human liver microsomal cytochrome P-450IIE1. Imnunological evaluation of its contribution to microsomal ethanol oxidation, carboti tetrachloride reduction and NADPH oxidase activity. Biochemical Pharmacology, 1989, 38, 689-693.	4.4	73
123	The African-specific CYP2D6*17 allele encodes an enzyme with changed substrate specificity. Clinical Pharmacology and Therapeutics, 2002, 71, 77-88.	4.7	73
124	Comparative Proteomic Characterization of 4 Human Liver-Derived Single Cell Culture Models Reveals Significant Variation in the Capacity for Drug Disposition, Bioactivation, and Detoxication. Toxicological Sciences, 2015, 147, 412-424.	3.1	73
125	The Importance of Patient-Specific Factors for Hepatic Drug Response and Toxicity. International Journal of Molecular Sciences, 2016, 17, 1714.	4.1	73
126	Development of the <scp>PG</scp>xâ€Passport: A Panel of Actionable Germline Genetic Variants for Preâ€Emptive Pharmacogenetic Testing. Clinical Pharmacology and Therapeutics, 2019, 106, 866-873.	4.7	73

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127	Identification of CYP4F8 in Human Seminal Vesicles as a Prominent 19-Hydroxylase of Prostaglandin Endoperoxides. Journal of Biological Chemistry, 2000, 275, 21844-21849.	3.4	72
128	Cytochrome P450 1B1 gene polymorphisms and postmenopausal breast cancer risk. Carcinogenesis, 2003, 24, 1533-1539.	2.8	69
129	Different Structural Requirements of the Ligand Binding Domain of the Aryl Hydrocarbon Receptor for High- and Low-Affinity Ligand Binding and Receptor Activation. Molecular Pharmacology, 2004, 65, 416-425.	2.3	69
130	CYP2C19 genotype predicts steady state escitalopram concentration in GENDEP. Journal of Psychopharmacology, 2012, 26, 398-407.	4.0	69
131	Influence of sex on propofol metabolism, a pilot study: implications for propofol anesthesia. European Journal of Clinical Pharmacology, 2012, 68, 397-406.	1.9	69
132	Three-Dimensional Spheroid Primary Human Hepatocytes in Monoculture and Coculture with Nonparenchymal Cells. Tissue Engineering - Part C: Methods, 2018, 24, 534-545.	2.1	69
133	Microsomal epoxide hydrolase polymorphisms and lung cancer risk: a quantitative review. Biomarkers, 2002, 7, 230-241.	1.9	68
134	Mechanisms of Down-Regulation of CYP2E1 Expression by Inflammatory Cytokines in Rat Hepatoma Cells. Journal of Pharmacology and Experimental Therapeutics, 2003, 304, 1048-1054.	2.5	68
135	Potential Role of Epigenetic Mechanisms in the Regulation of Drug Metabolism and Transport. Drug Metabolism and Disposition, 2013, 41, 1725-1731.	3.3	68
136	AMP-activated protein kinase activation and NADPH oxidase inhibition by inorganic nitrate and nitrite prevent liver steatosis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 217-226.	7.1	68
137	Autoantibodies against Cytochromes P-4502E1 and P-4503A in Alcoholics. Molecular Pharmacology, 1999, 55, 223-233.	2.3	66
138	Kupffer cell inactivation alleviates ethanol-induced steatosis and CYP2E1 induction but not inflammatory responses in rat liver. Journal of Hepatology, 2000, 32, 900-910.	3.7	66
139	Human Embryonic Stem Cell Derived Hepatocyte-Like Cells as a Tool for In Vitro Hazard Assessment of Chemical Carcinogenicity. Toxicological Sciences, 2011, 124, 278-290.	3.1	66
140	Novel copy-number variations in pharmacogenes contribute to interindividual differences in drug pharmacokinetics. Genetics in Medicine, 2018, 20, 622-629.	2.4	66
141	Demonstration of a cytochrome P-450-dependent steroid 15Î²-hydroxylase in Bacillus megaterium. Biochemical and Biophysical Research Communications, 1975, 66, 1414-1423.	2.1	65
142	Relationship between cytochrome P450 catalytic cycling and stability: fast degradation of ethanol-inducible cytochrome P450 2E1 (CYP2E1) in hepatoma cells is abolished by inactivation of its electron donor NADPHâ€“cytochrome P450 reductase. Biochemical Journal, 1999, 340, 453-458.	3.7	63
143	Genetic variability in susceptibility and response to toxicants. Toxicology Letters, 2001, 120, 259-268.	0.8	63
144	Expression of CYP2W1 in colon tumors: regulation by gene methylation. Pharmacogenomics, 2007, 8, 1315-1325.	1.3	63

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145	Pharmacogenetic biomarkers as tools for improved drug therapy; emphasis on the cytochrome P450 system. Biochemical and Biophysical Research Communications, 2010, 396, 90-94.	2.1	63
146	Perspectives on Epigenetics and Its Relevance to Adverse Drug Reactions. Clinical Pharmacology and Therapeutics, 2011, 89, 902-907.	4.7	63
147	Mutations in CYP1B1 cause primary congenital glaucoma by reduction of either activity or abundance of the enzyme. Human Mutation, 2008, 29, 1147-1153.	2.5	62
148	Evaluation of Current Regulation and Guidelines of Pharmacogenomic Drug Labels: Opportunities for Improvements. Clinical Pharmacology and Therapeutics, 2020, 107, 1240-1255.	4.7	62
149	Molecular Basis for the Transport of Cytochrome P450 2E1 to the Plasma Membrane. Journal of Biological Chemistry, 2000, 275, 17130-17135.	3.4	61
150	Ontogeny, distribution and potential roles of 5-hydroxymethylcytosine in human liver function. Genome Biology, 2013, 14, R83.	9.6	61
151	Whole-Exome Sequencing Reveals Defective CYP3A4 Variants Predictive of Paclitaxel Dose-Limiting Neuropathy. Clinical Cancer Research, 2015, 21, 322-328.	7.0	61
152	Effects of Dietary Fat Composition on Activities of the Microsomal Ethanol Oxidizing System and Ethanolâ€Inducible Cytochrome P450 (CYP2E1) in the Liver of Rats Chronically Fed Ethanol. Basic and Clinical Pharmacology and Toxicology, 1992, 70, 347-351.	0.0	60
153	Kinetics of omeprazole and escitalopram in relation to the CYP2C19*17 allele in healthy subjects. European Journal of Clinical Pharmacology, 2008, 64, 1175-1179.	1.9	60
154	Induction mechanisms of cytochrome P450 2E1 in liver: Interplay between ethanol treatment and starvation. Biochemical Pharmacology, 1995, 50, 155-161.	4.4	59
155	Expression and Distribution of Cytochrome P450 Enzymes in Male Rat Kidney: Effects of Ethanol, Acetone and Dietary Conditions. Biochemical Pharmacology, 1998, 55, 123-129.	4.4	59
156	Cytokine and Chemokine Expression Associated with Steatohepatitis and Hepatocyte Proliferation in Rats Fed Ethanol via Total Enteral Nutrition. Experimental Biology and Medicine, 2008, 233, 344-355.	2.4	59
157	Glutamate activatesc-fos in glial cells via a novel mechanism involving the glutamate receptor subtype mGlu5 and the transcriptional repressor DREAM. Glia, 2007, 55, 328-340.	4.9	58
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