

Olavi Pelkonen

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182
papers

9,252
citations

52
h-index

89
g-index

209
ext. papers

9,991
ext. citations

4.2
avg, IF

5.65
L-index

#	Paper	IF	Citations
182	Inhibition and induction of human cytochrome P450 enzymes: current status. <i>Archives of Toxicology</i> , 2008 , 82, 667-715	5.8	410
181	Alternative (non-animal) methods for cosmetics testing: current status and future prospects-2010. <i>Archives of Toxicology</i> , 2011 , 85, 367-485	5.8	398
180	Scaling factors for the extrapolation of in vivo metabolic drug clearance from in vitro data: reaching a consensus on values of human microsomal protein and hepatocellularity per gram of liver. <i>Current Drug Metabolism</i> , 2007 , 8, 33-45	3.5	349
179	Age and cytochrome P450-linked drug metabolism in humans: an analysis of 226 subjects with equal histopathologic conditions. <i>Clinical Pharmacology and Therapeutics</i> , 1997 , 61, 331-9	6.1	339
178	Expression and regulation of xenobiotic-metabolizing cytochrome P450 (CYP) enzymes in human lung. <i>Critical Reviews in Toxicology</i> , 2002 , 32, 391-411	5.7	238
177	Diagnosis of polymorphisms in carcinogen-activating and inactivating enzymes and cancer susceptibility--a review. <i>Gene</i> , 1995 , 159, 113-21	3.8	217
176	CYP2A6: a human coumarin 7-hydroxylase. <i>Toxicology</i> , 2000 , 144, 139-47	4.4	188
175	Xenobiotic-metabolizing cytochrome P450 enzymes in the human feto-placental unit: role in intrauterine toxicity. <i>Critical Reviews in Toxicology</i> , 1998 , 28, 35-72	5.7	178
174	Expression of xenobiotic-metabolizing cytochrome P450 forms in human adult and fetal liver. <i>Biochemical Pharmacology</i> , 1994 , 48, 59-64	6	167
173	A roadmap for the development of alternative (non-animal) methods for systemic toxicity testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2012 , 29, 3-91	4.3	153
172	Characterisation and PCR-based detection of a CYP2A6 gene deletion found at a high frequency in a Chinese population. <i>FEBS Letters</i> , 1999 , 448, 105-10	3.8	147
171	Interindividual variability of coumarin 7-hydroxylation in healthy volunteers. <i>Pharmacogenetics and Genomics</i> , 1992 , 2, 227-33		143
170	Identification and characterisation of novel polymorphisms in the CYP2A locus: implications for nicotine metabolism. <i>FEBS Letters</i> , 1999 , 460, 321-7	3.8	135
169	Induction and regulation of xenobiotic-metabolizing cytochrome P450s in the human A549 lung adenocarcinoma cell line. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2000 , 22, 360-6	5.7	134
168	The effect of cimetidine on in vitro and in vivo microsomal drug metabolism in the rat. <i>Biochemical Pharmacology</i> , 1980 , 29, 3075-80	6	133
167	Expression of CYP2A genes in human liver and extrahepatic tissues. <i>Biochemical Pharmacology</i> , 1999 , 57, 1407-13	6	131
166	Metabolism: a bottleneck in in vitro toxicological test development. The report and recommendations of ECVAM workshop 54. <i>ATLA Alternatives To Laboratory Animals</i> , 2006 , 34, 49-84	2.1	124

165	Immunochemical and catalytical studies on hepatic coumarin 7-hydroxylase in man, rat, and mouse. <i>Biochemical Pharmacology</i> , 1988 , 37, 3889-95	6	118
164	Effect of clopidogrel and ticlopidine on cytochrome P450 2B6 activity as measured by bupropion hydroxylation. <i>Clinical Pharmacology and Therapeutics</i> , 2005 , 77, 553-9	6.1	116
163	Polymorphisms of CYP2A6 and its practical consequences. <i>British Journal of Clinical Pharmacology</i> , 2001 , 52, 357-63	3.8	115
162	Multiple P450 substrates in a single run: rapid and comprehensive in vitro interaction assay. <i>European Journal of Pharmaceutical Sciences</i> , 2005 , 24, 123-32	5.1	113
161	Liquid chromatography-mass spectrometry in in vitro drug metabolite screening. <i>Drug Discovery Today</i> , 2009 , 14, 120-33	8.8	109
160	Prediction of drug metabolism and interactions on the basis of in vitro investigations. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2005 , 96, 167-75	3.1	108
159	Genotyping of human cytochrome P450 2A6 (CYP2A6), a nicotine C-oxidase. <i>FEBS Letters</i> , 1998 , 438, 201-5	3.8	106
158	Cimetidine inhibits microsomal drug metabolism in the rat. <i>European Journal of Pharmacology</i> , 1979 , 55, 335-6	5.3	103
157	Comparison of activities of drug-metabolizing enzymes in human fetal and adult livers. <i>Clinical Pharmacology and Therapeutics</i> , 1973 , 14, 840-6	6.1	101
156	Review of current and "omics" methods for assessing the toxicity (genotoxicity, teratogenicity and nephrotoxicity) of herbal medicines and mushrooms. <i>Journal of Ethnopharmacology</i> , 2012 , 140, 492-512 ⁵		99
155	The functional role of CYP2B6 in human drug metabolism: substrates and inhibitors in vitro, in vivo and in silico. <i>Current Drug Metabolism</i> , 2006 , 7, 705-14	3.5	99
154	Toxicokinetics as a key to the integrated toxicity risk assessment based primarily on non-animal approaches. <i>Toxicology in Vitro</i> , 2013 , 27, 1570-7	3.6	92
153	The expression and environmental regulation of P450 enzymes in human placenta. <i>Critical Reviews in Toxicology</i> , 1994 , 24, 211-29	5.7	92
152	Developmental expression of cytochrome P450 enzymes in human liver. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1998 , 82, 209-17		88
151	Selective inhibition of CYP2B6-catalyzed bupropion hydroxylation in human liver microsomes in vitro. <i>Drug Metabolism and Disposition</i> , 2004 , 32, 626-31	4	87
150	Thujone and thujone-containing herbal medicinal and botanical products: toxicological assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2013 , 65, 100-7	3.4	82
149	Regulation of CYP3A5 by glucocorticoids and cigarette smoke in human lung-derived cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003 , 304, 745-52	4.7	82
148	Functional expression, inhibition and induction of CYP enzymes in HepaRG cells. <i>Toxicology in Vitro</i> , 2009 , 23, 748-53	3.6	81

147	In vitro interaction cocktail assay for nine major cytochrome P450 enzymes with 13 probe reactions and a single LC/MSMS run: analytical validation and testing with monoclonal anti-CYP antibodies. <i>Journal of Mass Spectrometry</i> , 2007 , 42, 960-6	2.2	78
146	The expression of cytochrome P450 enzymes in human breast tumours and normal breast tissue. <i>Breast Cancer Research and Treatment</i> , 2001 , 70, 47-54	4.4	78
145	Detection of mRNA encoding xenobiotic-metabolizing cytochrome P450s in human bronchoalveolar macrophages and peripheral blood lymphocytes. <i>Molecular Carcinogenesis</i> , 1997 , 20, 224-30	5	76
144	Liver enzyme induction and serum lipid levels after replacement of carbamazepine with oxcarbazepine. <i>Epilepsia</i> , 1994 , 35, 1217-20	6.4	73
143	Comparative studies on the cytochrome p450-associated metabolism and interaction potential of selegiline between human liver-derived in vitro systems. <i>Drug Metabolism and Disposition</i> , 2003 , 31, 1093-102	4.102	72
142	Rapid detection and characterization of reactive drug metabolites in vitro using several isotope-labeled trapping agents and ultra-performance liquid chromatography/time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 843-55	2.2	71
141	Cytochrome P-450-linked monooxygenase system and drug-induced spectral interactions in human liver microsomes. <i>Chemico-Biological Interactions</i> , 1974 , 9, 205-16	5	65
140	Metabolism of polycyclic hydrocarbons by a highly active aryl hydrocarbon hydroxylase system in the liver of a trout species. <i>Biochemical and Biophysical Research Communications</i> , 1975 , 63, 635-41	3.4	62
139	Characterization of human cytochrome P450 induction by pesticides. <i>Toxicology</i> , 2012 , 294, 17-26	4.4	59
138	Inhibition of cytochrome P450 2B6 activity by hormone replacement therapy and oral contraceptive as measured by bupropion hydroxylation. <i>Clinical Pharmacology and Therapeutics</i> , 2003 , 74, 326-33	6.1	59
137	Cytochrome P450 3A expression in the human fetal liver: evidence that CYP3A5 is expressed in only a limited number of fetal livers. <i>Neonatology</i> , 2001 , 80, 193-201	4	58
136	Biotransformation in vitro: An essential consideration in the quantitative in vitro-to-in vivo extrapolation (QIVIVE) of toxicity data. <i>Toxicology</i> , 2015 , 332, 8-19	4.4	56
135	3,4-Benzpyrene and N-methylaniline metabolizing enzymes in the immature human foetus and placenta. <i>Acta Pharmacologica Et Toxicologica</i> , 1971 , 30, 385-95		56
134	Estrogen receptor alpha genotype confers interindividual variability of response to estrogen and testosterone in mesenchymal-stem-cell-derived osteoblasts. <i>Bone</i> , 2006 , 39, 1026-1034	4.7	56
133	Regulation of the Cyp2a5 gene involves an aryl hydrocarbon receptor-dependent pathway. <i>Molecular Pharmacology</i> , 2005 , 67, 1325-33	4.3	52
132	Comparison of the formation of benzo[a]pyrene diol-epoxide-DNA adducts in vitro by rat and human microsomes: evidence for the involvement of P-450IA1 and P-450IA2. <i>Journal of Biochemical Toxicology</i> , 1989 , 4, 79-86		52
131	Omics and its potential impact on R&D and regulation of complex herbal products. <i>Journal of Ethnopharmacology</i> , 2012 , 140, 587-93	5	50
130	Hepatitis A impairs the function of human hepatic CYP2A6 in vivo. <i>Toxicology</i> , 1997 , 123, 177-84	4.4	50

129	An evaluation of the cytochrome P450 inhibition potential of selected pesticides in human hepatic microsomes. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2009 , 44, 553-63	2.2	49
128	In vitro prediction of gastrointestinal absorption and bioavailability: an experts meeting report. <i>European Journal of Clinical Pharmacology</i> , 2001 , 57, 621-9	2.8	49
127	The role of cytochrome P450 3A (CYP3A) isoform(s) in oxidative metabolism of testosterone and benzphetamine in human adult and fetal liver. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1993 , 44, 61-7	5.1	49
126	Why is Research on Herbal Medicinal Products Important and How Can We Improve Its Quality?. <i>Journal of Traditional and Complementary Medicine</i> , 2014 , 4, 1-7	4.6	48
125	Immunochemical and molecular biological studies on human placental cigarette smoke-inducible cytochrome P-450-dependent monooxygenase activities. <i>Toxicology</i> , 1990 , 62, 175-87	4.4	48
124	Placental transfer and DNA binding of benzo(a)pyrene in human placental perfusion. <i>Toxicology Letters</i> , 2010 , 197, 75-81	4.4	47
123	Analysis of nine drugs and their cytochrome P450-specific probe metabolites from urine by liquid chromatography-tandem mass spectrometry utilizing sub 2 microm particle size column. <i>Journal of Chromatography A</i> , 2008 , 1215, 107-15	4.5	47
122	Cytochrome P450 (CYP) inhibition screening: comparison of three tests. <i>European Journal of Pharmaceutical Sciences</i> , 2006 , 29, 130-8	5.1	45
121	Aryl hydrocarbon hydroxylase in lymphocytes and lung tissue from lung cancer patients and controls. <i>International Journal of Cancer</i> , 1987 , 39, 565-70	7.5	45
120	Metabolic interactions of methoxsalen and coumarin in humans and mice. <i>Biochemical Pharmacology</i> , 1994 , 48, 1363-9	6	44
119	Cytochrome P4502A6 (CYP2A6) expression in human hepatocellular carcinoma. <i>Hepatology</i> , 1998 , 27, 427-32	11.2	43
118	Drug metabolism in human fetal tissues. <i>Life Sciences</i> , 1973 , 13, 1163-1180	6.8	42
117	Hepatocytes: the powerhouse of biotransformation. <i>International Journal of Biochemistry and Cell Biology</i> , 2012 , 44, 257-61	5.6	41
116	Expression of cytochrome P450 genes encoding enzymes active in the metabolism of tamoxifen in human uterine endometrium. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1998 , 82, 93-7		41
115	Timolol metabolism in human liver microsomes is mediated principally by CYP2D6. <i>Drug Metabolism and Disposition</i> , 2007 , 35, 1135-41	4	41
114	Inhibition and induction of CYP enzymes in humans: an update. <i>Archives of Toxicology</i> , 2020 , 94, 3671-3738	3.8	41
113	Scientific Opinion addressing the state of the science on risk assessment of plant protection products for in-soil organisms. <i>EFSA Journal</i> , 2017 , 15, e04690	2.3	40
112	Thyroid and myocardial function after replacement of carbamazepine by oxcarbazepine. <i>Epilepsia</i> , 1995 , 36, 810-6	6.4	40

111	Metabolism of chlorpromazine and p-nitrobenzoic acid in the liver, intestine and kidney of the human foetus. <i>Acta Pharmacologica Et Toxicologica</i> , 1971 , 29, 284-94		39
110	Transfer of lidocaine and bupivacaine across the isolated perfused human placenta. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1995 , 77, 142-8		39
109	Cytochrome P450 isoforms in human fetal tissues related to phenobarbital-inducible forms in the mouse. <i>Biochemical Pharmacology</i> , 1993 , 45, 899-907	6	38
108	Scientific Opinion on the state of the art of Toxicokinetic/Toxicodynamic (TKTD) effect models for regulatory risk assessment of pesticides for aquatic organisms. <i>EFSA Journal</i> , 2018 , 16, e05377	2-3	38
107	Metabolism of ophthalmic timolol: new aspects of an old drug. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2011 , 108, 297-303	3-1	37
106	Cardiac safety of ophthalmic timolol. <i>Expert Opinion on Drug Safety</i> , 2016 , 15, 1549-1561	4-1	35
105	Cytochrome P-450 and drug-induced spectral interactions in the hepatic microsomes of trout, <i>Salmo trutta lacustris</i> . <i>Acta Pharmacologica Et Toxicologica</i> , 1976 , 38, 440-9		35
104	The metabolism of benzo(a)pyrene in isolated perfused lungs from variously-treated rats. <i>Acta Pharmacologica Et Toxicologica</i> , 1977 , 41, 129-40		35
103	Local kinetics and dynamics of xenobiotics. <i>Critical Reviews in Toxicology</i> , 2008 , 38, 697-720	5-7	34
102	In vitro screening of drug metabolism during drug development: can we trust the predictions?. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2005 , 1, 49-59	5-5	34
101	Dual action of oestrogens on the mouse constitutive androstane receptor. <i>Biochemical Journal</i> , 2003 , 376, 465-72	3-8	34
100	Diabetes and elimination of antipyrine in man: an analysis of 298 patients classified by type of diabetes, age, sex, duration of disease and liver involvement. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2002 , 90, 155-60		33
99	A simple method for differentiation of monoisotopic drug metabolites with hydrogen-deuterium exchange liquid chromatography/electrospray mass spectrometry. <i>European Journal of Pharmaceutical Sciences</i> , 2005 , 25, 155-62	5-1	33
98	Human CYPs: in vivo and clinical aspects. <i>Drug Metabolism Reviews</i> , 2002 , 34, 37-46	7	33
97	Cytochrome P450 specificity of metabolism and interactions of oxybutynin in human liver microsomes. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1998 , 82, 161-6		32
96	The inhibition of major human hepatic cytochrome P450 enzymes by 18 pesticides: comparison of the N-in-one and single substrate approaches. <i>Toxicology in Vitro</i> , 2013 , 27, 1584-8	3-6	31
95	Coactivator PGC-1alpha regulates the fasting inducible xenobiotic-metabolizing enzyme CYP2A5 in mouse primary hepatocytes. <i>Toxicology and Applied Pharmacology</i> , 2008 , 232, 135-41	4-6	31
94	Identification of the human cytochrome P450 enzymes involved in the in vitro biotransformation of lynestrenol and norethindrone. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2008 , 110, 56-66	5-1	30

93	Differential inhibition of aryl hydrocarbon hydroxylase in human foetal liver, adrenal gland and placenta*. <i>Acta Pharmacologica Et Toxicologica</i> , 1977 , 41, 306-16		29
92	CYP2A6 gene polymorphism and risk of liver cancer and cirrhosis. <i>Pharmacogenetics and Genomics</i> , 1997 , 7, 247-50		29
91	Cigarette smoking and drug metabolism. <i>Clinical Pharmacology and Therapeutics</i> , 1983 , 33, 375-80	6.1	29
90	Human placental xenobiotic and steroid biotransformations catalyzed by cytochrome P450, epoxide hydrolase, and glutathione S-transferase activities and their relationships to maternal cigarette smoking. <i>Drug Metabolism Reviews</i> , 1989 , 21, 427-61	7	28
89	Metabolism of Ethujone in human hepatic preparations in vitro. <i>Xenobiotica</i> , 2011 , 41, 101-11	2	27
88	Effects of microsomal enzyme inducers in vivo and inhibitors in vitro on the covalent binding of benzo[a]pyrene metabolites to DNA catalyzed by liver microsomes from genetically responsive and nonresponsive mice. <i>Biochemical Pharmacology</i> , 1979 , 28, 111-21	6	27
87	Properties of benzpyrene hydroxylase from human liver and comparison with the rat, rabbit and guinea-pig enzymes. <i>Xenobiotica</i> , 1975 , 5, 501-9	2	27
86	In vivo-in vitro-in silico pharmacokinetic modelling in drug development: current status and future directions. <i>Clinical Pharmacokinetics</i> , 2011 , 50, 483-91	6.2	26
85	Cytochrome P4502A-mediated coumarin 7-hydroxylation and testosterone hydroxylation in mouse and rat lung. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1993 , 72, 107-12		26
84	Drug metabolism in alcoholics 1982 , 16, 261-8		25
83	Spectral interactions of a series of chlorinated hydrocarbons with cytochrome P-450 of liver microsomes from variously-treated rats. <i>FEBS Letters</i> , 1975 , 51, 11-4	3.8	25
82	Cytochrome P450 Induction and Xeno-Sensing Receptors Pregnane X Receptor, Constitutive Androstane Receptor, Aryl Hydrocarbon Receptor and Peroxisome Proliferator-Activated Receptor at the Crossroads of Toxicokinetics and Toxicodynamics. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019 , 103, Suppl 5, 12-50	3.1	24
81	Metabolism of carbosulfan. I. Species differences in the in vitro biotransformation by mammalian hepatic microsomes including human. <i>Chemico-Biological Interactions</i> , 2009 , 181, 210-9	5	24
80	Validation of in vitro methods for human cytochrome P450 enzyme induction: Outcome of a multi-laboratory study. <i>Toxicology in Vitro</i> , 2019 , 60, 212-228	3.6	23
79	Demonstration of cytochrome P-450 in human foetal liver microsomes in early pregnancy. <i>Acta Pharmacologica Et Toxicologica</i> , 1971 , 30, 158-60		23
78	Effects of heme arginate on cytochrome P450-mediated metabolism of drugs in patients with variegate porphyria and in healthy men. <i>Clinical Pharmacology and Therapeutics</i> , 1994 , 56, 9-13	6.1	23
77	Pyrazole is different from acetone and ethanol as an inducer of the polysubstrate monooxygenase system in mice: evidence that pyrazole-inducible P450Coh is distinct from acetone-inducible P450ac. <i>Archives of Biochemistry and Biophysics</i> , 1988 , 267, 589-98	4.1	23
76	From known knowns to known unknowns: predicting in vivo drug metabolites. <i>Bioanalysis</i> , 2009 , 1, 393-414		22

75	Metabolism of carbosulfan II. Human interindividual variability in its in vitro hepatic biotransformation and the identification of the cytochrome P450 isoforms involved. <i>Chemico-Biological Interactions</i> , 2010 , 185, 163-73	5	21
74	CYP2D6 polymorphism is not crucial for the disposition of selegiline. <i>Clinical Pharmacology and Therapeutics</i> , 1998 , 64, 402-11	6.1	20
73	Regulation of Cyp2a5 transcription in mouse primary hepatocytes: roles of hepatocyte nuclear factor 4 and nuclear factor I. <i>Biochemical Journal</i> , 2004 , 381, 887-94	3.8	20
72	Binding of polycyclic aromatic hydrocarbons to DNA: comparison with mutagenesis and tumorigenesis. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1980 , 6, 1009-20	3.2	20
71	Comparison of metabolic stability and metabolite identification of 55 ECVAM/ICCVAM validation compounds between human and rat liver homogenates and microsomes - a preliminary analysis. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2009 , 26, 214-22	4.3	20
70	Principles of Pharmacology and Toxicology Also Govern Effects of Chemicals on the Endocrine System. <i>Toxicological Sciences</i> , 2015 , 146, 11-5	4.4	19
69	Modulation of murine phenobarbital-inducible CYP2A5, CYP2B10 and CYP1A enzymes by inhibitors of protein kinases and phosphatases. <i>FEBS Journal</i> , 1999 , 264, 19-26		19
68	Scientific Opinion on the state of the science on pesticide risk assessment for amphibians and reptiles. <i>EFSA Journal</i> , 2018 , 16, e05125	2.3	18
67	Enzymology and regulation of xenobiotic and steroid metabolism in placenta. <i>Biochemical Society Transactions</i> , 1984 , 12, 42-4	5.1	18
66	Expression of cytochrome P450 (CYP) enzymes in human nonpigmented ciliary epithelial cells: induction of CYP1B1 expression by TCDD 2009 , 50, 3099-105		17
65	Effects of cigarette smoke on rat lung and liver ornithine decarboxylase and aryl hydrocarbon hydroxylase activities and lung benzo(a)pyrene metabolism. <i>Acta Pharmacologica Et Toxicologica</i> , 1983 , 52, 168-74		17
64	Individual expression of carcinogen-metabolizing enzymes: cytochrome P4502A. <i>Journal of Occupational and Environmental Medicine</i> , 1995 , 37, 19-24	2	17
63	Comparison between cobalt and pyrazole in the increased expression of coumarin 7-hydroxylase in mouse liver. <i>Biochemical Pharmacology</i> , 1991 , 41, 462-5	6	17
62	Analytical challenges for conducting rapid metabolism characterization for QIVIVE. <i>Toxicology</i> , 2015 , 332, 20-9	4.4	16
61	Human variation and CYP enzyme contribution in benfuracarb metabolism in human in vitro hepatic models. <i>Toxicology Letters</i> , 2014 , 224, 300-9	4.4	16
60	Comparative metabolism of benfuracarb in in vitro mammalian hepatic microsomes model and its implications for chemical risk assessment. <i>Toxicology Letters</i> , 2014 , 224, 290-9	4.4	16
59	Comparative effects of medetomidine enantiomers on in vitro and in vivo microsomal drug metabolism. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1991 , 69, 189-94		16
58	Estimation of health risk by using toxicokinetic modelling: a case study of polychlorinated biphenyl PCB153. <i>Journal of Hazardous Materials</i> , 2013 , 261, 1-10	12.8	14

57	3,4-Benzpyrene and aniline are hydroxylated by human fetal liver but not by placenta at 6-7 weeks of fetal age. <i>Biochemical Pharmacology</i> , 1973 , 22, 1538-40	6	14
56	Effects of selective serotonin reuptake inhibitors on timolol metabolism in human liver microsomes and cryo-preserved hepatocytes. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010 , 106, 302-9	3.1	13
55	Induction of CYP2A5 by pyrazole and its derivatives in mouse primary hepatocytes. <i>Archives of Toxicology</i> , 1998 , 72, 336-41	5.8	13
54	Toxicokinetics and metabolism. <i>ATLA Alternatives To Laboratory Animals</i> , 2005 , 33 Suppl 1, 147-75	2.1	13
53	Regulation of CYP 2 A 5 induction by porphyrinogenic agents in mouse primary hepatocytes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1997 , 355, 8-13	3.4	13
52	Inhibition of hepatic microsomal drug metabolism in rats by five calcium antagonists. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1989 , 64, 446-50		13
51	Reactive metabolites in early drug development: predictive in vitro tools. <i>Current Medicinal Chemistry</i> , 2015 , 22, 538-50	4.3	13
50	Tandem mass spectrometric analysis of S- and N-linked glutathione conjugates of pulegone and menthofuran and identification of P450 enzymes mediating their formation. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 917-26	2.2	13
49	Investigation into experimental toxicological properties of plant protection products having a potential link to Parkinson disease and childhood leukaemia. <i>EFSA Journal</i> , 2017 , 15, e04691	2.3	12
48	Chemical exposure and infant leukaemia: development of an adverse outcome pathway (AOP) for aetiology and risk assessment research. <i>Archives of Toxicology</i> , 2017 , 91, 2763-2780	5.8	11
47	Scientific Opinion of the PPR Panel on the follow-up of the findings of the External Scientific Report Literature review of epidemiological studies linking exposure to pesticides and health effects. <i>EFSA Journal</i> , 2017 , 15, e05007	2.3	11
46	Open letter to the European Commission: scientifically unfounded precaution drives European Commission recommendations on EDC regulation, while defying common sense, well-established science, and risk assessment principles. <i>Archives of Toxicology</i> , 2013 , 87, 1739-41	5.8	11
45	In vitro methods in the prediction of kinetics of drugs: focus on drug metabolism. <i>ATLA Alternatives To Laboratory Animals</i> , 2004 , 32, 425-30	2.1	11
44	Retrovirus-mediated stable expression of human CYP2A6 in mammalian cells. <i>European Journal of Pharmacology - Environmental Toxicology and Pharmacology Section</i> , 1993 , 248, 95-102		11
43	Cholesterol side-chain cleavage activity in human placenta and bovine adrenals: an one-step method for separation of pregnenolone formed in vitro. <i>Steroids</i> , 1984 , 43, 517-27	2.8	11
42	Ospemifene metabolism in humans in vitro and in vivo: metabolite identification, quantitation, and CYP assignment of major hydroxylations. <i>Drug Metabolism and Drug Interactions</i> , 2013 , 28, 153-61		10
41	Environmental factors of enzyme induction and inhibition 1987 , 33, 115-20		10
40	Scientific opinion on pesticides in foods for infants and young children. <i>EFSA Journal</i> , 2018 , 16, e05286	2.3	10

39	Formation of GSH-trapped reactive metabolites in human liver microsomes, S9 fraction, HepaRG-cells, and human hepatocytes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 115, 345-51	3.5	9
38	Preservation, induction or incorporation of metabolism into the in vitro cellular system - views to current opportunities and limitations. <i>Toxicology in Vitro</i> , 2013 , 27, 1578-83	3.6	9
37	Establishing a systematic framework to characterise in vitro methods for human hepatic metabolic clearance. <i>Toxicology in Vitro</i> , 2018 , 53, 233-244	3.6	8
36	Scientific statement on the coverage of bats by the current pesticide risk assessment for birds and mammals. <i>EFSA Journal</i> , 2019 , 17, e05758	2.3	8
35	Effects of ospemifene on drug metabolism mediated by cytochrome P450 enzymes in humans in vitro and in vivo. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 14064-75	6.3	8
34	Cytochrome P450 enzyme activity in five herbivorous, non-passerine bird species. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2003 , 134, 69-77	3.2	8
33	Human exposure to synthetic endocrine disrupting chemicals (S-EDCs) is generally negligible as compared to natural compounds with higher or comparable endocrine activity. How to evaluate the risk of the S-EDCs?. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2020 , 83, 485-494	3.2	7
32	Significant interspecies differences in induction profiles of hepatic CYP enzymes by TCDD in bank and field voles. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 663-71	3.8	7
31	Effects of cytochrome P450 inhibitors and inducers on the metabolism and pharmacokinetics of ospemifene. <i>Biopharmaceutics and Drug Disposition</i> , 2013 , 34, 387-95	1.7	7
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