

Michael Murray

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

102
papers

2,609
citations

31
h-index

47
g-index

107
ext. papers

2,870
ext. citations

5.2
avg, IF

5.35
L-index

#	Paper	IF	Citations
102	Differential alterations of cytochrome P450 proteins in livers from patients with severe chronic liver disease. <i>Hepatology</i> , 1995 , 21, 120-128	11.2	159
101	P450 enzymes. Inhibition mechanisms, genetic regulation and effects of liver disease. <i>Clinical Pharmacokinetics</i> , 1992 , 23, 132-46	6.2	130
100	Mechanisms of inhibitory and regulatory effects of methylenedioxyphenyl compounds on cytochrome P450-dependent drug oxidation. <i>Current Drug Metabolism</i> , 2000 , 1, 67-84	3.5	126
99	Altered CYP expression and function in response to dietary factors: potential roles in disease pathogenesis. <i>Current Drug Metabolism</i> , 2006 , 7, 67-81	3.5	122
98	Modulation of angiogenesis by omega-3 polyunsaturated fatty acids is mediated by cyclooxygenases. <i>Blood</i> , 2008 , 111, 3514-21	2.2	97
97	Pharmacogenetics of phase I and phase II drug metabolism. <i>Current Pharmaceutical Design</i> , 2010 , 16, 204-19	3.3	81
96	Role of CYP pharmacogenetics and drug-drug interactions in the efficacy and safety of atypical and other antipsychotic agents. <i>Journal of Pharmacy and Pharmacology</i> , 2006 , 58, 871-85	4.8	80
95	Mechanisms of the inhibition of cytochrome P-450-mediated drug oxidation by therapeutic agents. <i>Drug Metabolism Reviews</i> , 1987 , 18, 55-81	7	77
94	Participation of CYP2C8 and CYP3A4 in the N-demethylation of imatinib in human hepatic microsomes. <i>British Journal of Pharmacology</i> , 2010 , 161, 1059-69	8.6	62
93	Effects of dihydrosafrole on cytochromes P-450 and drug oxidation in hepatic microsomes from control and induced rats. <i>Toxicology and Applied Pharmacology</i> , 1983 , 68, 66-76	4.6	55
92	Pretranslational down-regulation of cytochromes P450 2C11 and 3A2 in male rat liver by tumor necrosis factor alpha. <i>Gastroenterology</i> , 1995 , 109, 198-205	13.3	51
91	Drug-mediated inactivation of cytochrome P450. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1997 , 24, 465-70	3	50
90	Selective inhibition of human solute carrier transporters by multikinase inhibitors. <i>Drug Metabolism and Disposition</i> , 2014 , 42, 1851-7	4	46
89	In vitro effects of quinoline derivatives on cytochrome P-450 and aminopyrine N-demethylase activity in rat hepatic microsomes. <i>Biochemical Pharmacology</i> , 1984 , 33, 3277-81	6	46
88	CYP-mediated clozapine interactions: how predictable are they?. <i>Current Drug Metabolism</i> , 2007 , 8, 307-13	3.5	45
87	The 13 epoxide of eicosapentaenoic acid inhibits endothelial cell proliferation by p38 MAP kinase activation and cyclin D1/CDK4 down-regulation. <i>British Journal of Pharmacology</i> , 2011 , 162, 1143-55	8.6	44
86	Anti-tumor activities of lipids and lipid analogues and their development as potential anticancer drugs. <i>Pharmacology & Therapeutics</i> , 2015 , 150, 109-28	13.9	42

85	Impaired androgen 16 alpha-hydroxylation in hepatic microsomes from carbon tetrachloride-cirrhotic male rats. <i>Gastroenterology</i> , 1987 , 93, 141-7	13.3	42
84	Role of human CYP3A4 in the biotransformation of sorafenib to its major oxidized metabolites. <i>Biochemical Pharmacology</i> , 2012 , 84, 215-23	6	41
83	Protein kinase C regulates the internalization and function of the human organic anion transporting polypeptide 1A2. <i>British Journal of Pharmacology</i> , 2011 , 162, 1380-8	8.6	41
82	Influence of genetic polymorphisms on the pharmacokinetics and pharmaco-dynamics of sulfonylurea drugs. <i>Current Drug Metabolism</i> , 2009 , 10, 643-58	3.5	41
81	Role of activator protein-1 in the down-regulation of the human CYP2J2 gene in hypoxia. <i>Biochemical Journal</i> , 2003 , 373, 669-80	3.8	41
80	Recent advance in the pharmacogenomics of human Solute Carrier Transporters (SLCs) in drug disposition. <i>Advanced Drug Delivery Reviews</i> , 2017 , 116, 21-36	18.5	40
79	In vitro and in vivo studies of the effect of vitamin E on microsomal cytochrome P450 in rat liver. <i>Biochemical Pharmacology</i> , 1991 , 42, 2107-14	6	37
78	Increased expression of cytochrome P450 IIIA2 in male rat liver after dietary vitamin A supplementation. <i>Archives of Biochemistry and Biophysics</i> , 1991 , 286, 618-24	4.1	36
77	Complexation of cytochrome P-450 isozymes in hepatic microsomes from SKF 525-A-induced rats. <i>Archives of Biochemistry and Biophysics</i> , 1988 , 262, 381-8	4.1	36
76	Functional analysis of novel polymorphisms in the human SLCO1A2 gene that encodes the transporter OATP1A2. <i>AAPS Journal</i> , 2013 , 15, 1099-108	3.7	33
75	A liquid chromatography/electrospray ionization mass spectrometry (LC-MS/MS) assay for the determination of irinotecan (CPT-11) and its two major metabolites in human liver microsomal incubations and human plasma samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 875, 522-30	3.2	33
74	Human cytochrome P450 isoforms. <i>Gastroenterology</i> , 1990 , 99, 885-889	13.3	33
73	Functional characterization of nonsynonymous single nucleotide polymorphisms in the human organic anion transporter 4 (hOAT4). <i>British Journal of Pharmacology</i> , 2010 , 159, 419-27	8.6	32
72	Trafficking and other regulatory mechanisms for organic anion transporting polypeptides and organic anion transporters that modulate cellular drug and xenobiotic influx and that are dysregulated in disease. <i>British Journal of Pharmacology</i> , 2017 , 174, 1908-1924	8.6	31
71	Impaired microsomal oxidation of the atypical antipsychotic agent clozapine in hepatic steatosis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 322, 770-7	4.7	31
70	A high-throughput assay using liquid chromatography-tandem mass spectrometry for simultaneous in vivo phenotyping of 5 major cytochrome p450 enzymes in patients. <i>Therapeutic Drug Monitoring</i> , 2009 , 31, 239-46	3.2	29
69	Inhibition and metabolite complexation of rat hepatic microsomal cytochrome P450 by tricyclic antidepressants. <i>Biochemical Pharmacology</i> , 1992 , 43, 2065-71	6	29
68	Downregulation of male-specific cytochrome P450s 2C11 and 3A2 in bile duct ligated male rats: Importance to reduced hepatic content of cytochrome P450 in cholestasis. <i>Hepatology</i> , 1995 , 22, 580-587 ^{11.2}	11.2	27

67	Selective reactivation of steroid hydroxylases following dissociation of the isosafrole metabolite complex with rat hepatic cytochrome P-450. <i>Archives of Biochemistry and Biophysics</i> , 1986 , 251, 471-8	4.1	27
66	Up-regulation of human CYP2J2 in HepG2 cells by butylated hydroxyanisole is mediated by c-Jun and Nrf2. <i>Molecular Pharmacology</i> , 2010 , 77, 987-94	4.3	26
65	Antiproliferative and antimigratory actions of synthetic long chain n-3 monounsaturated fatty acids in breast cancer cells that overexpress cyclooxygenase-2. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 7163-72	8.3	25
64	Interindividual variation in relative CYP1A2/3A4 phenotype influences susceptibility of clozapine oxidation to cytochrome P450-specific inhibition in human hepatic microsomes. <i>Drug Metabolism and Disposition</i> , 2008 , 36, 2547-55	4	25
63	Synthetic Ω epoxyfatty acids as antiproliferative and pro-apoptotic agents in human breast cancer cells. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 7459-64	8.3	24
62	A novel synthetic analogue of Ω 17,18-epoxyeicosatetraenoic acid activates TNF receptor-1/ASK1/JNK signaling to promote apoptosis in human breast cancer cells. <i>FASEB Journal</i> , 2017 , 31, 5246-5257	0.9	23
61	Participation of a cytochrome P450 enzyme from the 2C subfamily in progesterone 21-hydroxylation in sheep liver. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1992 , 43, 591-3	5.1	22
60	PDZK1 and NHERF1 regulate the function of human organic anion transporting polypeptide 1A2 (OATP1A2) by modulating its subcellular trafficking and stability. <i>PLoS ONE</i> , 2014 , 9, e94712	3.7	22
59	CYP2J2 - regulation, function and polymorphism. <i>Drug Metabolism Reviews</i> , 2016 , 48, 351-68	7	19
58	Putative transmembrane domain 6 of the human organic anion transporting polypeptide 1A2 (OATP1A2) influences transporter substrate binding, protein trafficking, and quality control. <i>Molecular Pharmaceutics</i> , 2015 , 12, 111-9	5.6	19
57	Characterization of a c-Jun-responsive module in the 5Sflank of the human CYP2J2 gene that regulates transactivation. <i>Biochemical Journal</i> , 2005 , 391, 631-40	3.8	19
56	Activation of ALDH1A1 in MDA-MB-468 breast cancer cells that over-express CYP2J2 protects against paclitaxel-dependent cell death mediated by reactive oxygen species. <i>Biochemical Pharmacology</i> , 2017 , 143, 79-89	6	18
55	Effect of genetic obesity and experimental diabetes on hepatic microsomal mixed function oxidase activities. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1990 , 5, 256-63	4	18
54	Synthesis of unsymmetrical biaryl ureas from N-carbamoylimidazoles: kinetics and application. <i>Tetrahedron</i> , 2012 , 68, 6065-6070	2.4	17
53	Methylenedioxyphenyl compounds as inducers of cytochrome P-450 and monooxygenase activity in the southern armyworm (<i>Spodoptera eridania</i>) and the rat. <i>Pesticide Biochemistry and Physiology</i> , 1986 , 26, 310-322	4.9	16
52	Nanoemulsion-Enabled Oral Delivery of Novel Anticancer Ω Fatty Acid Derivatives. <i>Nanomaterials</i> , 2018 , 8,	5.4	16
51	Cytochrome P450-Mediated Biotransformation of Sorafenib and Its N-Oxide Metabolite: Implications for Cell Viability and Human Toxicity. <i>Chemical Research in Toxicology</i> , 2015 , 28, 92-102	4	15
50	Pretranslational upregulation of microsomal CYP4A in rat liver by intake of a high-sucrose, lipid-devoid diet containing orotic acid. <i>Biochemical Pharmacology</i> , 2005 , 69, 709-17	6	15

49	A Novel Arylurea Fatty Acid That Targets the Mitochondrion and Depletes Cardiolipin To Promote Killing of Breast Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 8661-8666	8.3	14
48	EB Polyunsaturated fatty acids and their metabolites as inhibitors of mammalian tumorigenesis. <i>Phytochemistry Reviews</i> , 2014 , 13, 139-156	7.7	14
47	Impaired transactivation of the human CYP2J2 arachidonic acid epoxygenase gene in HepG2 cells subjected to nitrate stress. <i>British Journal of Pharmacology</i> , 2010 , 159, 1440-9	8.6	14
46	Toxicological actions of plant-derived and anthropogenic methylenedioxyphenyl-substituted chemicals in mammals and insects. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2012 , 15, 365-95	8.6	13
45	Role of signalling systems in the effects of dietary factors on the expression of mammalian CYPs. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2007 , 3, 185-96	5.5	13
44	Selectivity and sensitivity of changes in serum bile acids during induction of cirrhosis in rats. <i>Hepatology</i> , 1993 , 18, 1224-1231	11.2	13
43	Restoration of cytochrome P450 2C11 in vitamin A-deficient rat liver by exogenous androgen. <i>FASEB Journal</i> , 1996 , 10, 1058-63	0.9	12
42	Prostanoids regulate angiogenesis acting primarily on IP and EP4 receptors. <i>Microvascular Research</i> , 2015 , 101, 127-34	3.7	11
41	Casein Kinase 2 Is a Novel Regulator of the Human Organic Anion Transporting Polypeptide 1A2 (OATP1A2) Trafficking. <i>Molecular Pharmaceutics</i> , 2016 , 13, 144-54	5.6	10
40	Lipid analogues as potential drugs for the regulation of mitochondrial cell death. <i>British Journal of Pharmacology</i> , 2014 , 171, 2051-66	8.6	10
39	The multikinase inhibitor axitinib is a potent inhibitor of human CYP1A2. <i>Biochemical Pharmacology</i> , 2014 , 88, 245-52	6	9
38	Impaired irinotecan biotransformation in hepatic microsomal fractions from patients with chronic liver disease. <i>British Journal of Clinical Pharmacology</i> , 2010 , 70, 400-8	3.8	9
37	Phospho-STAT5 accumulation in nuclear fractions from vitamin A-deficient rat liver. <i>FEBS Letters</i> , 2005 , 579, 3669-73	3.8	9
36	The involvement of human organic anion transporting polypeptides (OATPs) in drug-herb/food interactions. <i>Chinese Medicine</i> , 2020 , 15, 71	4.7	9
35	Simvastatin protects photoreceptors from oxidative stress induced by all-trans-retinal, through the up-regulation of interphotoreceptor retinoid binding protein. <i>British Journal of Pharmacology</i> , 2019 , 176, 2063-2078	8.6	8
34	Pro-migratory actions of the prostacyclin receptor in human breast cancer cells that over-express cyclooxygenase-2. <i>Biochemical Pharmacology</i> , 2015 , 96, 306-14	6	8
33	Betulinic acid derivatives can protect human Müller cells from glutamate-induced oxidative stress. <i>Experimental Cell Research</i> , 2019 , 383, 111509	4.2	8
32	Kava dermatopathy in Fiji: an acquired ichthyosis?. <i>International Journal of Dermatology</i> , 2014 , 53, 1490-4	1.7	8

31	Aryl urea substituted fatty acids: a new class of protonophoric mitochondrial uncoupler that utilises a synthetic anion transporter. <i>Chemical Science</i> , 2020 , 11, 12677-12685	9.4	8
30	Differential effects of hepatic cirrhosis on the intrinsic clearances of sorafenib and imatinib by CYPs in human liver. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 114, 55-63	5.1	8
29	Sorafenib N-Oxide Is an Inhibitor of Human Hepatic CYP3A4. <i>AAPS Journal</i> , 2019 , 21, 15	3.7	7
28	Variation in the Response of Clozapine Biotransformation Pathways in Human Hepatic Microsomes to CYP1A2- and CYP3A4-selective Inhibitors. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2018 , 122, 388-395	3.1	7
27	Facile and stereoselective synthesis of (Z)-15-octadecenoic acid and (Z)-16-nonadecenoic acid: monounsaturated omega-3 fatty acids. <i>Lipids</i> , 2010 , 45, 159-65	1.6	6
26	Methylenedioxyphenyl complexes with microsomal cytochrome P-450: In vivo complex formation in rat liver and in midgut tissues of the Southern armyworm (<i>Spodoptera eridania</i>). <i>Pesticide Biochemistry and Physiology</i> , 1987 , 28, 140-147	4.9	6
25	Cytochromes P450: decision-making tools for personalized therapeutics. <i>Current Opinion in Molecular Therapeutics</i> , 2006 , 8, 480-6		6
24	Activation of the pro-migratory bone morphogenetic protein receptor 1B gene in human MDA-MB-468 triple-negative breast cancer cells that over-express CYP2J2. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 80, 173-178	5.6	5
23	Roles of mitogen-activated protein kinases in the regulation of CYP genes. <i>Current Drug Metabolism</i> , 2010 , 11, 850-8	3.5	5
22	The participation of cytochrome P450 3A4 in clozapine biotransformation is detected in people with schizophrenia by high-throughput in vivo phenotyping. <i>Journal of Clinical Psychopharmacology</i> , 2010 , 30, 629-31	1.7	5
21	All-trans-retinoic acid 4-hydroxylation in human liver microsomes: in vitro modulation by therapeutic retinoids. <i>British Journal of Clinical Pharmacology</i> , 1996 , 41, 609-12	3.8	5
20	The Role of N-Glycosylation in Maintaining the Transporter Activity and Expression of Human Oligopeptide Transporter 1. <i>Molecular Pharmaceutics</i> , 2016 , 13, 3449-3456	5.6	4
19	Quantitative Structure-Activity Relationships in the Displacement of the Dihydrosofrole Metabolite-Cytochrome P-450 Complex. <i>QSAR and Combinatorial Science</i> , 1985 , 4, 18-22		4
18	Procyanidin B2 and rutin in Ginkgo biloba extracts protect human retinal pigment epithelial (RPE) cells from oxidative stress by modulating Nrf2 and Erk1/2 signalling. <i>Experimental Eye Research</i> , 2021 , 207, 108586	3.7	4
17	Aryl-urea fatty acids that activate the p38 MAP kinase and down-regulate multiple cyclins decrease the viability of MDA-MB-231 breast cancer cells. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 129, 87-98	5.1	4
16	The 5SAMP-Activated Protein Kinase Regulates the Function and Expression of Human Organic Anion Transporting Polypeptide 1A2. <i>Molecular Pharmacology</i> , 2018 , 94, 1412-1420	4.3	4
15	Carboxylate Analogues of Aryl-Urea-Substituted Fatty Acids That Target the Mitochondria in MDA-MB-231 Breast Cancer Cells to Promote Cell Death. <i>ChemMedChem</i> , 2018 , 13, 1036-1043	3.7	3
14	The Potential Application of Pentacyclic Triterpenoids in the Prevention and Treatment of Retinal Diseases. <i>Planta Medica</i> , 2021 , 87, 511-527	3.1	3

13	Compritol solid lipid nanoparticle formulations enhance the protective effect of betulinic acid derivatives in human MLLer cells against oxidative injury.. <i>Experimental Eye Research</i> , 2021 , 215, 108906	3.7	2
12	Inhibition of Hepatic CYP2D6 by the Active N-Oxide Metabolite of Sorafenib. <i>AAPS Journal</i> , 2019 , 21, 107	3.7	1
11	Liquid Chromatography-Tandem Mass Spectrometry Assay Suitable for Quantifying Omega-3 Epoxy-Fatty Acid Analogs in Mouse Brain and Plasma. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015 , 38, 891-897	1.3	1
10	Inhibition of hepatic microsomal monooxygenase activity by cinchocaine: mechanistic studies and effects of ionization. <i>Journal of Pharmacy and Pharmacology</i> , 1986 , 38, 472-5	4.8	1
9	Cytochromes P450: Roles in the Biotransformation of Chemicals in Cigarette Smoke and Impact of Smoking Cessation on Concurrent Drug Therapy. <i>Journal of Smoking Cessation</i> , 2010 , 5, 107-114	0.5	1
8	Different effects of short- and long-term dietary choline-deficiency on hepatic microsomal phospholipids and drug oxidation. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1987 , 2, 27-33 ⁴		1
7	Omega-3 Polyunsaturated Fatty Acid Derived Lipid Mediators and their Application in Drug Discovery. <i>Current Medicinal Chemistry</i> , 2020 , 27, 1670-1689	4.3	1
6	Carbon Chain Length Modulates MDA-MB-231 Breast Cancer Cell Killing Mechanisms by Mitochondrially Targeted Aryl-Urea Fatty Acids. <i>ChemMedChem</i> , 2020 , 15, 247-255	3.7	1
5	Differential inhibition of human CYP2C8 and molecular docking interactions elicited by sorafenib and its major N-oxide metabolite. <i>Chemico-Biological Interactions</i> , 2021 , 338, 109401	5	1
4	Impaired Transport Activity of Human Organic Anion Transporters (OATs) and Organic Anion Transporting Polypeptides (OATPs) by Wnt Inhibitors. <i>Journal of Pharmaceutical Sciences</i> , 2021 , 110, 914-924	3.9	1
3	The aryl-ureido fatty acid CTU activates endoplasmic reticulum stress and PERK/NOXA-mediated apoptosis in tumor cells by a dual mitochondrial-targeting mechanism. <i>Cancer Letters</i> , 2021 , 526, 131-141 ^{9.9}		0
2	Development of new therapeutic options for the treatment of uveal melanoma. <i>FEBS Journal</i> , 2021 , 288, 6226-6249	5.7	0
1	PTU, a novel ureido-fatty acid, inhibits MDA-MB-231 cell invasion and dissemination by modulating Wnt5a secretion and cytoskeletal signaling. <i>Biochemical Pharmacology</i> , 2021 , 192, 114726	6	