

# Ian R Phillips

## List of Publications by Year in descending order

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77  
papers

4,209  
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136950

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110387

64  
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79  
all docs

79  
docs citations

79  
times ranked

2698  
citing authors

#	ARTICLE	IF	CITATIONS
1	The P450 Gene Superfamily: Recommended Nomenclature. <i>DNA and Cell Biology</i> , 1987, 6, 1-11.	5.2	790
2	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.	5.2	663
3	Trimethylamine and Trimethylamine N-Oxide, a Flavin-Containing Monooxygenase 3 (FMO3)-Mediated Host-Microbiome Metabolic Axis Implicated in Health and Disease. <i>Drug Metabolism and Disposition</i> , 2016, 44, 1839-1850.	3.3	248
4	Organization and evolution of the flavin-containing monooxygenase genes of human and mouse. <i>Pharmacogenetics and Genomics</i> , 2004, 14, 117-130.	5.7	151
5	The molecular biology of the flavin-containing monooxygenases of man. <i>Chemico-Biological Interactions</i> , 1995, 96, 17-32.	4.0	135
6	Differential Developmental and Tissue-Specific Regulation of Expression of the Genes Encoding Three Members of the Flavin-Containing Monooxygenase Family of Man, FMO1, FMO3 and FMO4. <i>FEBS Journal</i> , 1996, 235, 683-689.	0.2	129
7	Quantification and cellular localization of expression in human skin of genes encoding flavin-containing monooxygenases and cytochromes P450 2 2 Abbreviations: FMO, flavin-containing monooxygenase; CYP, cytochrome P450; KGM, keratinocyte growth medium; DMEM, Dulbecco's modified Eagle's medium. <i>Biochemical Pharmacology</i> , 2001, 62, 777-786.	4.4	123
8	The Flavin-containing Monooxygenase 2 Gene (FMO2) of Humans, but Not of Other Primates, Encodes a Truncated, Nonfunctional Protein. <i>Journal of Biological Chemistry</i> , 1998, 273, 30599-30607.	3.4	122
9	Flavin-containing monooxygenases: mutations, disease and drug response. <i>Trends in Pharmacological Sciences</i> , 2008, 29, 294-301.	8.7	115
10	Cell-, tissue-, sex- and developmental stage-specific expression of mouse flavin-containing monooxygenases (Fmos). <i>Biochemical Pharmacology</i> , 2004, 68, 73-83.	4.4	106
11	Trimethylaminuria and a human FMO3 mutation database. <i>Human Mutation</i> , 2003, 22, 209-213.	2.5	98
12	Orphan Receptor Promiscuity in the Induction of Cytochromes P450 by Xenobiotics. <i>Journal of Biological Chemistry</i> , 2001, 276, 12822-12826.	3.4	92
13	Drug metabolism by flavin-containing monooxygenases of human and mouse. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2017, 13, 167-181.	3.3	82
14	The effect of terpenoid compounds on cytochrome P-450 levels in rat liver. <i>Biochemical Pharmacology</i> , 1988, 37, 2223-2229.	4.4	72
15	Compound heterozygosity for missense mutations in the flavin-containing monooxygenase 3 (FMO3) gene in patients with fish-odour syndrome. <i>Pharmacogenetics and Genomics</i> , 2000, 10, 799-807.	5.7	64
16	Maintenance and induction in co-cultured rat hepatocytes of components of the cytochrome P450-mediated mono-oxygenase. <i>Biochemical Pharmacology</i> , 1993, 45, 1583-1591.	4.4	61
17	A rapid one-step purification of NADPH-cytochrome c (P-450) reductase from rat liver microsomes. <i>Analytical Biochemistry</i> , 1983, 129, 430-433.	2.4	57
18	Induction of cytochrome P-450 by phenobarbital is mediated at the level of transcription. <i>Biochemical Pharmacology</i> , 1985, 34, 2489-2494.	4.4	52

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19	Structural Organization of the Human Flavin-Containing Monooxygenase 3 Gene (FMO3), the Favored Candidate for Fish-Odor Syndrome, Determined Directly from Genomic DNA. <i>Genomics</i> , 1997, 46, 260-267.	2.9	51
20	GENETIC POLYMORPHISMS OF FLAVIN-CONTAINING MONOOXYGENASE (FMO). <i>Drug Metabolism Reviews</i> , 2002, 34, 523-532.	3.6	50
21	Quantification of cytochrome P450 reductase gene expression in human tissues. <i>Archives of Biochemistry and Biophysics</i> , 1992, 294, 168-172.	3.0	44
22	Flavin-containing monooxygenase 3 (FMO3): genetic variants and their consequences for drug metabolism and disease. <i>Xenobiotica</i> , 2020, 50, 19-33.	1.1	44
23	The potentially deleterious functional variant flavin-containing monooxygenase 2*1 is at high frequency throughout sub-Saharan Africa. <i>Pharmacogenetics and Genomics</i> , 2008, 18, 877-886.	1.5	43
24	Localization of cytochrome P-450 gene expression in normal and diseased human liver by in situ hybridization of wax-embedded archival material. <i>Hepatology</i> , 1992, 16, 682-687.	7.3	42
25	The phenotype of a flavin-containing monooxygenase knockout mouse implicates the drug-metabolizing enzyme FMO1 as a novel regulator of energy balance. <i>Biochemical Pharmacology</i> , 2014, 90, 88-95.	4.4	41
26	Flavin-Containing Monooxygenase 1 Catalyzes the Production of Taurine from Hypotaurine. <i>Drug Metabolism and Disposition</i> , 2020, 48, 378-385.	3.3	40
27	The phenotype of a knockout mouse identifies flavin-containing monooxygenase 5 (FMO5) as a regulator of metabolic ageing. <i>Biochemical Pharmacology</i> , 2015, 96, 267-277.	4.4	39
28	Human Flavin-Containing Monooxygenase 2.1 Catalyzes Oxygenation of the Antitubercular Drugs Thiacetazone and Ethionamide. <i>Drug Metabolism and Disposition</i> , 2009, 37, 178-186.	3.3	38
29	Cloning and sequence analysis of a rat liver cDNA coding for a phenobarbital-inducible microheterogeneous cytochrome P-450 variant: regulation of its messenger level by xenobiotics. <i>Gene</i> , 1983, 26, 41-52.	2.2	33
30	The Flavin-Containing Monooxygenases (FMOs): Genetic Variation and its Consequences for the Metabolism of Therapeutic Drugs. <i>Current Pharmacogenomics and Personalized Medicine: the International Journal for Expert Reviews in Pharmacogenomics</i> , 2007, 5, 292-313.	0.3	33
31	Molecular evolution and balancing selection in the flavin-containing monooxygenase 3 gene (FMO3). <i>Pharmacogenetics and Genomics</i> , 2007, 17, 827-839.	1.5	33
32	Alternative promoters and repetitive DNA elements define the species-dependent tissue-specific expression of the <i>FMO1</i> genes of human and mouse. <i>Biochemical Journal</i> , 2007, 406, 491-499.	3.7	30
33	Effect of Flavin-Containing Monooxygenase Genotype, Mouse Strain, and Gender on Trimethylamine N-oxide Production, Plasma Cholesterol Concentration, and an Index of Atherosclerosis. <i>Drug Metabolism and Disposition</i> , 2018, 46, 20-25.	3.3	30
34	The second zinc atom in the matrix metalloproteinase catalytic domain is absent in the full-length enzymes: a possible role for the C-terminal domain. <i>FEBS Letters</i> , 1995, 358, 189-192.	2.8	25
35	Clinical utility gene card for: Trimethylaminuria “ update 2014. <i>European Journal of Human Genetics</i> , 2015, 23, 1269-1269.	2.8	25
36	Identification of Flavin-Containing Monooxygenase 5 (FMO5) as a Regulator of Glucose Homeostasis and a Potential Sensor of Gut Bacteria. <i>Drug Metabolism and Disposition</i> , 2017, 45, 982-989.	3.3	25

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37	Hormonal Control of Carbonic Anhydrase III. <i>Annals of the New York Academy of Sciences</i> , 1984, 429, 287-301.	3.8	24
38	Transfection of Liver In Vivo by Biolistic Particle Delivery: Its Use in the Investigation of Cytochrome P450 Gene Regulation. <i>Molecular Biotechnology</i> , 2002, 20, 145-152.	2.4	23
39	Deletion of the mouse <i>Fmo1</i> gene results in enhanced pharmacological behavioural responses to imipramine. <i>Pharmacogenetics and Genomics</i> , 2009, 19, 289-299.	1.5	22
40	Effects of the Anticonvulsant, Valproate, on the Expression of Components of the Cytochrome-P-450-Mediated Monooxygenase System and Glutathione S-Transferases. <i>FEBS Journal</i> , 1995, 231, 337-343.	0.2	22
41	Differential effect of phenobarbital and $\beta$ -naphthoflavone on the mRNAs coding for cytochrome P450 and NADPH cytochrome P450 reductase. <i>FEBS Letters</i> , 1982, 150, 375-380.	2.8	19
42	Effect of ethanol on the expression of hepatic glutathione S-transferase: an in vivo/in vitro study. <i>Biochemical Pharmacology</i> , 2000, 60, 1491-1496.	4.4	18
43	Relationships between flavin-containing monooxygenase 3 ( <i>FMO3</i> ) genotype and trimethylaminuria phenotype in a Japanese population. <i>British Journal of Clinical Pharmacology</i> , 2014, 77, 839-851.	2.4	18
44	Complexes of cytochrome P450 with metyrapone. <i>FEBS Letters</i> , 1982, 148, 302-306.	2.8	17
45	A highly sensitive liquid chromatography electrospray ionization mass spectrometry method for quantification of TMA, TMAO and creatinine in mouse urine. <i>MethodsX</i> , 2017, 4, 310-319.	1.6	17
46	The potential of knockout mouse lines in defining the role of flavin-containing monooxygenases in drug metabolism. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2010, 6, 1083-1094.	3.3	15
47	Metabolism and Pharmacokinetics of the Anti-Tuberculosis Drug Ethionamide in a Flavin-Containing Monooxygenase Null Mouse. <i>Pharmaceuticals</i> , 2012, 5, 1147-1159.	3.8	14
48	Metabolic Biomarkers of Ageing in C57BL/6J Wild-Type and Flavin-Containing Monooxygenase 5 (FMO5)-Knockout Mice. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 28.	3.5	14
49	The Pyruvate Dehydrogenase Complex: Cloning of the Rat Somatic E1 $\beta$ Subunit and Its Coordinate Expression with the mRNAs for the E1 $\alpha$ , E2, and E3 Catalytic Subunits in Developing Rat Brain. <i>Journal of Neurochemistry</i> , 1994, 62, 1682-1690.	3.9	12
50	Evidence for the resumption of DNA replication prior to histone synthesis in HeLa cells after release from treatment with hydroxyurea. <i>FEBS Letters</i> , 1982, 140, 189-192.	2.8	11
51	Effects of the Anticonvulsant, Valproate, on the Expression of Components of the Cytochrome-P-450-Mediated Monooxygenase System and Glutathione S-Transferases. <i>FEBS Journal</i> , 1995, 231, 337-343.	0.2	10
52	Isolation and characterization of genes coding for cytochrome <i>b5</i> and cytochrome- <i>b5</i> reductase. <i>Biochemical Society Transactions</i> , 1989, 17, 194-195.	3.4	9
53	Endogenous Roles of Mammalian Flavin-Containing Monooxygenases. <i>Catalysts</i> , 2019, 9, 1001.	3.5	9
54	Microheterogeneity in a cytochrome P-450 multigene family. <i>Biochemical Society Transactions</i> , 1984, 12, 669-670.	3.4	7

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55	Expression of cytochrome <i>P</i> -450 genes in rat hepatoma cells. <i>Biochemical Society Transactions</i> , 1987, 15, 625-626.	3.4	7
56	Factors controlling the expression of genes coding for drug-metabolizing enzymes. <i>Biochemical Society Transactions</i> , 1983, 11, 460-463.	3.4	6
57	Structure and expression of genes coding for components of the cytochrome <i>P</i> -450-mediated mono-oxygenase. <i>Biochemical Society Transactions</i> , 1987, 15, 573-575.	3.4	6
58	Quantification of cytochrome P-450 gene expression in human tissues. <i>Biochemical Society Transactions</i> , 1990, 18, 615-616.	3.4	6
59	Synthesis of rat muscle carbonic anhydrase III in a cell-free translation system. <i>FEBS Letters</i> , 1982, 148, 122-126.	2.8	5
60	Congenital diseases: Complementary genes for an adrenal enzyme deficiency. <i>Nature</i> , 1985, 314, 130-131.	27.8	5
61	Tissue-specific expression of cytochrome P-450 genes. <i>Biochemical Society Transactions</i> , 1987, 15, 626-627.	3.4	3
62	Structure and expression of human cytochrome <i>P</i> -450 genes. <i>Biochemical Society Transactions</i> , 1989, 17, 192-193.	3.4	3
63	Maintenance of cytochrome P-450IA2, IIB1 and IIB2 mRNAs by metyrapone in rat hepatocyte culture. <i>Biochemical Society Transactions</i> , 1990, 18, 1203-1203.	3.4	3
64	Phosphorylation and dephosphorylation of chromosomal proteins during in vitro transcription. <i>Cell Differentiation</i> , 1981, 10, 23-31.	0.4	2
65	Regulation of cytochrome P450B2 gene expression. <i>Biochemical Society Transactions</i> , 1994, 22, 125S-125S.	3.4	2
66	Flavin-containing monooxygenases: new structures from old proteins. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 3-4.	8.2	2
67	Structure and expression of human cytochrome <i>P</i> -450 genes. <i>Biochemical Society Transactions</i> , 1987, 15, 627-628.	3.4	1
68	Responses and reactions. <i>Nature</i> , 1992, 359, 444-444.	27.8	1
69	Identification of DNA sequences involved in the transcription of a CYP2B2 gene. <i>Biochemical Society Transactions</i> , 1994, 22, 121S-121S.	3.4	1
70	Expression in a baculovirus system of a cDNA encoding human CYP2A6. <i>Biochemical Society Transactions</i> , 1994, 22, 122S-122S.	3.4	1
71	Long-term preservation and induction of drug metabolizing enzymes in co-cultured rat hepatocytes. <i>Biochemical Society Transactions</i> , 1994, 22, 124S-124S.	3.4	1
72	Characterization of Targeted Mouse Embryonic Stem Cell Chromosomes: <i>Karyotyping and Fluorescence In Situ Hybridization of Metaphase Spreads</i> . , 2006, 320, 321-328.		1

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73	Cloning of cDNA coding for a rat liver protein whose expression is subject to gender-specific regulation by xenobiotics. Biochemical Society Transactions, 1984, 12, 103-104.	3.4	0
74	Structural and mechanistic studies on citrate synthase by nuclear magnetic resonance and Fourier transform infra-red spectroscopies. Biochemical Society Transactions, 1990, 18, 596-597.	3.4	0
75	Cell systems capable of sustaining phenobarbital induction of CYP2B genes. Biochemical Society Transactions, 1994, 22, 120S-120S.	3.4	0
76	Regulation of CYP2B gene expression in the intestinal mucosa. Biochemical Society Transactions, 1994, 22, 123S-123S.	3.4	0
77	IMMORTALIZED HEPATOCYTES FROM TRANSGENIC MICE. Biochemical Society Transactions, 1997, 25, 42S-42S.	3.4	0