

# Masahiko Negishi

## List of Publications by Year in descending order

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268  
papers

19,371  
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271  
docs citations

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times ranked

8131  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | The Nuclear Orphan Receptor CAR-Retinoid X Receptor Heterodimer Activates the Phenobarbital-Responsive Enhancer Module of the <i>CYP2B</i> Gene. <i>Molecular and Cellular Biology</i> , 1998, 18, 5652-5658.                     | 2.3  | 678       |
| 2  | The Repressed Nuclear Receptor CAR Responds to Phenobarbital in Activating the Human CYP2B6 Gene. <i>Journal of Biological Chemistry</i> , 1999, 274, 6043-6046.  | 3.4  | 600       |
| 3  | Phenobarbital-Responsive Nuclear Translocation of the Receptor CAR in Induction of the <i>CYP2B</i> Gene. <i>Molecular and Cellular Biology</i> , 1999, 19, 6318-6322.  | 2.3  | 523       |
| 4  | Diverse Roles of the Nuclear Orphan Receptor CAR in Regulating Hepatic Genes in Response to Phenobarbital. <i>Molecular Pharmacology</i> , 2002, 61, 1-6.   | 2.3  | 446       |
| 5  | Alteration of mouse cytochrome P450c <sub>oh</sub> substrate specificity by mutation of a single amino-acid residue. <i>Nature</i> , 1989, 339, 632-634.  | 27.8 | 416       |
| 6  | CAR and PXR: The xenobiotic-sensing receptors. <i>Steroids</i> , 2007, 72, 231-246.   | 1.8  | 394       |
| 7  | Regulation of cytochrome P450 (CYP) genes by nuclear receptors. <i>Biochemical Journal</i> , 2000, 347, 321-337.  | 3.7  | 383       |
| 8  | PHENOBARBITALRESPONSEELEMENTS OFCYTOCHROME P450 GENES ANDNUCLEARRECEPTORS. <i>Annual Review of Pharmacology and Toxicology</i> , 2001, 41, 123-143.   | 9.4  | 356       |
| 9  | The phenobarbital response enhancer module in the human bilirubin UDP-glucuronosyltransferase UGT1A1 gene and regulation by the nuclear receptor CAR. <i>Hepatology</i> , 2001, 33, 1232-1238.                                    | 7.3  | 333       |
| 10 | The Orphan Nuclear Receptor Constitutive Active/Androstane Receptor Is Essential for Liver Tumor Promotion by Phenobarbital in Mice. <i>Cancer Research</i> , 2004, 64, 7197-7200.  | 0.9  | 324       |
| 11 | Structure and Function of Sulfotransferases. <i>Archives of Biochemistry and Biophysics</i> , 2001, 390, 149-157.   | 3.0  | 306       |
| 12 | Genetic Mechanisms Controlling the Induction of Polysubstrate Monooxygenase (P-450) Activities. <i>Annual Review of Pharmacology and Toxicology</i> , 1981, 21, 431-462.  | 9.4  | 297       |
| 13 | Nuclear Receptors CAR and PXR Cross Talk with FOXO1 To Regulate Genes That Encode Drug-Metabolizing and Gluconeogenic Enzymes. <i>Molecular and Cellular Biology</i> , 2004, 24, 7931-7940.                                       | 2.3  | 295       |
| 14 | Relative Activation of Human Pregnane X Receptor versus Constitutive Androstane Receptor Defines Distinct Classes of CYP2B6 and CYP3A4 Inducers. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 72-80. | 2.5  | 281       |
| 15 | Regulation of cytochrome P450 (CYP) genes by nuclear receptors. <i>Biochemical Journal</i> , 2000, 347, 321.  | 3.7  | 274       |
| 16 | Complementary Roles of Farnesoid X Receptor, Pregnane X Receptor, and Constitutive Androstane Receptor in Protection against Bile Acid Toxicity. <i>Journal of Biological Chemistry</i> , 2003, 278, 45062-45071.                 | 3.4  | 272       |
| 17 | Crystal structure of estrogen sulphotransferase. <i>Nature Structural and Molecular Biology</i> , 1997, 4, 904-908.   | 8.2  | 263       |
| 18 | The Ah locus: Correlation of intranuclear appearance of inducer-receptor complex with induction of cytochrome P1-450 mRNA. <i>Cell</i> , 1982, 31, 275-284.   | 28.9 | 209       |

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|----|--|-----|-----------|
| 19 | Induction of Human CYP2C9 by Rifampicin, Hyperforin, and Phenobarbital Is Mediated by the Pregnane X Receptor. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 308, 495-501.  | 2.5 | 206       |
| 20 | Identification of a Defect in the UGT1A1 Gene Promoter and Its Association with Hyperbilirubinemia. <i>Biochemical and Biophysical Research Communications</i> , 2002, 292, 492-497.   | 2.1 | 201       |
| 21 | A Novel Distal Enhancer Module Regulated by Pregnane X Receptor/Constitutive Androstane Receptor Is Essential for the Maximal Induction of CYP2B6 Gene Expression. <i>Journal of Biological Chemistry</i> , 2003, 278, 14146-14152.            | 3.4 | 195       |
| 22 | Human CYP2C8 Is Transcriptionally Regulated by the Nuclear Receptors Constitutive Androstane Receptor, Pregnane X Receptor, Glucocorticoid Receptor, and Hepatic Nuclear Factor 4 $\beta$ . <i>Molecular Pharmacology</i> , 2005, 68, 747-757. | 2.3 | 185       |
| 23 | Heparan/Chondroitin Sulfate Biosynthesis. <i>Journal of Biological Chemistry</i> , 2000, 275, 34580-34585.   | 3.4 | 178       |
| 24 | REGULATION OF CYP2B6 IN PRIMARY HUMAN HEPATOCYTES BY PROTOTYPICAL INDUCERS. <i>Drug Metabolism and Disposition</i> , 2004, 32, 348-358.  | 3.3 | 177       |
| 25 | Cytoplasmic Accumulation of the Nuclear Receptor CAR by a Tetratricopeptide Repeat Protein in HepG2 Cells. <i>Molecular Pharmacology</i> , 2003, 64, 1069-1075.  | 2.3 | 173       |
| 26 | Synthesis and insertion of cytochrome P-450 into endoplasmic reticulum membranes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1980, 77, 965-969.   | 7.1 | 172       |
| 27 | Differential Regulation of Hepatic CYP2B6 and CYP3A4 Genes by Constitutive Androstane Receptor but Not Pregnane X Receptor. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 317, 1200-1209.                               | 2.5 | 171       |
| 28 | Activation by Diverse Xenochemicals of the 51-Base Pair Phenobarbital-Responsive Enhancer Module in the CYP2B10Gene. <i>Molecular Pharmacology</i> , 1998, 53, 597-601.  | 2.3 | 170       |
| 29 | Cytoplasmic Localization of Pregnane X Receptor and Ligand-dependent Nuclear Translocation in Mouse Liver. <i>Journal of Biological Chemistry</i> , 2004, 279, 49307-49314.  | 3.4 | 163       |
| 30 | Phenobarbital Indirectly Activates the Constitutive Active Androstane Receptor (CAR) by Inhibition of Epidermal Growth Factor Receptor Signaling. <i>Science Signaling</i> , 2013, 6, ra31.  | 3.6 | 163       |
| 31 | Drug-activated nuclear receptors CAR and PXR. <i>Annals of Medicine</i> , 2003, 35, 172-182.   | 3.8 | 161       |
| 32 | Identification of Constitutive Androstane Receptor and Glucocorticoid Receptor Binding Sites in the CYP2C19 Promoter. <i>Molecular Pharmacology</i> , 2003, 64, 316-324.   | 2.3 | 160       |
| 33 | Conserved structural motifs in the sulfotransferase family. <i>Trends in Biochemical Sciences</i> , 1998, 23, 129-130.   | 7.5 | 158       |
| 34 | Nuclear Pregnane X Receptor Cross-talk with FoxA2 to Mediate Drug-induced Regulation of Lipid Metabolism in Fasting Mouse Liver. <i>Journal of Biological Chemistry</i> , 2007, 282, 9768-9776.  | 3.4 | 156       |
| 35 | Estrogen Activation of the Nuclear Orphan Receptor CAR (Constitutive Active Receptor) in Induction of the Mouse Cyp2b10Gene. <i>Molecular Endocrinology</i> , 2000, 14, 1897-1905.   | 3.7 | 153       |
| 36 | The Peptide Near the C Terminus Regulates Receptor CAR Nuclear Translocation Induced by Xenochemicals in Mouse Liver. <i>Molecular and Cellular Biology</i> , 2001, 21, 2838-2846.   | 2.3 | 152       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Multiple forms of cytochrome P-450 and the importance of molecular biology and evolution. <i>Biochemical Pharmacology</i> , 1982, 31, 2311-2317.   | 4.4 | 149       |
| 38 | Regulation of Human CYP2C9 by the Constitutive Androstane Receptor: Discovery of a New Distal Binding Site. <i>Molecular Pharmacology</i> , 2002, 62, 737-746.   | 2.3 | 149       |
| 39 | Identification of the nuclear receptor CAR:HSP90 complex in mouse liver and recruitment of protein phosphatase 2A in response to phenobarbital. <i>FEBS Letters</i> , 2003, 548, 17-20.  | 2.8 | 147       |
| 40 | Estrogen Receptor $\alpha$ Mediates 17 $\beta$ -Ethinylestradiol Causing Hepatotoxicity*. <i>Journal of Biological Chemistry</i> , 2006, 281, 16625-16631.   | 3.4 | 140       |
| 41 | CAR, Driving into the Future. <i>Molecular Endocrinology</i> , 2004, 18, 1589-1598.  | 3.7 | 137       |
| 42 | Human Constitutive Androstane Receptor Mediates Induction of CYP2B6 Gene Expression by Phenytoin. <i>Journal of Biological Chemistry</i> , 2004, 279, 29295-29301.   | 3.4 | 136       |
| 43 | The Sulfuryl Transfer Mechanism. <i>Journal of Biological Chemistry</i> , 1998, 273, 27325-27330.  | 3.4 | 135       |
| 44 | Transcriptional Regulation of Human UGT1A1 Gene Expression: Activated Glucocorticoid Receptor Enhances constitutive Androstane Receptor/Pregnane X Receptor-Mediated UDP-Glucuronosyltransferase 1A1 Regulation with Glucocorticoid Receptor-Interacting Protein 1. <i>Molecular Pharmacology</i> , 2005, 67, 845-855. | 2.3 | 134       |
| 45 | Characterization of a Phenobarbital-responsive Enhancer Module in Mouse P450 Cyp2b10 Gene. <i>Journal of Biological Chemistry</i> , 1997, 272, 14943-14949.  | 3.4 | 128       |
| 46 | Crystal Structure of the Sulfotransferase Domain of Human Heparan Sulfate N-Deacetylase/N-Sulfotransferase 1. <i>Journal of Biological Chemistry</i> , 1999, 274, 10673-10676.   | 3.4 | 128       |
| 47 | The Roles of Nuclear Receptors CAR and PXR in Hepatic Energy Metabolism. <i>Drug Metabolism and Pharmacokinetics</i> , 2008, 23, 8-13.   | 2.2 | 122       |
| 48 | Crystal structure of human catecholamine sulfotransferase 1 Edited by R. Huber. <i>Journal of Molecular Biology</i> , 1999, 293, 521-530.  | 4.2 | 119       |
| 49 | Dephosphorylation of Threonine 38 Is Required for Nuclear Translocation and Activation of Human Xenobiotic Receptor CAR (NR1I3). <i>Journal of Biological Chemistry</i> , 2009, 284, 34785-34792.  | 3.4 | 117       |
| 50 | Transcriptional Regulation of Cytochrome P450 2B Genes by Nuclear Receptors. <i>Current Drug Metabolism</i> , 2003, 4, 515-525.  | 1.2 | 116       |
| 51 | Phenobarbital-Elicited Activation of Nuclear Receptor CAR in Induction of Cytochrome P450 Genes. <i>Biochemical and Biophysical Research Communications</i> , 2000, 277, 1-6.  | 2.1 | 109       |
| 52 | Characterization of Phenobarbital-inducible Mouse Cyp2b10 Gene Transcription in Primary Hepatocytes. <i>Journal of Biological Chemistry</i> , 1996, 271, 9746-9753.  | 3.4 | 107       |
| 53 | Crystal Structure of the Human Estrogen Sulfotransferase-PAPS Complex. <i>Journal of Biological Chemistry</i> , 2002, 277, 17928-17932.  | 3.4 | 107       |
| 54 | The Nuclear Receptors Constitutive Androstane Receptor and Pregnane X Receptor Cross-Talk with Hepatic Nuclear Factor $\alpha$ to Synergistically Activate the Human CYP2C9 Promoter. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 314, 1125-1133.   | 2.5 | 104       |

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|----|---|-----|-----------|
| 55 | Human nuclear pregnane X receptor cross-talk with CREB to repress cAMP activation of the glucose-6-phosphatase gene. <i>Biochemical Journal</i> , 2007, 407, 373-381.   | 3.7 | 103       |
| 56 | Mouse steroid 15.alpha.-hydroxylase gene family: identification of type II P-45015.alpha. as coumarin 7-hydroxylase. <i>Biochemistry</i> , 1989, 28, 4169-4172.   | 2.5 | 102       |
| 57 | The Environmental Pollutant 1,1-Dichloro-2,2-bis (p-chlorophenyl)ethylene Induces Rat Hepatic Cytochrome P450 2B and 3A Expression through the Constitutive Androstane Receptor and Pregnane X Receptor. <i>Molecular Pharmacology</i> , 2003, 64, 474-481. | 2.3 | 100       |
| 58 | The Ah Locus, A Multigene Family Necessary for Survival in A Chemically Adverse Environment: Comparison With the Immune System. <i>Advances in Genetics</i> , 1982, 21, 1-52.   | 1.8 | 99        |
| 59 | The dimerization motif of cytosolic sulfotransferases. <i>FEBS Letters</i> , 2001, 490, 39-43.  | 2.8 | 99        |
| 60 | Crystal structure of SULT2A3, human hydroxysteroid sulfotransferase. <i>FEBS Letters</i> , 2000, 475, 61-64.  | 2.8 | 98        |
| 61 | Protein serine/threonine phosphatase inhibitors suppress phenobarbital-induced Cyp2b10 gene transcription in mouse primary hepatocytes. <i>Biochemical Journal</i> , 1998, 330, 889-895.  | 3.7 | 97        |
| 62 | Role of Constitutive Androstane Receptor in the In Vivo Induction of Mrp3 and CYP2B1/2 by Phenobarbital. <i>Drug Metabolism and Disposition</i> , 2002, 30, 918-923.  | 3.3 | 97        |
| 63 | Crystal Structure of an $\hat{\pm}$ 1,4-N-Acetylhexosaminyltransferase (EXTL2), a Member of the Exostosin Gene Family Involved in Heparan Sulfate Biosynthesis. <i>Journal of Biological Chemistry</i> , 2003, 278, 14420-14428.                            | 3.4 | 95        |
| 64 | The Peripheral Benzodiazepine Receptor Ligand 1-(2-Chlorophenyl-methylpropyl)-3-isoquinoline-carboxamide Is a Novel Antagonist of Human Constitutive Androstane Receptor. <i>Molecular Pharmacology</i> , 2008, 74, 443-453.                                | 2.3 | 92        |
| 65 | Glucocorticoid Receptor Enhancement of Pregnane X Receptor-Mediated CYP2B6 Regulation in Primary Human Hepatocytes. <i>Drug Metabolism and Disposition</i> , 2003, 31, 620-630.   | 3.3 | 89        |
| 66 | Nuclear receptors CAR and PXR in the regulation of hepatic metabolism. <i>Xenobiotica</i> , 2006, 36, 1152-1163.  | 1.1 | 84        |
| 67 | A DNA methylation site in the male-specific P450 (Cyp 2d-9) promoter and binding of the heteromeric transcription factor GABP. <i>Molecular and Cellular Biology</i> , 1995, 15, 5355-5362.   | 2.3 | 83        |
| 68 | Nuclear Receptor CAR as a Regulatory Factor for the Sexually Dimorphic Induction of CYP2B1 Gene by Phenobarbital in Rat Livers. <i>Molecular Pharmacology</i> , 2001, 59, 278-284.  | 2.3 | 83        |
| 69 | New Insights on the Xenobiotic-Sensing Nuclear Receptors in Liver Diseases " CAR and PXR-. <i>Current Drug Metabolism</i> , 2008, 9, 614-621.   | 1.2 | 81        |
| 70 | Discovery of Estrogen Sulfotransferase Inhibitors from a Purine Library Screen. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 2683-2686.  | 6.4 | 79        |
| 71 | Structural Analysis of the Sulfotransferase (3-O-Sulfotransferase Isoform 3) Involved in the Biosynthesis of an Entry Receptor for Herpes Simplex Virus 1. <i>Journal of Biological Chemistry</i> , 2004, 279, 45185-45193.                                 | 3.4 | 77        |
| 72 | Regulation of gene expression by CAR: an update. <i>Archives of Toxicology</i> , 2015, 89, 1045-1055.   | 4.2 | 75        |

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|----|--|------|-----------|
| 73 | The role of the nuclear receptor constitutive androstane receptor in the pathogenesis of non-alcoholic steatohepatitis. <i>Gut</i> , 2007, 56, 565-574.  | 12.1 | 74        |
| 74 | The Structure, Function, and Regulation of Cytochrome P450 2A Enzymes. <i>Drug Metabolism Reviews</i> , 1997, 29, 977-996.   | 3.6  | 72        |
| 75 | Isolation and characterization of a cloned DNA sequence associated with the murine Ah locus and a 3-methylcholanthrene-induced form of cytochrome P-450. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1981, 78, 800-804.       | 7.1  | 71        |
| 76 | Extracellular Signal-Regulated Kinase Is an Endogenous Signal Retaining the Nuclear Constitutive Active/Androstane Receptor (CAR) in the Cytoplasm of Mouse Primary Hepatocytes. <i>Molecular Pharmacology</i> , 2007, 71, 1217-1221.                                      | 2.3  | 71        |
| 77 | Crystal Structure of Human Cholesterol Sulfotransferase (SULT2B1b) in the Presence of Pregnenolone and 3 $\epsilon$ -Phosphoadenosine 5 $\alpha$ -Phosphate. <i>Journal of Biological Chemistry</i> , 2003, 278, 44593-44599.  | 3.4  | 70        |
| 78 | Phenobarbital Confers its Diverse Effects by Activating the Orphan Nuclear Receptor Car. <i>Drug Metabolism Reviews</i> , 2006, 38, 75-87.   | 3.6  | 70        |
| 79 | Structural analysis by X-ray crystallography and calorimetry of a haemagglutinin component (HA1) of the progenitor toxin from <i>Clostridium botulinum</i> . <i>Microbiology (United Kingdom)</i> , 2003, 149, 3361-3370.  | 1.8  | 69        |
| 80 | Structural flexibility and functional versatility of mammalian P450 enzymes. <i>FASEB Journal</i> , 1996, 10, 683-689.   | 0.5  | 68        |
| 81 | IDENTIFICATION OF HMG-CoA REDUCTASE INHIBITORS AS ACTIVATORS FOR HUMAN, MOUSE AND RAT CONSTITUTIVE ANDROSTANE RECEPTOR. <i>Drug Metabolism and Disposition</i> , 2005, 33, 924-929.  | 3.3  | 68        |
| 82 | 2-O-Phosphorylation of Xylose and 6-O-Sulfation of Galactose in the Protein Linkage Region of Glycosaminoglycans Influence the Glucuronyltransferase-I Activity Involved in the Linkage Region Synthesis. <i>Journal of Biological Chemistry</i> , 2008, 283, 16801-16807. | 3.4  | 68        |
| 83 | SLC13A5 Is a Novel Transcriptional Target of the Pregnane X Receptor and Sensitizes Drug-Induced Steatosis in Human Liver. <i>Molecular Pharmacology</i> , 2015, 87, 674-682.  | 2.3  | 68        |
| 84 | Regulatory DNA elements of phenobarbital-responsive cytochrome P450 CYP2B genes. <i>Journal of Biochemical and Molecular Toxicology</i> , 1998, 12, 3-9.   | 3.0  | 67        |
| 85 | Developmental Action of Estrogen Receptor- $\beta$ Feminizes the Growth Hormone-Stat5b Pathway and Expression of <i>Cyp2a4</i> and <i>Cyp2d9</i> Genes in Mouse Liver. <i>Molecular Pharmacology</i> , 1999, 56, 473-477.  | 2.3  | 67        |
| 86 | Crystal Structure of $\beta$ 1,3-Glucuronyltransferase I in Complex with Active Donor Substrate UDP-GlcUA. <i>Journal of Biological Chemistry</i> , 2002, 277, 21869-21873.  | 3.4  | 67        |
| 87 | Gene family of male-specific testosterone 16.alpha.-hydroxylase (C-P-45016.alpha.) in mouse liver: cDNA sequences, neonatal imprinting, and reversible regulation by androgen. <i>Biochemistry</i> , 1987, 26, 8683-8690.  | 2.5  | 64        |
| 88 | The role of the nuclear receptor CAR as a coordinate regulator of hepatic gene expression in defense against chemical toxicity. <i>Archives of Biochemistry and Biophysics</i> , 2003, 409, 207-211.   | 3.0  | 64        |
| 89 | Crystal Structure and Mutational Analysis of Heparan Sulfate 3-O-Sulfotransferase Isoform 1. <i>Journal of Biological Chemistry</i> , 2004, 279, 25789-25797.  | 3.4  | 64        |
| 90 | Serine 202 Regulates the Nuclear Translocation of Constitutive Active/Androstane Receptor. <i>Molecular Pharmacology</i> , 2006, 69, 1095-1102.  | 2.3  | 63        |

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|-----|--|-----|-----------|
| 91  | Crystallographic analysis of a hydroxylated polychlorinated biphenyl (OH-PCB) bound to the catalytic estrogen binding site of human estrogen sulfotransferase.. <i>Environmental Health Perspectives</i> , 2003, 111, 884-888. | 6.0 | 62        |
| 92  | Cellular Localization and Regulation of Expression of Testicular Estrogen Sulfotransferase. <i>Endocrinology</i> , 1997, 138, 5006-5012.   | 2.8 | 60        |
| 93  | Phenobarbital induction of drug/steroid-metabolizing enzymes and nuclear receptor CAR. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003, 1619, 239-242.  | 2.4 | 60        |
| 94  | Pregnane X Receptor PXR Activates the GADD45 $\beta$ Gene, Eliciting the p38 MAPK Signal and Cell Migration. <i>Journal of Biological Chemistry</i> , 2011, 286, 3570-3578.  | 3.4 | 60        |
| 95  | Rip locus: regulation of female-specific isozyme (I-P-45016.alpha.) of testosterone 16.alpha.-hydroxylase in mouse liver, chromosome localization, and cloning of P-450 cDNA. <i>Biochemistry</i> , 1988, 27, 6434-6443.       | 2.5 | 59        |
| 96  | Substrate Gating Confers Steroid Specificity to Estrogen Sulfotransferase. <i>Journal of Biological Chemistry</i> , 1999, 274, 30019-30022.  | 3.4 | 59        |
| 97  | Crystal structure-based studies of cytosolic sulfotransferase. <i>Journal of Biochemical and Molecular Toxicology</i> , 2001, 15, 67-75.   | 3.0 | 59        |
| 98  | Identification of <i>Ginkgo biloba</i> as a Novel Activator of Pregnane X Receptor. <i>Drug Metabolism and Disposition</i> , 2008, 36, 2270-2276.  | 3.3 | 59        |
| 99  | Purification and Partial Characterization of Hepatic Microsomal Cytochrome P-450s from Phenobarbital-and 3-Methylcholanthrene-Treated Rats1. <i>Journal of Biochemistry</i> , 1979, 86, 1383-1394.                             | 1.7 | 57        |
| 100 | Sexually dimorphic DNA demethylation in the promoter of the Slp (sex-limited protein) gene in mouse liver.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 1302-1306.      | 7.1 | 57        |
| 101 | Separation of acetanilide and its hydroxylated metabolites and quantitative determination of acetanilide 4-hydroxylase activity by high-pressure liquid chromatography. <i>Analytical Biochemistry</i> , 1979, 96, 201-207.    | 2.4 | 56        |
| 102 | Glucosaminylglycan biosynthesis: what we can learn from the X-ray crystal structures of glycosyltransferases GlcAT1 and EXTL2. <i>Biochemical and Biophysical Research Communications</i> , 2003, 303, 393-398.                | 2.1 | 56        |
| 103 | Biosynthesis of cytochrome P-450 on membrane-bound ribosomes and its subsequent incorporation into rough and smooth microsomes in rat hepatocytes.. <i>Journal of Cell Biology</i> , 1979, 81, 510-519.                        | 5.2 | 53        |
| 104 | A nuclear factor (NF2d9) that binds to the male-specific P450 (Cyp 2d-9) gene in mouse liver. <i>Molecular and Cellular Biology</i> , 1995, 15, 4158-4166.   | 2.3 | 52        |
| 105 | Posttranscriptional regulation of coumarin 7-hydroxylase induction by xenobiotics in mouse liver: mRNA stabilization by pyrazole. <i>Biochemistry</i> , 1991, 30, 8041-8045.   | 2.5 | 51        |
| 106 | Site-directed mutagenesis of mouse steroid 7 $\alpha$ -hydroxylase (cytochrome P-4507 $\alpha$ ): role of residue-209 in determining steroid-cytochrome P-450 interaction. <i>Biochemical Journal</i> , 1993, 291, 569-573.    | 3.7 | 51        |
| 107 | Interaction of Aflatoxin B1 with Cytochrome P450 2A5 and Its Mutants: Correlation with Metabolic Activation and Toxicity. <i>Chemical Research in Toxicology</i> , 1997, 10, 85-90.  | 3.3 | 51        |
| 108 | Promoter CpG methylation of Hox-a10 and Hox-a11 in mouse uterus not altered upon neonatal diethylstilbestrol exposure. <i>Molecular Carcinogenesis</i> , 2001, 32, 213-219.  | 2.7 | 51        |

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|-----|--|-----|-----------|
| 109 | Novel CAR-mediated Mechanism for Synergistic Activation of Two Distinct Elements within the Human Cytochrome P450 2B6 Gene in HepG2 Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 3458-3466.  | 3.4 | 51        |
| 110 | Statin-activated nuclear receptor PXR promotes SGK2 dephosphorylation by scaffolding PP2C to induce hepatic gluconeogenesis. <i>Scientific Reports</i> , 2015, 5, 14076.   | 3.3 | 51        |
| 111 | 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, 13-18.   | 0.2 | 50        |
| 112 | The Constitutive Active/Androstane Receptor Regulates Phenytoin Induction of Cyp2c29. <i>Molecular Pharmacology</i> , 2004, 65, 1397-1404.   | 2.3 | 50        |
| 113 | Regulation of the Human UGT1A1 Gene by Nuclear Receptors Constitutive Active/Androstane Receptor, Pregnane X Receptor, and Glucocorticoid Receptor. <i>Methods in Enzymology</i> , 2005, 400, 92-104.  | 1.0 | 50        |
| 114 | Active ERK1/2 Protein Interacts with the Phosphorylated Nuclear Constitutive Active/Androstane Receptor (CAR; NR113), Repressing Dephosphorylation and Sequestering CAR in the Cytoplasm. <i>Journal of Biological Chemistry</i> , 2011, 286, 35763-35769. | 3.4 | 50        |
| 115 | Estrogen Activation of the Nuclear Orphan Receptor CAR (Constitutive Active Receptor) in Induction of the Mouse Cyp2b10 Gene. <i>Molecular Endocrinology</i> , 2000, 14, 1897-1905.  | 3.7 | 50        |
| 116 | Nuclear Receptor CAR Represses TNF $\alpha$ -Induced Cell Death by Interacting with the Anti-Apoptotic GADD45B. <i>PLoS ONE</i> , 2010, 5, e10121.   | 2.5 | 50        |
| 117 | A role of Lys614 in the sulfotransferase activity of human heparan sulfate N-deacetylase/N-sulfotransferase. <i>FEBS Letters</i> , 1998, 433, 211-214.   | 2.8 | 48        |
| 118 | The Human Sulfotransferase SULT1A1 Gene Is Regulated in a Synergistic Manner by Sp1 and GA Binding Protein. <i>Molecular Pharmacology</i> , 2004, 66, 1690-1701.   | 2.3 | 48        |
| 119 | Orphan Nuclear Receptor Constitutive Active/Androstane Receptor-Mediated Alterations in DNA Methylation during Phenobarbital Promotion of Liver Tumorigenesis. <i>Toxicological Sciences</i> , 2007, 96, 72-82.  | 3.1 | 48        |
| 120 | Pregnane X receptor regulates drug metabolism and transport in the vasculature and protects from oxidative stress. <i>Cardiovascular Research</i> , 2012, 93, 674-681.   | 3.8 | 48        |
| 121 | Flame Retardant BDE-47 Effectively Activates Nuclear Receptor CAR in Human Primary Hepatocytes. <i>Toxicological Sciences</i> , 2014, 137, 292-302.  | 3.1 | 48        |
| 122 | Site of biosynthesis of cytochrome P450 in hepatocytes of phenobarbital treated rats. <i>Biochemical and Biophysical Research Communications</i> , 1976, 71, 1153-1160.  | 2.1 | 47        |
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| 267 | DRUG INDUCTION OF P450 GENES: HISTORY, MECHANISM, AND IMPLICATION. Drug Metabolism and Pharmacokinetics, 2001, 16, 70-71.   | 0.0 | 0         |
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