Frank J Gonzalez

List of Publications by Year
in descending order

397 papers	46,069 citations	1043 113 h-index	2446 197 g-index
405 all docs	405 docs citations	405 times ranked	41725 citing authors

#	Article	IF	Citations
1	Targeted Disruption of the Nuclear Receptor FXR/BAR Impairs Bile Acid and Lipid Homeostasis. Cell, 2000, 102, 731-744.	13.5	1,604
2	Peroxisome proliferatorâ€“activated receptor Î± mediates the adaptive response to fasting. Journal of Clinical Investigation, 1999, 103, 1489-1498.	3.9	1,423
3	Role of Aryl Hydrocarbon Receptor-mediated Induction of the CYP1 Enzymes in Environmental Toxicity and Cancer. Journal of Biological Chemistry, 2004, 279, 23847-23850.	1.6	1,018
4	Hepatocyte Nuclear Factor 4Î± (Nuclear Receptor 2A1) Is Essential for Maintenance of Hepatic Gene Expression and Lipid Homeostasis. Molecular and Cellular Biology, 2001, 21, 1393-1403.	1.1	998
5	International Union of Pharmacology. LXI. Peroxisome Proliferator-Activated Receptors. Pharmacological Reviews, 2006, 58, 726-741.	7.1	869
6	Activation of the nuclear receptor FXR improves hyperglycemia and hyperlipidemia in diabetic mice. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1006-1011.	3.3	806
7	Altered Constitutive Expression of Fatty Acid-metabolizing Enzymes in Mice Lacking the Peroxisome Proliferator-activated Receptor Î± (PPARÎ±). Journal of Biological Chemistry, 1998, 273, 5678-5684.	1.6	777
8	Aryl-hydrocarbon Receptor-Deficient Mice Are Resistant to 2,3,7,8-Tetrachlorodibenzo-p-dioxin-Induced Toxicity. Toxicology and Applied Pharmacology, 1996, 140, 173-179.	1.3	762
9	Liver Peroxisome Proliferator-activated Receptor Î³ Contributes to Hepatic Steatosis, Triglyceride Clearance, and Regulation of Body Fat Mass. Journal of Biological Chemistry, 2003, 278, 34268-34276.	1.6	672
10	Gut microbiota and intestinal FXR mediate the clinical benefits of metformin. Nature Medicine, 2018, 24, 1919-1929.	15.2	632
11	Role of CYP2E1 in the Hepatotoxicity of Acetaminophen. Journal of Biological Chemistry, 1996, 271, 12063-12067.	1.6	557
12	Microbiome remodelling leads to inhibition of intestinal farnesoid X receptor signalling and decreased obesity. Nature Communications, 2013, 4, 2384.	5.8	549
13	Regulation of hepatic fasting response by PPARÂ coactivator-1Â (PGC-1): Requirement for hepatocyte nuclear factor 4Â in gluconeogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4012-4017.	3.3	522
14	Intestinal farnesoid X receptor signaling promotes nonalcoholic fatty liver disease. Journal of Clinical Investigation, 2015, 125, 386-402.	3.9	517
15	Thermogenic Activation Induces FGF21 Expression and Release in Brown Adipose Tissue. Journal of Biological Chemistry, 2011, 286, 12983-12990.	1.6	512
16	cDNA cloning, chromosomal mapping, and functional characterization of the human peroxisome proliferator activated receptor. Biochemistry, 1993, 32, 5598-5604.	1.2	499
17	A Natural Product That Lowers Cholesterol As an Antagonist Ligand for FXR. Science, 2002, 296, 1703-1706.	6.0	491
18	Differential regulation of bile acid homeostasis by the farnesoid X receptor in liver and intestine. Journal of Lipid Research, 2007, 48, 2664-2672.	2.0	473

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19	The Farnesoid X Receptor Modulates Adiposity and Peripheral Insulin Sensitivity in Mice. Journal of Biological Chemistry, 2006, 281, 11039-11049.	1.6	463
20	Loss of ARNT/HIF1Î² Mediates Altered Gene Expression and Pancreatic-Islet Dysfunction in Human Type 2 Diabetes. Cell, 2005, 122, 337-349.	13.5	460
21	Intermittent Fasting Promotes White Adipose Browning and Decreases Obesity by Shaping the GutÂMicrobiota. Cell Metabolism, 2017, 26, 672-685.e4.	7.2	427
22	The orphan nuclear receptor HNF4Î± determines PXR- and CAR-mediated xenobiotic induction of CYP3A4. Nature Medicine, 2003, 9, 220-224.	15.2	418
23	Intestine-selective farnesoid X receptor inhibition improves obesity-related metabolic dysfunction. Nature Communications, 2015, 6, 10166.	5.8	413
24	Gut microbiotaâ€“bile acidâ€“interleukin-22 axis orchestrates polycystic ovary syndrome. Nature Medicine, 2019, 25, 1225-1233.	15.2	394
25	Cytochrome P450 enzymes involved in acetaminophen activation by rat and human liver microsomes and their kinetics. Chemical Research in Toxicology, 1993, 6, 511-518.	1.7	381
26	The role of peroxisome proliferator-activated receptors in carcinogenesis and chemoprevention. Nature Reviews Cancer, 2012, 12, 181-195.	12.8	379
27	Conditional Disruption of the Peroxisome Proliferator-Activated Receptor Î³ Gene in Mice Results in Lowered Expression of ABCA1, ABCG1, and apoE in Macrophages and Reduced Cholesterol Efflux. Molecular and Cellular Biology, 2002, 22, 2607-2619.	1.1	357
28	Intestinal Hypoxia-Inducible Transcription Factors Are Essential for Iron Absorption following Iron Deficiency. Cell Metabolism, 2009, 9, 152-164.	7.2	353
29	Intestine farnesoid X receptor agonist and the gut microbiota activate Gâ€protein bile acid receptorâ€1 signaling to improve metabolism. Hepatology, 2018, 68, 1574-1588.	3.6	348
30	Disrupted Bile Acid Homeostasis Reveals an Unexpected Interaction among Nuclear Hormone Receptors, Transporters, and Cytochrome P450. Journal of Biological Chemistry, 2001, 276, 39411-39418.	1.6	343
31	Spontaneous hepatocarcinogenesis in farnesoid X receptor-null mice. Carcinogenesis, 2007, 28, 940-946.	1.3	328
32	Hepatic Steatosis in Leptin-Deficient Mice Is Promoted by the PPARÎ³ Target Gene Fsp27. Cell Metabolism, 2008, 7, 302-311.	7.2	294
33	Protection against Acetaminophen Toxicity in CYP1A2 and CYP2E1 Double-Null Mice. Toxicology and Applied Pharmacology, 1998, 152, 193-199.	1.3	288
34	CYP3A4 allelic variants with amino acid substitutions in exons 7 and 12: Evidence for an allelic variant with altered catalytic activity. Clinical Pharmacology and Therapeutics, 2000, 67, 48-56.	2.3	286
35	FXR signaling in the enterohepatic system. Molecular and Cellular Endocrinology, 2013, 368, 17-29.	1.6	285
36	METABOLISM OF MELATONIN BY HUMAN CYTOCHROMES P450. Drug Metabolism and Disposition, 2005, 33, 489-494.	1.7	274

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37	PPARs as Metabolic Regulators in the Liver: Lessons from Liver-Specific PPAR-Null Mice. International Journal of Molecular Sciences, 2020, 21, 2061.	1.8	268
38	Peroxisome Proliferator-Activated Receptor Î± Regulates a MicroRNA-Mediated Signaling Cascade Responsible for Hepatocellular Proliferation. Molecular and Cellular Biology, 2007, 27, 4238-4247.	1.1	264
39	Persistent Organic Pollutants Modify Gut Microbiotaâ€“Host Metabolic Homeostasis in Mice Through Aryl Hydrocarbon Receptor Activation. Environmental Health Perspectives, 2015, 123, 679-688.	2.8	262
40	Farnesoid X Receptor Deficiency Improves Glucose Homeostasis in Mouse Models of Obesity. Diabetes, 2011, 60, 1861-1871.	0.3	261
41	Farnesoid X Receptor Regulation of the NLRP3 Inflammasome Underlies Cholestasis-Associated Sepsis. Cell Metabolism, 2017, 25, 856-867.e5.	7.2	258
42	PPARÎ±: Mechanism of species differences and hepatocarcinogenesis of peroxisome proliferators. Toxicology, 2008, 246, 2-8.	2.0	256
43	Lidocaine metabolism in human liver microsomes by cytochrome P450IIIA4. Clinical Pharmacology and Therapeutics, 1989, 46, 521-527.	2.3	254
44	An Intestinal Microbiotaâ€“Farnesoid X Receptor Axis Modulates Metabolic Disease. Gastroenterology, 2016, 151, 845-859.	0.6	254
45	Dietary Intake Regulates the Circulating Inflammatory Monocyte Pool. Cell, 2019, 178, 1102-1114.e17.	13.5	254
46	The role of hypoxia-inducible factors in metabolic diseases. Nature Reviews Endocrinology, 2019, 15, 21-32.	4.3	254
47	Aberrant Lipid Metabolism in Hepatocellular Carcinoma Revealed by Plasma Metabolomics and Lipid Profiling. Cancer Research, 2011, 71, 6590-6600.	0.4	243
48	LC-MS-Based Metabolomics in Drug Metabolism. Drug Metabolism Reviews, 2007, 39, 581-597.	1.5	242
49	Disruption of Hypoxia-Inducible Factor 1 in Adipocytes Improves Insulin Sensitivity and Decreases Adiposity in High-Fat Dietâ€“Fed Mice. Diabetes, 2011, 60, 2484-2495.	0.3	241
50	Peroxisome proliferator-activated receptor-Î± and liver cancer: where do we stand?. Journal of Molecular Medicine, 2005, 83, 774-785.	1.7	229
51	A Novel Role for the Dioxin Receptor in Fatty Acid Metabolism and Hepatic Steatosis. Gastroenterology, 2010, 139, 653-663.	0.6	228
52	PPARÎ± Expression Protects Male Mice from High Fatâ€“Induced Nonalcoholic Fatty Liver1â€“3. Journal of Nutrition, 2011, 141, 603-610.	1.3	224
53	Cyp2c70 is responsible for the species difference in bile acid metabolism between mice and humans. Journal of Lipid Research, 2016, 57, 2130-2137.	2.0	221
54	Modification of Ocular Defects in Mouse Developmental Glaucoma Models by Tyrosinase. Science, 2003, 299, 1578-1581.	6.0	216

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55	Disruption of phospholipid and bile acid homeostasis in mice with nonalcoholic steatohepatitis. Hepatology, 2012, 56, 118-129.	3.6	215
56	Peroxisome proliferator-activated receptor ? protects against alcohol-induced liver damage. Hepatology, 2004, 40, 972-980.	3.6	214
57	Liver Receptor Homologue-1 Mediates Species- and Cell Line-specific Bile Acid-dependent Negative Feedback Regulation of the Apical Sodium-dependent Bile Acid Transporter. Journal of Biological Chemistry, 2003, 278, 19909-19916.	1.6	211
58	Oral Benzo[a]pyrene in Cyp1 Knockout Mouse Lines: CYP1A1 Important in Detoxication, CYP1B1 Metabolism Required for Immune Damage Independent of Total-Body Burden and Clearance Rate. Molecular Pharmacology, 2006, 69, 1103-1114.	1.0	211
59	Challenges and opportunities of metabolomics. Journal of Cellular Physiology, 2012, 227, 2975-2981.	2.0	211
60	Xenobiotic Metabolomics: Major Impact on the Metabolome. Annual Review of Pharmacology and Toxicology, 2012, 52, 37-56.	4.2	209
61	Gut microbiota-derived bile acids in intestinal immunity, inflammation, and tumorigenesis. Cell Host and Microbe, 2022, 30, 289-300.	5.1	208
62	Critical role of cytochrome P450 2E1 (CYP2E1) in the development of high fat-induced non-alcoholic steatohepatitis. Journal of Hepatology, 2012, 57, 860-866.	1.8	204
63	Pregnane X receptor activation ameliorates DSS-induced inflammatory bowel disease via inhibition of NF-ÍºB target gene expression. American Journal of Physiology - Renal Physiology, 2007, 292, G1114-G1122.	1.6	202
64	Stabilization of Cytochrome P450j Messenger Ribonucleic Acid in the Diabetic Rat. Molecular Endocrinology, 1987, 1, 542-547.	3.7	200
65	Metabolomics. Cell Metabolism, 2007, 6, 348-351.	7.2	199
66	CYP2E1. Drug Metabolism and Disposition, 2007, 35, 1-8.	1.7	198
67	Farnesoid X Receptor Deficiency in Mice Leads to Increased Intestinal Epithelial Cell Proliferation and Tumor Development. Journal of Pharmacology and Experimental Therapeutics, 2009, 328, 469-477.	1.3	198
68	Diminished Hepatocellular Proliferation in Mice Humanized for the Nuclear Receptor Peroxisome Proliferator-Activated Receptor Î±. Cancer Research, 2004, 64, 3849-3854.	0.4	194
69	PPARÎ± activation is essential for HCV core proteinâ€“induced hepatic steatosis and hepatocellular carcinoma in mice. Journal of Clinical Investigation, 2008, 118, 683-94.	3.9	194
70	Hypoxia-inducible factor-1Î± regulates Î² cell function in mouse and human islets. Journal of Clinical Investigation, 2010, 120, 2171-2183.	3.9	191
71	Suppression of Hepatocyte Proliferation by Hepatocyte Nuclear Factor 4Î± in Adult Mice. Journal of Biological Chemistry, 2012, 287, 7345-7356.	1.6	173
72	Regulation of Hepatocyte Nuclear Factor 4Î±-mediated Transcription. Drug Metabolism and Pharmacokinetics, 2008, 23, 2-7.	1.1	171

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73	CYP2E1 potentiates binge alcohol-induced gut leakiness, steatohepatitis, and apoptosis. Free Radical Biology and Medicine, 2013, 65, 1238-1245.	1.3	169
74	The role of farnesoid X receptor in metabolic diseases, and gastrointestinal and liver cancer. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 335-347.	8.2	167
75	Role of CYP1B1 in Glaucoma. Annual Review of Pharmacology and Toxicology, 2008, 48, 333-358.	4.2	165
76	Targeting nuclear receptors for the treatment of fatty liver disease. , 2017, 179, 142-157.		164
77	Differential susceptibility of mice humanized for peroxisome proliferator-activated receptor Î± to Wy-14,643-induced liver tumorigenesis. Carcinogenesis, 2006, 27, 1074-1080.	1.3	162
78	Serum Metabolomics Reveals Irreversible Inhibition of Fatty Acid Î²-Oxidation through the Suppression of PPARÎ± Activation as a Contributing Mechanism of Acetaminophen-Induced Hepatotoxicity. Chemical Research in Toxicology, 2009, 22, 699-707.	1.7	159
79	THECYP2E1-HUMANIZED TRANSGENIC MOUSE: ROLE OF CYP2E1 IN ACETAMINOPHEN HEPATOTOXICITY. Drug Metabolism and Disposition, 2005, 33, 449-457.	1.7	156
80	FXR regulates organic solute transporters Î± and Î² in the adrenal gland, kidney, and intestine. Journal of Lipid Research, 2006, 47, 201-214.	2.0	153
81	The PPARÎ±-Humanized Mouse: A Model to Investigate Species Differences in Liver Toxicity Mediated by PPARÎ±. Toxicological Sciences, 2008, 101, 132-139.	1.4	152
82	Bile acid signaling in lipid metabolism: Metabolomic and lipidomic analysis of lipid and bile acid markers linked to anti-obesity and anti-diabetes in mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 19-29.	1.2	152
83	Radiation Metabolomics. 1. Identification of Minimally Invasive Urine Biomarkers for Gamma-Radiation Exposure in Mice. Radiation Research, 2008, 170, 1-14.	0.7	151
84	An Intestinal Farnesoid X Receptorâ€“Ceramide Signaling Axis Modulates Hepatic Gluconeogenesis in Mice. Diabetes, 2017, 66, 613-626.	0.3	151
85	Diabetic Nephropathy Is Accelerated by Farnesoid X Receptor Deficiency and Inhibited by Farnesoid X Receptor Activation in a Type 1 Diabetes Model. Diabetes, 2010, 59, 2916-2927.	0.3	149
86	Hepatocyte Nuclear Factor-4Î± Is Essential for Glucose-stimulated Insulin Secretion by Pancreatic Î²-Cells. Journal of Biological Chemistry, 2006, 281, 5246-5257.	1.6	148
87	The farnesoid X receptor modulates renal lipid metabolism and diet-induced renal inflammation, fibrosis, and proteinuria. American Journal of Physiology - Renal Physiology, 2009, 297, F1587-F1596.	1.3	147
88	Hypoxia-inducible transcription factor 2Î± promotes steatohepatitis through augmenting lipid accumulation, inflammation, and fibrosis. Hepatology, 2011, 54, 472-483.	3.6	147
89	Hypoxia-Inducible Factor Augments Experimental Colitis Through an MIFâ€“Dependent Inflammatory Signaling Cascade. Gastroenterology, 2008, 134, 2036-2048.e3.	0.6	146
90	Metabolomics Reveals that Hepatic Stearoyl-CoA Desaturase 1 Downregulation ExacerbatesÂInflammation and Acute Colitis. Cell Metabolism, 2008, 7, 135-147.	7.2	144

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91	Therapeutic Role of Rifaximin in Inflammatory Bowel Disease: Clinical Implication of Human Pregnane X Receptor Activation. Journal of Pharmacology and Experimental Therapeutics, 2010, 335, 32-41.	1.3	144
92	The CYP2D6 Humanized Mouse: Effect of the HumanCYP2D6 Transgene and HNF4Î± on the Disposition of Debrisoquine in the Mouse. Molecular Pharmacology, 2001, 60, 1260-1267.	1.0	142
93	UPLC-ESI-TOFMS-Based Metabolomics and Gene Expression Dynamics Inspector Self-Organizing Metabolomic Maps as Tools for Understanding the Cellular Response to Ionizing Radiation. Analytical Chemistry, 2008, 80, 665-674.	3.2	142
94	A Metabolomic Approach to the Metabolism of the Areca Nut Alkaloids Arecoline and Arecaidine in the Mouse. Chemical Research in Toxicology, 2006, 19, 818-827.	1.7	140
95	The Coactivator PGC-1 Is Involved in the Regulation of the Liver Carnitine Palmitoyltransferase I Gene Expression by cAMP in Combination with HNF4Î± and cAMP-response Element-binding Protein (CREB). Journal of Biological Chemistry, 2002, 277, 37991-38000.	1.6	138
96	Pregnane X receptor as a target for treatment of inflammatory bowel disorders. Trends in Pharmacological Sciences, 2012, 33, 323-330.	4.0	133
97	FXR/TGR5 Dual Agonist Prevents Progression of Nephropathy in Diabetes and Obesity. Journal of the American Society of Nephrology: JASN, 2018, 29, 118-137.	3.0	133
98	Hepatocyte Nuclear Factor 4Î± Coordinates a Transcription Factor Network Regulating Hepatic Fatty Acid Metabolism. Molecular and Cellular Biology, 2010, 30, 565-577.	1.1	132
99	Molecular genetics of the debrisoquin-sparteine polymorphism. Clinical Pharmacology and Therapeutics, 1991, 50, 233-238.	2.3	131
100	Influence of conjugated linoleic acid on body composition and target gene expression in peroxisome proliferator-activated receptor Î±-null mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2001, 1533, 233-242.	1.2	131
101	Regulation of Constitutive Androstane Receptor and Its Target Genes by Fasting, cAMP, Hepatocyte Nuclear Factor Î±, and the Coactivator Peroxisome Proliferator-activated Receptor Î³ Coactivator-1Î±. Journal of Biological Chemistry, 2006, 281, 26540-26551.	1.6	131
102	The Pregnane X Receptor Gene-Humanized Mouse: A Model for Investigating Drug-Drug Interactions Mediated by Cytochromes P450 3A. Drug Metabolism and Disposition, 2007, 35, 194-200.	1.7	131
103	Regulation of Cyclic AMP Response Element Binding and Hippocampal Plasticity-Related Genes by Peroxisome Proliferator-Activated Receptor Î±. Cell Reports, 2013, 4, 724-737.	2.9	130
104	Human PXR modulates hepatotoxicity associated with rifampicin and isoniazid co-therapy. Nature Medicine, 2013, 19, 418-420.	15.2	130
105	Role of the hepatocyte nuclear factor 4Î± in control of the pregnane X receptor during fetal liver development. Hepatology, 2003, 37, 1375-1384.	3.6	129
106	Humanized Mouse Lines and Their Application for Prediction of Human Drug Metabolism and Toxicological Risk Assessment. Journal of Pharmacology and Experimental Therapeutics, 2008, 327, 288-299.	1.3	126
107	Identification of Novel Toxicity-associated Metabolites by Metabolomics and Mass Isotopomer Analysis of Acetaminophen Metabolism in Wild-type and Cyp2e1-null Mice. Journal of Biological Chemistry, 2008, 283, 4543-4559.	1.6	124
108	Peroxisome proliferator-activated receptor Â is restricted to hepatic parenchymal cells, not Kupffer cells: implications for the mechanism of action of peroxisome proliferators in hepatocarcinogenesis. Carcinogenesis, 2000, 21, 823-826.	1.3	122

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109	PPARÎ±-UGT axis activation represses intestinal FXR-FGF15 feedback signalling and exacerbates experimental colitis. Nature Communications, 2014, 5, 4573.	5.8	122
110	HMG-CoA Reductase Inhibitors Bind to PPARÎ± to Upregulate Neurotrophin Expression in the Brain and Improve Memory in Mice. Cell Metabolism, 2015, 22, 253-265.	7.2	122
111	Potential role of CYP1B1 in the development and treatment of metabolic diseases. , 2017, 178, 18-30.		122
112	Regulation of bile acid biosynthesis by hepatocyte nuclear factor 4Î±. Journal of Lipid Research, 2006, 47, 215-227.	2.0	121
113	Low-dose dioxins alter gene expression related to cholesterol biosynthesis, lipogenesis, and glucose metabolism through the aryl hydrocarbon receptor-mediated pathway in mouse liver. Toxicology and Applied Pharmacology, 2008, 229, 10-19.	1.3	121
114	Farnesoid X receptor activation increases reverse cholesterol transport by modulating bile acid composition and cholesterol absorption in mice. Hepatology, 2016, 64, 1072-1085.	3.6	121
115	Chemogenetic disconnection of monkey orbitofrontal and rhinal cortex reversibly disrupts reward value. Nature Neuroscience, 2016, 19, 37-39.	7.1	121
116	Herbal drug discovery for the treatment of nonalcoholic fatty liver disease. Acta Pharmaceutica Sinica B, 2020, 10, 3-18.	5.7	121
117	Peroxisome Proliferator-activated Receptor-Î± Regulates Lipid Homeostasis, but Is Not Associated with Obesity. Journal of Biological Chemistry, 2001, 276, 39088-39093.	1.6	119
118	Role of peroxisome proliferator-activated receptor-Â (PPARÂ) in bezafibrate-induced hepatocarcinogenesis and cholestasis. Carcinogenesis, 2004, 26, 219-227.	1.3	119
119	Contribution of Individual Cytochrome P450 Isozymes to theO-Demethylation of the Psychotropic Î²-Carboline Alkaloids Harmaline and Harmine. Journal of Pharmacology and Experimental Therapeutics, 2003, 305, 315-322.	1.3	117
120	The stable repression of mesenchymal program is required for hepatocyte identity: A novel role for hepatocyte nuclear factor 4Î±. Hepatology, 2011, 53, 2063-2074.	3.6	116
121	Activation of peroxisome proliferator-activated receptor Î± stimulates ADAM10-mediated proteolysis of APP. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8445-8450.	3.3	116
122	Conditional Disruption of the Aryl Hydrocarbon Receptor Nuclear Translocator (Arnt) Gene Leads to Loss of Target Gene Induction by the Aryl Hydrocarbon Receptor and Hypoxia-Inducible Factor 1Î±. Molecular Endocrinology, 2000, 14, 1674-1681.	3.7	115
123	Fat-Specific Protein 27/CIDEC Promotes Development of Alcoholic Steatohepatitis in Mice and Humans. Gastroenterology, 2015, 149, 1030-1041.e6.	0.6	114
124	The pregnane X receptor: from bench to bedside. Expert Opinion on Drug Metabolism and Toxicology, 2008, 4, 895-908.	1.5	113
125	Polymorphic Cytochrome P450 2D6: Humanized Mouse Model and Endogenous Substrates. Drug Metabolism Reviews, 2004, 36, 243-277.	1.5	111
126	Rifampicin-Activated Human Pregnane X Receptor and CYP3A4 Induction Enhance Acetaminophen-Induced Toxicity. Drug Metabolism and Disposition, 2009, 37, 1611-1621.	1.7	111

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127	Intestinal PPARÎ± Protects Against Colon Carcinogenesis via Regulation of Methyltransferases DNMT1 and PRMT6. Gastroenterology, 2019, 157, 744-759.e4.	0.6	111
128	Effects of FXR in foam-cell formation and atherosclerosis development. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 1401-1409.	1.2	110
129	Rifaximin Is a Gut-Specific Human Pregnane X Receptor Activator. Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 391-398.	1.3	109
130	Radiation Metabolomics. 2. Dose- and Time-Dependent Urinary Excretion of Deaminated Purines and Pyrimidines after Sublethal Gamma-Radiation Exposure in Mice. Radiation Research, 2009, 172, 42-57.	0.7	109
131	Activation of intestinal hypoxia-inducible factor 2Î± during obesity contributes to hepatic steatosis. Nature Medicine, 2017, 23, 1298-1308.	15.2	108
132	CYP1B1 determines susceptibility to low doses of 7,12-dimethylbenz[a]anthracene-induced ovarian cancers in mice: correlation of CYP1B1-mediated DNA adducts with carcinogenicity. Carcinogenesis, 2003, 24, 327-334.	1.3	106
133	Gender Differences in Bile Acids and Microbiota in Relationship with Gender Dissimilarity in Steatosis Induced by Diet and FXR Inactivation. Scientific Reports, 2017, 7, 1748.	1.6	103
134	Expression of the Human CYP3A4 Gene in the Small Intestine of Transgenic Mice: In Vitro Metabolism and Pharmacokinetics of Midazolam. Drug Metabolism and Disposition, 2003, 31, 548-558.	1.7	101
135	Cytochrome P450 1B1 Determines Susceptibility to Dibenzo[a,l]pyrene-Induced Tumor Formation. Chemical Research in Toxicology, 2002, 15, 1127-1135.	1.7	96
136	Identification of Novel Pathways That Control Farnesoid X Receptor-mediated Hypocholesterolemia. Journal of Biological Chemistry, 2010, 285, 3035-3043.	1.6	96
137	Defective Ureagenesis in Mice Carrying a Liver-specific Disruption of Hepatocyte Nuclear Factor 4Î± (HNF4Î±). Journal of Biological Chemistry, 2002, 277, 25257-25265.	1.6	95
138	Enhanced Acetaminophen Toxicity by Activation of the Pregnane X Receptor. Toxicological Sciences, 2004, 82, 374-380.	1.4	95
139	Peroxisome proliferator-activated receptor alpha induction of uncoupling protein 2 protects against acetaminophen-induced liver toxicity. Hepatology, 2012, 56, 281-290.	3.6	95
140	Role of fibroblast growth factor 21 in the early stage of NASH induced by methionine- and choline-deficient diet. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1242-1252.	1.8	95
141	Farnesoid X Receptor Signaling Shapes the Gut Microbiota and Controls Hepatic Lipid Metabolism. MSystems, 2016, 1, .	1.7	95
142	Differential Metabolism of 2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) in Mice Humanized forCYP1A1andCYP1A2. Chemical Research in Toxicology, 2005, 18, 1471-1478.	1.7	94
143	Radiation Metabolomics. 3. Biomarker Discovery in the Urine of Gamma-Irradiated Rats Using a Simplified Metabolomics Protocol of Gas Chromatography-Mass Spectrometry Combined with Random Forests Machine Learning Algorithm. Radiation Research, 2009, 172, 198-212.	0.7	94
144	Radiation Metabolomics. 4. UPLC-ESI-QTOFMS-Based Metabolomics for Urinary Biomarker Discovery in Gamma-Irradiated Rats. Radiation Research, 2011, 175, 473-484.	0.7	92

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145	Hepatocyte Nuclear Factor 4Î± Is a Central Regulator of Bile Acid Conjugation. Journal of Biological Chemistry, 2004, 279, 2480-2489.	1.6	90
146	Cooperative Interaction between Hepatocyte Nuclear Factor 4Î± and GATA Transcription Factors Regulates ATP-Binding Cassette Sterol Transporters ABCG5 and ABCG8. Molecular and Cellular Biology, 2007, 27, 4248-4260.	1.1	88
147	Xenobiotic Metabolism: A View through the Metabolometer. Chemical Research in Toxicology, 2010, 23, 851-860.	1.7	88
148	Transgenic Animal Models in Toxicology: Historical Perspectives and Future Outlook. Toxicological Sciences, 2011, 121, 207-233.	1.4	88
149	Radiation Metabolomics. 5. Identification of Urinary Biomarkers of Ionizing Radiation Exposure in Nonhuman Primates by Mass Spectrometry-Based Metabolomics. Radiation Research, 2012, 178, 328.	0.7	88
150	Lithocholic acid disrupts phospholipid and sphingolipid homeostasis leading to cholestasis in mice. Hepatology, 2011, 53, 1282-1293.	3.6	86
151	Growth Hormone Determines Sexual Dimorphism of Hepatic Cytochrome P450 3A4 Expression in Transgenic Mice. Journal of Pharmacology and Experimental Therapeutics, 2006, 316, 1328-1334.	1.3	84
152	Polyenephosphatidylcholine prevents alcoholic liver disease in PPARÎ±-null mice through attenuation of increases in oxidative stress. Journal of Hepatology, 2009, 50, 1236-1246.	1.8	84
153	Intestinal Farnesoid X Receptor Signaling Modulates Metabolic Disease. Digestive Diseases, 2017, 35, 178-184.	0.8	81
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