

Frank J Gonzalez

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392
papers

36,553
citations

105
h-index

179
g-index

405
ext. papers

41,384
ext. citations

7.9
avg, IF

7.26
L-index

#	Paper	IF	Citations
392	Targeted disruption of the nuclear receptor FXR/BAR impairs bile acid and lipid homeostasis. <i>Cell</i> , 2000 , 102, 731-44	56.2	1383
391	Peroxisome proliferator-activated receptor alpha mediates the adaptive response to fasting. <i>Journal of Clinical Investigation</i> , 1999 , 103, 1489-98	15.9	1256
390	Role of aryl hydrocarbon receptor-mediated induction of the CYP1 enzymes in environmental toxicity and cancer. <i>Journal of Biological Chemistry</i> , 2004 , 279, 23847-50	5.4	877
389	Hepatocyte nuclear factor 4alpha (nuclear receptor 2A1) is essential for maintenance of hepatic gene expression and lipid homeostasis. <i>Molecular and Cellular Biology</i> , 2001 , 21, 1393-403	4.8	877
388	International Union of Pharmacology. LXI. Peroxisome proliferator-activated receptors. <i>Pharmacological Reviews</i> , 2006 , 58, 726-41	22.5	749
387	Activation of the nuclear receptor FXR improves hyperglycemia and hyperlipidemia in diabetic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 1006-11	11.5	703
386	Aryl-hydrocarbon receptor-deficient mice are resistant to 2,3,7,8-tetrachlorodibenzo-p-dioxin-induced toxicity. <i>Toxicology and Applied Pharmacology</i> , 1996 , 140, 173-9	4.6	693
385	Altered constitutive expression of fatty acid-metabolizing enzymes in mice lacking the peroxisome proliferator-activated receptor alpha (PPARalpha). <i>Journal of Biological Chemistry</i> , 1998 , 273, 5678-84	5.4	680
384	Liver peroxisome proliferator-activated receptor gamma contributes to hepatic steatosis, triglyceride clearance, and regulation of body fat mass. <i>Journal of Biological Chemistry</i> , 2003 , 278, 34268-76	5.4	577
383	Regulation of hepatic fasting response by PPARgamma coactivator-1alpha (PGC-1): requirement for hepatocyte nuclear factor 4alpha in gluconeogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 4012-7	11.5	468
382	Role of CYP2E1 in the hepatotoxicity of acetaminophen. <i>Journal of Biological Chemistry</i> , 1996 , 271, 12063-7	3.7	464
381	cDNA cloning, chromosomal mapping, and functional characterization of the human peroxisome proliferator activated receptor. <i>Biochemistry</i> , 1993 , 32, 5598-604	3.2	450
380	A natural product that lowers cholesterol as an antagonist ligand for FXR. <i>Science</i> , 2002 , 296, 1703-6	33.3	422
379	Thermogenic activation induces FGF21 expression and release in brown adipose tissue. <i>Journal of Biological Chemistry</i> , 2011 , 286, 12983-90	5.4	418
378	Microbiome remodelling leads to inhibition of intestinal farnesoid X receptor signalling and decreased obesity. <i>Nature Communications</i> , 2013 , 4, 2384	17.4	413
377	Loss of ARNT/HIF1beta mediates altered gene expression and pancreatic-islet dysfunction in human type 2 diabetes. <i>Cell</i> , 2005 , 122, 337-49	56.2	408
376	The farnesoid X receptor modulates adiposity and peripheral insulin sensitivity in mice. <i>Journal of Biological Chemistry</i> , 2006 , 281, 11039-49	5.4	396

375	Differential regulation of bile acid homeostasis by the farnesoid X receptor in liver and intestine. <i>Journal of Lipid Research</i> , 2007 , 48, 2664-72	6.3	389
374	The orphan nuclear receptor HNF4alpha determines PXR- and CAR-mediated xenobiotic induction of CYP3A4. <i>Nature Medicine</i> , 2003 , 9, 220-4	50.5	389
373	Intestinal farnesoid X receptor signaling promotes nonalcoholic fatty liver disease. <i>Journal of Clinical Investigation</i> , 2015 , 125, 386-402	15.9	385
372	Cytochrome P450 enzymes involved in acetaminophen activation by rat and human liver microsomes and their kinetics. <i>Chemical Research in Toxicology</i> , 1993 , 6, 511-8	4	343
371	Gut microbiota and intestinal FXR mediate the clinical benefits of metformin. <i>Nature Medicine</i> , 2018 , 24, 1919-1929	50.5	335
370	Conditional disruption of the peroxisome proliferator-activated receptor gamma gene in mice results in lowered expression of ABCA1, ABCG1, and apoE in macrophages and reduced cholesterol efflux. <i>Molecular and Cellular Biology</i> , 2002 , 22, 2607-19	4.8	333
369	The role of peroxisome proliferator-activated receptors in carcinogenesis and chemoprevention. <i>Nature Reviews Cancer</i> , 2012 , 12, 181-95	31.3	317
368	Intestine-selective farnesoid X receptor inhibition improves obesity-related metabolic dysfunction. <i>Nature Communications</i> , 2015 , 6, 10166	17.4	304
367	Disrupted bile acid homeostasis reveals an unexpected interaction among nuclear hormone receptors, transporters, and cytochrome P450. <i>Journal of Biological Chemistry</i> , 2001 , 276, 39411-8	5.4	301
366	Intestinal hypoxia-inducible transcription factors are essential for iron absorption following iron deficiency. <i>Cell Metabolism</i> , 2009 , 9, 152-64	24.6	284
365	Spontaneous hepatocarcinogenesis in farnesoid X receptor-null mice. <i>Carcinogenesis</i> , 2007 , 28, 940-6	4.6	279
364	Hepatic steatosis in leptin-deficient mice is promoted by the PPARgamma target gene Fsp27. <i>Cell Metabolism</i> , 2008 , 7, 302-11	24.6	255
363	Protection against acetaminophen toxicity in CYP1A2 and CYP2E1 double-null mice. <i>Toxicology and Applied Pharmacology</i> , 1998 , 152, 193-9	4.6	252
362	CYP3A4 allelic variants with amino acid substitutions in exons 7 and 12: evidence for an allelic variant with altered catalytic activity. <i>Clinical Pharmacology and Therapeutics</i> , 2000 , 67, 48-56	6.1	244
361	Lidocaine metabolism in human liver microsomes by cytochrome P450III A4. <i>Clinical Pharmacology and Therapeutics</i> , 1989 , 46, 521-7	6.1	237
360	Peroxisome proliferator-activated receptor alpha regulates a microRNA-mediated signaling cascade responsible for hepatocellular proliferation. <i>Molecular and Cellular Biology</i> , 2007 , 27, 4238-47	4.8	229
359	Intermittent Fasting Promotes White Adipose Browning and Decreases Obesity by Shaping the Gut Microbiota. <i>Cell Metabolism</i> , 2017 , 26, 672-685.e4	24.6	228
358	Metabolism of melatonin by human cytochromes p450. <i>Drug Metabolism and Disposition</i> , 2005 , 33, 489-94		224

357	PPARalpha: mechanism of species differences and hepatocarcinogenesis of peroxisome proliferators. <i>Toxicology</i> , 2008 , 246, 2-8	4.4	221
356	FXR signaling in the enterohepatic system. <i>Molecular and Cellular Endocrinology</i> , 2013 , 368, 17-29	4.4	220
355	Farnesoid X receptor deficiency improves glucose homeostasis in mouse models of obesity. <i>Diabetes</i> , 2011 , 60, 1861-71	0.9	219
354	Intestine farnesoid X receptor agonist and the gut microbiota activate G-protein bile acid receptor-1 signaling to improve metabolism. <i>Hepatology</i> , 2018 , 68, 1574-1588	11.2	206
353	Disruption of hypoxia-inducible factor 1 in adipocytes improves insulin sensitivity and decreases adiposity in high-fat diet-fed mice. <i>Diabetes</i> , 2011 , 60, 2484-95	0.9	206
352	Aberrant lipid metabolism in hepatocellular carcinoma revealed by plasma metabolomics and lipid profiling. <i>Cancer Research</i> , 2011 , 71, 6590-600	10.1	204
351	Peroxisome proliferator-activated receptor-alpha and liver cancer: where do we stand?. <i>Journal of Molecular Medicine</i> , 2005 , 83, 774-85	5.5	204
350	Persistent Organic Pollutants Modify Gut Microbiota-Host Metabolic Homeostasis in Mice Through Aryl Hydrocarbon Receptor Activation. <i>Environmental Health Perspectives</i> , 2015 , 123, 679-88	8.4	199
349	LC-MS-based metabolomics in drug metabolism. <i>Drug Metabolism Reviews</i> , 2007 , 39, 581-97	7	199
348	Stabilization of cytochrome P450j messenger ribonucleic acid in the diabetic rat. <i>Molecular Endocrinology</i> , 1987 , 1, 542-7		193
347	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. <i>Molecular Pharmacology</i> , 2006 , 69, 1103-14	4.3	191
346	PPARalpha expression protects male mice from high fat-induced nonalcoholic fatty liver. <i>Journal of Nutrition</i> , 2011 , 141, 603-10	4.1	189
345	Liver receptor homologue-1 mediates species- and cell line-specific bile acid-dependent negative feedback regulation of the apical sodium-dependent bile acid transporter. <i>Journal of Biological Chemistry</i> , 2003 , 278, 19909-16	5.4	189
344	Modification of ocular defects in mouse developmental glaucoma models by tyrosinase. <i>Science</i> , 2003 , 299, 1578-81	33.3	188
343	Peroxisome proliferator-activated receptor alpha protects against alcohol-induced liver damage. <i>Hepatology</i> , 2004 , 40, 972-80	11.2	182
342	The 2006 Bernard B. Brodie Award Lecture. Cyp2e1. <i>Drug Metabolism and Disposition</i> , 2007 , 35, 1-8	4	177
341	Disruption of phospholipid and bile acid homeostasis in mice with nonalcoholic steatohepatitis. <i>Hepatology</i> , 2012 , 56, 118-29	11.2	174
340	PPARalpha activation is essential for HCV core protein-induced hepatic steatosis and hepatocellular carcinoma in mice. <i>Journal of Clinical Investigation</i> , 2008 , 118, 683-94	15.9	172

339	Diminished hepatocellular proliferation in mice humanized for the nuclear receptor peroxisome proliferator-activated receptor alpha. <i>Cancer Research</i> , 2004 , 64, 3849-54	10.1	172
338	Critical role of cytochrome P450 2E1 (CYP2E1) in the development of high fat-induced non-alcoholic steatohepatitis. <i>Journal of Hepatology</i> , 2012 , 57, 860-6	13.4	170
337	Farnesoid X receptor deficiency in mice leads to increased intestinal epithelial cell proliferation and tumor development. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 328, 469-77	4.7	167
336	A novel role for the dioxin receptor in fatty acid metabolism and hepatic steatosis. <i>Gastroenterology</i> , 2010 , 139, 653-63	13.3	166
335	Gut microbiota-bile acid-interleukin-22 axis orchestrates polycystic ovary syndrome. <i>Nature Medicine</i> , 2019 , 25, 1225-1233	50.5	164
334	Pregnane X receptor activation ameliorates DSS-induced inflammatory bowel disease via inhibition of NF-kappaB target gene expression. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 292, G1114-22	5.1	163
333	Challenges and opportunities of metabolomics. <i>Journal of Cellular Physiology</i> , 2012 , 227, 2975-81	7	160
332	Xenobiotic metabolomics: major impact on the metabolome. <i>Annual Review of Pharmacology and Toxicology</i> , 2012 , 52, 37-56	17.9	160
331	An Intestinal Microbiota-Farnesoid X Receptor Axis Modulates Metabolic Disease. <i>Gastroenterology</i> , 2016 , 151, 845-859	13.3	159
330	Hypoxia-inducible factor-1alpha regulates beta cell function in mouse and human islets. <i>Journal of Clinical Investigation</i> , 2010 , 120, 2171-83	15.9	154
329	Serum metabolomics reveals irreversible inhibition of fatty acid beta-oxidation through the suppression of PPARalpha activation as a contributing mechanism of acetaminophen-induced hepatotoxicity. <i>Chemical Research in Toxicology</i> , 2009 , 22, 699-707	4	148
328	Farnesoid X Receptor Regulation of the NLRP3 Inflammasome Underlies Cholestasis-Associated Sepsis. <i>Cell Metabolism</i> , 2017 , 25, 856-867.e5	24.6	147
327	Cyp2c70 is responsible for the species difference in bile acid metabolism between mice and humans. <i>Journal of Lipid Research</i> , 2016 , 57, 2130-2137	6.3	144
326	Role of CYP1B1 in glaucoma. <i>Annual Review of Pharmacology and Toxicology</i> , 2008 , 48, 333-58	17.9	142
325	Radiation metabolomics. 1. Identification of minimally invasive urine biomarkers for gamma-radiation exposure in mice. <i>Radiation Research</i> , 2008 , 170, 1-14	3.1	141
324	Differential susceptibility of mice humanized for peroxisome proliferator-activated receptor alpha to Wy-14,643-induced liver tumorigenesis. <i>Carcinogenesis</i> , 2006 , 27, 1074-80	4.6	141
323	Regulation of hepatocyte nuclear factor 4 alpha-mediated transcription. <i>Drug Metabolism and Pharmacokinetics</i> , 2008 , 23, 2-7	2.2	137
322	The cyp2e1-humanized transgenic mouse: role of cyp2e1 in acetaminophen hepatotoxicity. <i>Drug Metabolism and Disposition</i> , 2005 , 33, 449-57	4	136

321	The PPAR alpha-humanized mouse: a model to investigate species differences in liver toxicity mediated by PPAR alpha. <i>Toxicological Sciences</i> , 2008 , 101, 132-9	4.4	132
320	UPLC-ESI-TOFMS-based metabolomics and gene expression dynamics inspector self-organizing metabolomic maps as tools for understanding the cellular response to ionizing radiation. <i>Analytical Chemistry</i> , 2008 , 80, 665-74	7.8	131
319	Metabolomics reveals that hepatic stearyl-CoA desaturase 1 downregulation exacerbates inflammation and acute colitis. <i>Cell Metabolism</i> , 2008 , 7, 135-47	24.6	130
318	FXR regulates organic solute transporters alpha and beta in the adrenal gland, kidney, and intestine. <i>Journal of Lipid Research</i> , 2006 , 47, 201-14	6.3	130
317	Dietary Intake Regulates the Circulating Inflammatory Monocyte Pool. <i>Cell</i> , 2019 , 178, 1102-1114.e17	56.2	129
316	Hepatocyte nuclear factor-4alpha is essential for glucose-stimulated insulin secretion by pancreatic beta-cells. <i>Journal of Biological Chemistry</i> , 2006 , 281, 5246-57	5.4	129
315	Suppression of hepatocyte proliferation by hepatocyte nuclear factor 4 in adult mice. <i>Journal of Biological Chemistry</i> , 2012 , 287, 7345-56	5.4	128
314	Hypoxia-inducible factor augments experimental colitis through an MIF-dependent inflammatory signaling cascade. <i>Gastroenterology</i> , 2008 , 134, 2036-48, 2048.e1-3	13.3	128
313	The CYP2D6 humanized mouse: effect of the human CYP2D6 transgene and HNF4alpha on the disposition of debrisoquine in the mouse. <i>Molecular Pharmacology</i> , 2001 , 60, 1260-7	4.3	128
312	Targeting nuclear receptors for the treatment of fatty liver disease. <i>Pharmacology & Therapeutics</i> , 2017 , 179, 142-157	13.9	127
311	The role of hypoxia-inducible factors in metabolic diseases. <i>Nature Reviews Endocrinology</i> , 2018 , 15, 21-32	35.2	127
310	Metabolomics. <i>Cell Metabolism</i> , 2007 , 6, 348-51	24.6	126
309	CYP2E1 potentiates binge alcohol-induced gut leakiness, steatohepatitis, and apoptosis. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 1238-1245	7.8	125
308	Therapeutic role of rifaximin in inflammatory bowel disease: clinical implication of human pregnane X receptor activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 335, 32-41	4.7	124
307	Molecular genetics of the debrisoquin-sparteine polymorphism. <i>Clinical Pharmacology and Therapeutics</i> , 1991 , 50, 233-8	6.1	124
306	Hypoxia-inducible transcription factor 2 promotes steatohepatitis through augmenting lipid accumulation, inflammation, and fibrosis. <i>Hepatology</i> , 2011 , 54, 472-83	11.2	121
305	The coactivator PGC-1 is involved in the regulation of the liver carnitine palmitoyltransferase I gene expression by cAMP in combination with HNF4 alpha and cAMP-response element-binding protein (CREB). <i>Journal of Biological Chemistry</i> , 2002 , 277, 37991-8000	5.4	120
304	Influence of conjugated linoleic acid on body composition and target gene expression in peroxisome proliferator-activated receptor alpha-null mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2001 , 1533, 233-42	5	120

303	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. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015 , 1851, 19-29	5	119
302	Diabetic nephropathy is accelerated by farnesoid X receptor deficiency and inhibited by farnesoid X receptor activation in a type 1 diabetes model. <i>Diabetes</i> , 2010 , 59, 2916-27	0.9	118
301	A metabolomic approach to the metabolism of the areca nut alkaloids arecoline and arecaidine in the mouse. <i>Chemical Research in Toxicology</i> , 2006 , 19, 818-27	4	118
300	Humanized mouse lines and their application for prediction of human drug metabolism and toxicological risk assessment. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 327, 288-99 ⁴⁻⁷		117
299	Regulation of constitutive androstane receptor and its target genes by fasting, cAMP, hepatocyte nuclear factor alpha, and the coactivator peroxisome proliferator-activated receptor gamma coactivator-1alpha. <i>Journal of Biological Chemistry</i> , 2006 , 281, 26540-51	5.4	116
298	The PREgnane X receptor gene-humanized mouse: a model for investigating drug-drug interactions mediated by cytochromes P450 3A. <i>Drug Metabolism and Disposition</i> , 2007 , 35, 194-200	4	116
297	The farnesoid X receptor modulates renal lipid metabolism and diet-induced renal inflammation, fibrosis, and proteinuria. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 297, F1587-96	4.3	114
296	Role of the hepatocyte nuclear factor 4alpha in control of the pregnane X receptor during fetal liver development. <i>Hepatology</i> , 2003 , 37, 1375-84	11.2	114
295	Pregnane X receptor as a target for treatment of inflammatory bowel disorders. <i>Trends in Pharmacological Sciences</i> , 2012 , 33, 323-30	13.2	111
294	Peroxisome proliferator-activated receptor alpha is restricted to hepatic parenchymal cells, not Kupffer cells: implications for the mechanism of action of peroxisome proliferators in hepatocarcinogenesis. <i>Carcinogenesis</i> , 2000 , 21, 823-6	4.6	111
293	Contribution of individual cytochrome P450 isozymes to the O-demethylation of the psychotropic beta-carboline alkaloids harmaline and harmine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003 , 305, 315-22	4.7	109
292	An Intestinal Farnesoid X Receptor-Ceramide Signaling Axis Modulates Hepatic Gluconeogenesis in Mice. <i>Diabetes</i> , 2017 , 66, 613-626	0.9	108
291	Human PXR modulates hepatotoxicity associated with rifampicin and isoniazid co-therapy. <i>Nature Medicine</i> , 2013 , 19, 418-20	50.5	107
290	Low-dose dioxins alter gene expression related to cholesterol biosynthesis, lipogenesis, and glucose metabolism through the aryl hydrocarbon receptor-mediated pathway in mouse liver. <i>Toxicology and Applied Pharmacology</i> , 2008 , 229, 10-9	4.6	107
289	Identification of novel toxicity-associated metabolites by metabolomics and mass isotopomer analysis of acetaminophen metabolism in wild-type and Cyp2e1-null mice. <i>Journal of Biological Chemistry</i> , 2008 , 283, 4543-59	5.4	105
288	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 1alpha. <i>Molecular Endocrinology</i> , 2000 , 14, 1674-81		105
287	PPARs as Metabolic Regulators in the Liver: Lessons from Liver-Specific PPAR-Null Mice. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	104
286	Hepatocyte nuclear factor 4alpha coordinates a transcription factor network regulating hepatic fatty acid metabolism. <i>Molecular and Cellular Biology</i> , 2010 , 30, 565-77	4.8	103

285	Peroxisome proliferator-activated receptor-alpha regulates lipid homeostasis, but is not associated with obesity: studies with congenic mouse lines. <i>Journal of Biological Chemistry</i> , 2001 , 276, 39088-93	5.4	103
284	Regulation of bile acid biosynthesis by hepatocyte nuclear factor 4alpha. <i>Journal of Lipid Research</i> , 2006 , 47, 215-27	6.3	102
283	Role of peroxisome proliferator-activated receptor-alpha (PPARalpha) in bezafibrate-induced hepatocarcinogenesis and cholestasis. <i>Carcinogenesis</i> , 2005 , 26, 219-27	4.6	102
282	Polymorphic cytochrome P450 2D6: humanized mouse model and endogenous substrates. <i>Drug Metabolism Reviews</i> , 2004 , 36, 243-77	7	102
281	Effects of FXR in foam-cell formation and atherosclerosis development. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006 , 1761, 1401-9	5	101
280	Regulation of cyclic AMP response element binding and hippocampal plasticity-related genes by peroxisome proliferator-activated receptor α <i>Cell Reports</i> , 2013 , 4, 724-37	10.6	99
279	Rifampicin-activated human pregnane X receptor and CYP3A4 induction enhance acetaminophen-induced toxicity. <i>Drug Metabolism and Disposition</i> , 2009 , 37, 1611-21	4	98
278	HMG-CoA Reductase Inhibitors Bind to PPAR α to Upregulate Neurotrophin Expression in the Brain and Improve Memory in Mice. <i>Cell Metabolism</i> , 2015 , 22, 253-65	24.6	97
277	PPAR α /UGT axis activation represses intestinal FXR-FGF15 feedback signalling and exacerbates experimental colitis. <i>Nature Communications</i> , 2014 , 5, 4573	17.4	95
276	Radiation metabolomics. 2. Dose- and time-dependent urinary excretion of deaminated purines and pyrimidines after sublethal gamma-radiation exposure in mice. <i>Radiation Research</i> , 2009 , 172, 42-57	3.1	95
275	Rifaximin is a gut-specific human pregnane X receptor activator. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 322, 391-8	4.7	93
274	Expression of the human CYP3A4 gene in the small intestine of transgenic mice: in vitro metabolism and pharmacokinetics of midazolam. <i>Drug Metabolism and Disposition</i> , 2003 , 31, 548-58	4	93
273	The pregnane X receptor: from bench to bedside. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2008 , 4, 895-908	5.5	89
272	Cytochrome P450 1B1 determines susceptibility to dibenzo[a,l]pyrene-induced tumor formation. <i>Chemical Research in Toxicology</i> , 2002 , 15, 1127-35	4	89
271	The stable repression of mesenchymal program is required for hepatocyte identity: a novel role for hepatocyte nuclear factor 4 <i>Hepatology</i> , 2011 , 53, 2063-74	11.2	88
270	Chemogenetic disconnection of monkey orbitofrontal and rhinal cortex reversibly disrupts reward value. <i>Nature Neuroscience</i> , 2016 , 19, 37-9	25.5	87
269	Differential metabolism of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) in mice humanized for CYP1A1 and CYP1A2. <i>Chemical Research in Toxicology</i> , 2005 , 18, 1471-8	4	86
268	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. <i>Radiation Research</i> , 2009 , 172, 198-212	3.1	85

267	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. <i>Carcinogenesis</i> , 2003 , 24, 327-34	4.6	85
266	Activation of peroxisome proliferator-activated receptor β stimulates ADAM10-mediated proteolysis of APP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 8445-50	11.5	84
265	Identification of novel pathways that control farnesoid X receptor-mediated hypocholesterolemia. <i>Journal of Biological Chemistry</i> , 2010 , 285, 3035-43	5.4	83
264	Radiation metabolomics. 4. UPLC-ESI-QTOFMS-Based metabolomics for urinary biomarker discovery in gamma-irradiated rats. <i>Radiation Research</i> , 2011 , 175, 473-84	3.1	83
263	Fat-Specific Protein 27/CIDEA Promotes Development of Alcoholic Steatohepatitis in Mice and Humans. <i>Gastroenterology</i> , 2015 , 149, 1030-41.e6	13.3	82
262	Peroxisome proliferator-activated receptor alpha induction of uncoupling protein 2 protects against acetaminophen-induced liver toxicity. <i>Hepatology</i> , 2012 , 56, 281-90	11.2	81
261	Enhanced acetaminophen toxicity by activation of the pregnane X receptor. <i>Toxicological Sciences</i> , 2004 , 82, 374-80	4.4	81
260	Cooperative interaction between hepatocyte nuclear factor 4 alpha and GATA transcription factors regulates ATP-binding cassette sterol transporters ABCG5 and ABCG8. <i>Molecular and Cellular Biology</i> , 2007 , 27, 4248-60	4.8	79
259	Farnesoid X receptor activation increases reverse cholesterol transport by modulating bile acid composition and cholesterol absorption in mice. <i>Hepatology</i> , 2016 , 64, 1072-85	11.2	78
258	Transgenic animal models in toxicology: historical perspectives and future outlook. <i>Toxicological Sciences</i> , 2011 , 121, 207-33	4.4	78
257	Radiation metabolomics. 5. Identification of urinary biomarkers of ionizing radiation exposure in nonhuman primates by mass spectrometry-based metabolomics. <i>Radiation Research</i> , 2012 , 178, 328-40	3.1	76
256	Growth hormone determines sexual dimorphism of hepatic cytochrome P450 3A4 expression in transgenic mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 316, 1328-34	4.7	76
255	Role of fibroblast growth factor 21 in the early stage of NASH induced by methionine- and choline-deficient diet. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 1242-52	6.9	75
254	Defective ureagenesis in mice carrying a liver-specific disruption of hepatocyte nuclear factor 4alpha (HNF4alpha). HNF4alpha regulates ornithine transcarbamylase in vivo. <i>Journal of Biological Chemistry</i> , 2002 , 277, 25257-65	5.4	74
253	Gender Differences in Bile Acids and Microbiota in Relationship with Gender Dissimilarity in Steatosis Induced by Diet and FXR Inactivation. <i>Scientific Reports</i> , 2017 , 7, 1748	4.9	73
252	Hepatocyte nuclear factor 4alpha is a central regulator of bile acid conjugation. <i>Journal of Biological Chemistry</i> , 2004 , 279, 2480-9	5.4	73
251	Polyenephosphatidylcholine prevents alcoholic liver disease in PPARalpha-null mice through attenuation of increases in oxidative stress. <i>Journal of Hepatology</i> , 2009 , 50, 1236-46	13.4	71
250	Activation of intestinal hypoxia-inducible factor 2 during obesity contributes to hepatic steatosis. <i>Nature Medicine</i> , 2017 , 23, 1298-1308	50.5	70

249	FXR/TGR5 Dual Agonist Prevents Progression of Nephropathy in Diabetes and Obesity. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 118-137	12.7	69
248	Farnesoid X Receptor Signaling Shapes the Gut Microbiota and Controls Hepatic Lipid Metabolism. <i>MSystems</i> , 2016 , 1,	7.6	67
247	Metabolomics identifies an inflammatory cascade involved in dioxin- and diet-induced steatohepatitis. <i>Cell Metabolism</i> , 2012 , 16, 634-44	24.6	67
246	Potential role for human cytochrome P450 3A4 in estradiol homeostasis. <i>Endocrinology</i> , 2005 , 146, 2911-18	7.8	66
245	Effect of peroxisome proliferator-activated receptor alpha activators on tumor necrosis factor expression in mice during endotoxemia. <i>Infection and Immunity</i> , 1999 , 67, 3488-93	3.7	66
244	Metabolomic and genetic analysis of biomarkers for peroxisome proliferator-activated receptor alpha expression and activation. <i>Molecular Endocrinology</i> , 2007 , 21, 2136-51		64
243	Biomarkers of coordinate metabolic reprogramming in colorectal tumors in mice and humans. <i>Gastroenterology</i> , 2014 , 146, 1313-24	13.3	63
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