Philippe Lefebvre

List of Publications by Year
in descending order

110 papers	10,886 citations	66234 42 h-index	31759 101 g-index
112 all docs	112 docs citations	112 times ranked	18209 citing authors

#	Article	IF	Citations
1	Role of Bile Acids and Bile Acid Receptors in Metabolic Regulation. Physiological Reviews, 2009, 89, 147-191.	13.1	1,309
2	Molecular mechanism of PPARÎ± action and its impact on lipid metabolism, inflammation and fibrosis in non-alcoholic fatty liver disease. Journal of Hepatology, 2015, 62, 720-733.	1.8	1,028
3	Sorting out the roles of PPARÂ in energy metabolism and vascular homeostasis. Journal of Clinical Investigation, 2006, 116, 571-580.	3.9	779
4	Bile Acid Control of Metabolism and Inflammation in Obesity, Type 2 Diabetes, Dyslipidemia, and Nonalcoholic Fatty Liver Disease. Gastroenterology, 2017, 152, 1679-1694.e3.	0.6	630
5	PPARs in obesity-induced T2DM, dyslipidaemia and NAFLD. Nature Reviews Endocrinology, 2017, 13, 36-49.	4.3	509
6	Intestinal antiinflammatory effect of 5-aminosalicylic acid is dependent on peroxisome proliferatorâ€"activated receptor-Î³. Journal of Experimental Medicine, 2005, 201, 1205-1215.	4.2	428
7	Rev-erb-Î± modulates skeletal muscle oxidative capacity by regulating mitochondrial biogenesis and autophagy. Nature Medicine, 2013, 19, 1039-1046.	15.2	361
8	Candida albicansPhospholipomannan Is Sensed through Tollâ€Like Receptors. Journal of Infectious Diseases, 2003, 188, 165-172.	1.9	281
9	Farnesoid X receptor inhibits glucagon-like peptide-1 production by enteroendocrine L cells. Nature Communications, 2015, 6, 7629.	5.8	274
10	PPARÎ± gene expression correlates with severity and histological treatment response in patients with non-alcoholic steatohepatitis. Journal of Hepatology, 2015, 63, 164-173.	1.8	270
11	Distinct but complementary contributions of PPAR isotypes to energy homeostasis. Journal of Clinical Investigation, 2017, 127, 1202-1214.	3.9	270
12	Retinoid X receptors: common heterodimerization partners with distinct functions. Trends in Endocrinology and Metabolism, 2010, 21, 676-683.	3.1	258
13	Daytime variation of perioperative myocardial injury in cardiac surgery and its prevention by Rev-ErbÎ± antagonism: a single-centre propensity-matched cohort study and a randomised study. Lancet, The, 2018, 391, 59-69.	6.3	244
14	Myocardial Contractile Dysfunction Is Associated With Impaired Mitochondrial Function and Dynamics in Type 2 Diabetic but Not in Obese Patients. Circulation, 2014, 130, 554-564.	1.6	237
15	MicroRNA-26a regulates insulin sensitivity and metabolism of glucose and lipids. Journal of Clinical Investigation, 2015, 125, 2497-2509.	3.9	195
16	Dynamic hydroxymethylation of deoxyribonucleic acid marks differentiation-associated enhancers. Nucleic Acids Research, 2012, 40, 8255-8265.	6.5	166
17	Demonstration of a day-night rhythm in human skeletal muscle oxidative capacity. Molecular Metabolism, 2016, 5, 635-645.	3.0	136
18	Metformin interferes with bile acid homeostasis through AMPK-FXR crosstalk. Journal of Clinical Investigation, 2014, 124, 1037-1051.	3.9	121

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19	Regulation of Human ApoA-I by Gemfibrozil and Fenofibrate Through Selective Peroxisome Proliferator-Activated Receptor Î± Modulation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 585-591.	1.1	116
20	The transrepressive activity of peroxisome proliferator-activated receptor alpha is necessary and sufficient to prevent liver fibrosis in mice. Hepatology, 2014, 60, 1593-1606.	3.6	116
21	General Molecular Biology and Architecture of Nuclear Receptors. Current Topics in Medicinal Chemistry, 2012, 12, 486-504.	1.0	115
22	Mitochondrial Dysfunction as an Arrhythmogenic Substrate. Journal of the American College of Cardiology, 2013, 62, 1466-1473.	1.2	112
23	Farnesoid X Receptor Inhibits the Transcriptional Activity of Carbohydrate Response Element Binding Protein in Human Hepatocytes. Molecular and Cellular Biology, 2013, 33, 2202-2211.	1.1	110
24	Transcriptional Activities of Retinoic Acid Receptors. Vitamins and Hormones, 2005, 70, 199-264.	0.7	107
25	The novel selective PPARÎ± modulator (SPPARMÎ±) pemafibrate improves dyslipidemia, enhances reverse cholesterol transport and decreases inflammation and atherosclerosis. Atherosclerosis, 2016, 249, 200-208.	0.4	107
26	Retinoic Acid Receptors Inhibit AP1 Activation by Regulating Extracellular Signal-Regulated Kinase and CBP Recruitment to an AP1-Responsive Promoter. Molecular and Cellular Biology, 2002, 22, 4522-4534.	1.1	103
27	Transcriptional network analysis implicates altered hepatic immune function in NASH development and resolution. Nature Metabolism, 2019, 1, 604-614.	5.1	102
28	Interspecies NASH disease activity whole-genome profiling identifies a fibrogenic role of PPARÎ±-regulated dermatopontin. JCI Insight, 2017, 2, .	2.3	96
29	Nuclear bile acid signaling through the farnesoid X receptor. Cellular and Molecular Life Sciences, 2015, 72, 1631-1650.	2.4	92
30	Multiple signaling pathways regulate the transcriptional activity of the orphan nuclear receptor NURR1. Nucleic Acids Research, 2006, 34, 5515-5527.	6.5	79
31	Bile Acid Alterations Are Associated With Insulin Resistance, but Not With NASH, in Obese Subjects. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 3783-3794.	1.8	78
32	Serine 157, a Retinoic Acid Receptor Î± Residue Phosphorylated by Protein Kinase C in Vitro, Is Involved in RXRÂ·RARÎ± Heterodimerization and Transcriptional Activity. Journal of Biological Chemistry, 1999, 274, 38225-38231.	1.6	72
33	A dynamic CTCF chromatin binding landscape promotes DNA hydroxymethylation and transcriptional induction of adipocyte differentiation. Nucleic Acids Research, 2014, 42, 10943-10959.	6.5	71
34	Proteasomal degradation of retinoid X receptor Î± reprograms transcriptional activity of PPARÎ³ in obese mice and humans. Journal of Clinical Investigation, 2010, 120, 1454-1468.	3.9	56
35	Glucose sensing O-GlcNAcylation pathway regulates the nuclear bile acid receptor farnesoid X receptor (FXR). Hepatology, 2014, 59, 2022-2033.	3.6	55
36	Cell-Specific Dysregulation of MicroRNA Expression in Obese White Adipose Tissue. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 2821-2833.	1.8	55

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37	Control of nuclear receptor activities in metabolism by postâ€translational modifications. FEBS Letters, 2011, 585, 1640-1650.	1.3	53
38	S 26948: a New Specific Peroxisome Proliferator Activated Receptor Â Modulator With Potent Antidiabetes and Antiatherogenic Effects. Diabetes, 2007, 56, 2797-2808.	0.3	50
39	Alteration of the glucocorticoid receptor subcellular localization by non steroidal compounds. Journal of Steroid Biochemistry and Molecular Biology, 2000, 72, 1-12.	1.2	49
40	Phosphorylation of histone H3 is functionally linked to retinoic acid receptor Î² promoter activation. EMBO Reports, 2002, 3, 335-340.	2.0	48
41	Hepatocyte-specific loss of GPS2 in mice reduces non-alcoholic steatohepatitis via activation of PPARÎ±. Nature Communications, 2019, 10, 1684.	5.8	48
42	Retinoids interfere with the AP1 signalling pathway in human breast cancer cells. Cellular Signalling, 2006, 18, 889-898.	1.7	44
43	Protein Phosphatases 1 and 2A Regulate the Transcriptional and DNA Binding Activities of Retinoic Acid Receptors. Journal of Biological Chemistry, 1995, 270, 10806-10816.	1.6	42
44	Allosteric Regulation of the Discriminative Responsiveness of Retinoic Acid Receptor to Natural and Synthetic Ligands by Retinoid X Receptor and DNA. Molecular and Cellular Biology, 1999, 19, 3073-3085.	1.1	42
45	Association of the glucocorticoid receptor binding subunit with the 90K nonsteroid-binding component is stabilized by both steroidal and nonsteroidal antiglucocorticoids in intact cells. Biochemistry, 1988, 27, 9186-9194.	1.2	41
46	The core component of the mammalian SWI/SNF complex SMARCD3/BAF60c is a coactivator for the nuclear retinoic acid receptor. Molecular and Cellular Endocrinology, 2007, 270, 23-32.	1.6	41
47	Hepatic sexual dimorphism â€" implications for non-alcoholic fatty liver disease. Nature Reviews Endocrinology, 2021, 17, 662-670.	4.3	41
48	Requirements for Heterodimerization between the Orphan Nuclear Receptor Nurr1 and Retinoid X Receptors. Journal of Biological Chemistry, 2002, 277, 35088-35096.	1.6	40
49	The nuclear bile acid receptor FXR is a PKA- and FOXA2-sensitive activator of fasting hepatic gluconeogenesis. Journal of Hepatology, 2018, 69, 1099-1109.	1.8	40
50	Control of Cell Identity by the Nuclear Receptor HNF4 in Organ Pathophysiology. Cells, 2020, 9, 2185.	1.8	40
51	Peroxisome Proliferator-activated Receptor Î³ Regulates Genes Involved in Insulin/Insulin-like Growth Factor Signaling and Lipid Metabolism during Adipogenesis through Functionally Distinct Enhancer Classes. Journal of Biological Chemistry, 2014, 289, 708-722.	1.6	39
52	Hepatic Molecular Signatures Highlight the Sexual Dimorphism of Nonalcoholic Steatohepatitis (NASH). Hepatology, 2021, 73, 920-936.	3.6	39
53	The Nuclear Orphan Receptor Nur77 Is a Lipotoxicity Sensor Regulating Glucose-Induced Insulin Secretion in Pancreatic Î²-Cells. Molecular Endocrinology, 2012, 26, 399-413.	3.7	38
54	PLZF is a negative regulator of retinoic acid receptor transcriptional activity. Nuclear Receptor, 2003, 1, 6.	10.0	36

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55	Combinatorial regulation of hepatic cytoplasmic signaling and nuclear transcriptional events by the OGT/REV-ERBÎ± complex. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11033-E11042.	3.3	35
56	Down-Regulation of the Tumor Suppressor Gene Retinoic Acid Receptor Î²2 through the Phosphoinositide 3-Kinase/Akt Signaling Pathway. Molecular Endocrinology, 2006, 20, 2109-2121.	3.7	34
57	Structural Determinants of the Ligand-Binding Site of the Human Retinoic Acid Receptor .alpha.. Biochemistry, 1995, 34, 5477-5485.	1.2	33
58	Ketone Body Therapy Protects From Lipotoxicity and Acute Liver Failure Upon PparÎ± Deficiency. Molecular Endocrinology, 2015, 29, 1134-1143.	3.7	33
59	The RBM14/CoAA-interacting, long intergenic non-coding RNA Paral1 regulates adipogenesis and coactivates the nuclear receptor PPARÎ³. Scientific Reports, 2017, 7, 14087.	1.6	33
60	PPARs in liver physiology. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166097.	1.8	33
61	Control of Retinoic Acid Receptor Heterodimerization by Ligand-induced Structural Transitions. Journal of Biological Chemistry, 2001, 276, 9452-9459.	1.6	32
62	Coordinated Regulation of PPAR Expression and Activity through Control of Chromatin Structure in Adipogenesis and Obesity. PPAR Research, 2012, 2012, 1-9.	1.1	32
63	Peroxisome Proliferatorâ€“Activated Receptor-Î³ Activation Induces 11Î²-Hydroxysteroid Dehydrogenase Type 1 Activity in Human Alternative Macrophages. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 677-685.	1.1	32
64	Retinoids Issued from Hepatic Stellate Cell Lipid Droplet Loss as Potential Signaling Molecules Orchestrating a Multicellular Liver Injury Response. Cells, 2018, 7, 137.	1.8	30
65	O-GlcNAcylation Links ChREBP and FXR to Glucose-Sensing. Frontiers in Endocrinology, 2014, 5, 230.	1.5	28
66	The glucocorticoid receptor is a coâ€regulator of the orphan nuclear receptor Nurr1. Journal of Neurochemistry, 2008, 104, 777-789.	2.1	27
67	Circulating PCSK9 levels are not associated with the severity of hepatic steatosis and NASH in a high-risk population. Atherosclerosis, 2018, 278, 82-90.	0.4	27
68	Binding of Retinoic Acid Receptor Heterodimers to DNA. Journal of Biological Chemistry, 1998, 273, 12288-12295.	1.6	25
69	Chromosomal Integration of Retinoic Acid Response Elements Prevents Cooperative Transcriptional Activation by Retinoic Acid Receptor and Retinoid X Receptor. Molecular and Cellular Biology, 2002, 22, 1446-1459.	1.1	25
70	Genes coding for RNA polymerase beta subunit in bacteria. Structure/function analysis. FEBS Journal, 1988, 177, 363-369.	0.2	24
71	H11-H12 Loop Retinoic Acid Receptor Mutants Exhibit Distinct trans-Activating and trans-Repressing Activities in the Presence of Natural or Synthetic Retinoids. Biochemistry, 1998, 37, 9240-9249.	1.2	24
72	The Hepatic Orosomucoid/Î±1-Acid Glycoprotein Gene Cluster Is Regulated by the Nuclear Bile Acid Receptor FXR. Endocrinology, 2013, 154, 3690-3701.	1.4	24

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73	Induction of CXCR2 Receptor by Peroxisome Proliferator-Activated Receptor Î³ in Human Macrophages. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 932-939.	1.1	23
74	The logic of transcriptional regulator recruitment architecture at <i>cis</i>-regulatory modules controlling liver functions. Genome Research, 2017, 27, 985-996.	2.4	22
75	Hepatic transcriptomic signatures of statin treatment are associated with impaired glucose homeostasis in severely obese patients. BMC Medical Genomics, 2019, 12, 80.	0.7	22
76	Endoplasmic reticulum stress actively suppresses hepatic molecular identity in damaged liver. Molecular Systems Biology, 2020, 16, e9156.	3.2	22
77	The proliferating cell nuclear antigen regulates retinoic acid receptor transcriptional activity through direct protein-protein interaction. Nucleic Acids Research, 2005, 33, 4311-4321.	6.5	21
78	Cell cycle regulation of breast cancer cells through estrogen-induced activities of ERK and Akt protein kinases. Molecular and Cellular Endocrinology, 2005, 237, 11-23.	1.6	21
79	Distinct Roles of the Steroid Receptor Coactivator 1 and of MED1 in Retinoid-induced Transcription and Cellular Differentiation. Journal of Biological Chemistry, 2006, 281, 20338-20348.	1.6	21
80	Study of the heteromeric structure of the untransformed glucocorticoid receptor using chemical cross-linking and monoclonal antibodies against the 90K heat-shock protein. Biochemical and Biophysical Research Communications, 1989, 159, 677-686.	1.0	19
81	Identification of Amino Acids Critical for the DNA Binding and Dimerization Properties of the Human Retinoic Acid Receptor Î±. Journal of Biological Chemistry, 1996, 271, 17996-18006.	1.6	19
82	RU 486 stabilizes a high molecular weight form of the glucocorticoid receptor containing the 90K non-steroid binding protein in intact thymus cells. Biochemical and Biophysical Research Communications, 1988, 150, 1221-1229.	1.0	18
83	CDKN2A/p16INK4a suppresses hepatic fatty acid oxidation through the AMPKÎ±2-SIRT1-PPARÎ± signaling pathway. Journal of Biological Chemistry, 2020, 295, 17310-17322.	1.6	17
84	Failing FXR expression in the liver links aging to hepatic steatosis. Journal of Hepatology, 2014, 60, 689-690.	1.8	15
85	RNA binding to the untransformed glucocorticoid receptor.. Sensitivity to substrate-specific ribonucleases and characterization of a ribonucleic acid associated with the purified receptor. FEBS Journal, 1988, 177, 371-382.	0.2	14
86	Critical role of charged residues in helix 7 of the ligand binding domain in Hepatocyte Nuclear Factor 4Â dimerisation and transcriptional activity. Nucleic Acids Research, 2003, 31, 6640-6650.	6.5	14
87	The Elongation Complex Components BRD4 and MLLT3/AF9 Are Transcriptional Coactivators of Nuclear Retinoid Receptors. PLoS ONE, 2013, 8, e64880.	1.1	14
88	Palmitate increases <i>Nur77</i> expression by modulating ZBP89 and Sp1 binding to the <i>Nur77</i> proximal promoter in pancreatic Î²â€cells. FEBS Letters, 2013, 587, 3883-3890.	1.3	13
89	Inactivation of the Nuclear Orphan Receptor COUP-TFII by Small Chemicals. ACS Chemical Biology, 2017, 12, 654-663.	1.6	13
90	Selective alteration of gene expression in response to natural and synthetic retinoids. BMC Pharmacology, 2002, 2, 13.	0.4	12

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91	Disruption of the Glucocorticoid Receptor Assembly with Heat Shock Protein 90 by a Peptidic Antiglucocorticoid. Molecular Endocrinology, 1997, 11, 962-972.	3.7	11
92	Distinct modes of interaction of the retinoic acid receptor alpha with natural and synthetic retinoids. Molecular and Cellular Endocrinology, 1998, 139, 161-169.	1.6	11
93	Naturally improving insulin resistance with amorfrutins. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7136-7137.	3.3	10
94	Organizing combinatorial transcription factor recruitment at <i>cis</i>-regulatory modules. Transcription, 2018, 9, 233-239.	1.7	10
95	Development and implementation of a cell-based assay to discover agonists of the nuclear receptor REV-ERBÎ±. Journal of Biological Methods, 2018, 5, e94.	1.0	10
96	The Novel Antibacterial Compound Walrycin A Induces Human PXR Transcriptional Activity. Toxicological Sciences, 2012, 127, 225-235.	1.4	9
97	Retinoids and nuclear retinoid receptors in white and brown adipose tissues: physiopathologic aspects. Hormone Molecular Biology and Clinical Investigation, 2013, 14, 75-86.	0.3	9
98	A targeted multi-omics approach reveals paraoxonase-1 as a determinant of obesity-associated fatty liver disease. Clinical Epigenetics, 2021, 13, 158.	1.8	9
99	The ubiquitous transcription factor CTCF promotes lineage-specific epigenomic remodeling and establishment of transcriptional networks driving cell differentiation. Nucleus, 2015, 6, 15-18.	0.6	7
100	Nur77turing Macrophages in Atherosclerosis. Circulation Research, 2012, 110, 375-377.	2.0	6
101	Improvement in glucocorticoid receptor binding affinity concomitant to shift from antagonist to agonist activity in a series of 17Î²-carboxamide derivatives of dexamethasone. The Journal of Steroid Biochemistry, 1989, 33, 557-563.	1.3	5
102	SREBF2 -Embedded mir33 Links the Nuclear Bile Acid Receptor FXR to Cholesterol and Lipoprotein Metabolism. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 748-749.	1.1	5
103	Perspectives on the use of super-enhancers as a defining feature of cell/tissue-identity genes. Epigenomics, 2020, 12, 715-723.	1.0	5
104	Enterocyte superoxide dismutase 2 deletion drives obesity. IScience, 2022, 25, 103707.	1.9	4
105	Modulation of large dense core vesicle insulin content mediates rhythmic hormone release from pancreatic beta cells over the 24h cycle. PLoS ONE, 2018, 13, e0193882.	1.1	3
106	An optimized protocol with a stepwise approach to identify specific nuclear receptor ligands from cultured mammalian cells. STAR Protocols, 2021, 2, 100658.	0.5	2
107	Analysis of Retinoid Receptor Phosphorylation. , 1998, 89, 277-291.		1
108	DCo(H2)ding the Metabolic Functions of SIRT1 in the Intestine. Gastroenterology, 2014, 146, 893-896.	0.6	1

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109	Daytime variations in perioperative myocardial injury â€“ Authors' reply. Lancet, The, 2018, 391, 2106.	6.3	0
110	The conundrum of the functional relationship between transcription factors and chromatin. Epigenomics, 2022, , .	1.0	0