Carolyn L Cummins

List of Publications by Year
in descending order

77 papers	6,630 citations	81900 39 h-index	66911 78 g-index
84 all docs	84 docs citations	84 times ranked	8867 citing authors

#	Article	IF	Citations
1	Phenolic Lipids Derived from Cashew Nut Shell Liquid to Treat Metabolic Diseases. Journal of Medicinal Chemistry, 2022, 65, 1961-1978.	6.4	6
2	Macrophage Jak2 deficiency accelerates atherosclerosis through defects in cholesterol efflux. Communications Biology, 2022, 5, 132.	4.4	4
3	Fresh insights into glucocorticoid-induced diabetes mellitus and new therapeutic directions. Nature Reviews Endocrinology, 2022, 18, 540-557.	9.6	60
4	The omega-3 hydroxy fatty acid 7(S)-HDHA is a high-affinity PPARÎ± ligand that regulates brain neuronal morphology. Science Signaling, 2022, 15, .	3.6	17
5	The secretome of liver X receptor agonist-treated early outgrowth cells decreases atherosclerosis in Ldlrâ^'/â^' mice. Stem Cells Translational Medicine, 2021, 10, 479-491.	3.3	5
6	Exploring the transformability of polymer-lipid hybrid nanoparticles and nanomaterial-biology interplay to facilitate tumor penetration, cellular uptake and intracellular targeting of anticancer drugs. Expert Opinion on Drug Delivery, 2021, 18, 1-14.	5.0	10
7	Disruption of Adipose Tissue Metabolism by Glucocorticoids Is Attenuated With LXRÎ² Antagonism. Journal of the Endocrine Society, 2021, 5, A821-A822.	0.2	1
8	Activation and gut-homing of peripheral T cells in HIV immunologic non-responders despite long term viral suppression. PLoS ONE, 2021, 16, e0254149.	2.5	4
9	4-Phenylbutyric acid improves free fatty acid-induced hepatic insulin resistance in vivo. Endocrine Connections, 2021, 10, 861-872.	1.9	6
10	Essential role of STAT-3 dependent NF-ÎºB activation on IL-6-mediated downregulation of hepatic transporters. European Journal of Pharmaceutical Sciences, 2020, 143, 105151.	4.0	8
11	Tetracosahexaenoylethanolamide, a novel N-acylethanolamide, is elevated in ischemia and increases neuronal output. Journal of Lipid Research, 2020, 61, 1480-1490.	4.2	4
12	Selective peroxisome proliferatorâ€activated receptorâ€gamma modulator, INT131 exhibits antiâ€inflammatory effects in an EcoHIV mouse model. FASEB Journal, 2020, 34, 1996-2010.	0.5	9
13	3â€carboxyâ€4â€methylâ€5â€propylâ€2â€furanpropanoic acid (CMPF) prevents high fat dietâ€induced insulin resistance via maintenance of hepatic lipid homeostasis. Diabetes, Obesity and Metabolism, 2019, 21, 61-72.	4.4	13
14	Peroxisome Proliferator-Activated Receptor-gamma agonists exhibit anti-inflammatory and antiviral effects in an EcoHIV mouse model. Scientific Reports, 2019, 9, 9428.	3.3	29
15	The marginal cells of the Caenorhabditis elegans pharynx scavenge cholesterol and other hydrophobic small molecules. Nature Communications, 2019, 10, 3938.	12.8	14
16	ARGLU1 is a transcriptional coactivator and splicing regulator important for stress hormone signaling and development. Nucleic Acids Research, 2019, 47, 2856-2870.	14.5	20
17	Quantification of Oxysterol Nuclear Receptor Ligands by LC/MS/MS. Methods in Molecular Biology, 2019, 1951, 1-14.	0.9	3
18	A miRâ€29aâ€driven negative feedback loop regulates peripheral glucocorticoid receptor signaling. FASEB Journal, 2019, 33, 5924-5941.	0.5	30

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19	Mammalian Susceptibility to a Neonicotinoid Insecticide after Fetal and Early Postnatal Exposure. Scientific Reports, 2018, 8, 16639.	3.3	49
20	Idebenone and coenzyme Q10 are novel PPARÎ±/Î³ ligands, with potential for treatment of fatty liver diseases. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	26
21	Strategies and limitations associated with in vitro characterization of vitamin D receptor activators. Biochemical Pharmacology, 2018, 155, 547-561.	4.4	1
22	Loss of the Liver X Receptors Disrupts the Balance of Hematopoietic Populations, With Detrimental Effects on Endothelial Progenitor Cells. Journal of the American Heart Association, 2018, 7, .	3.7	8
23	Beyond the Foam Cell: The Role of LXRs in Preventing Atherogenesis. International Journal of Molecular Sciences, 2018, 19, 2307.	4.1	30
24	Multilayered Control of Alternative Splicing Regulatory Networks by Transcription Factors. Molecular Cell, 2017, 65, 539-553.e7.	9.7	143
25	Separating the Anti-Inflammatory and Diabetogenic Effects of Glucocorticoids Through LXRÎ² Antagonism. Endocrinology, 2017, 158, 1034-1047.	2.8	15
26	Subchronic glucocorticoids, glutathione depletion and a postpartum model elevate monoamine oxidase a activity in the prefrontal cortex of rats. Brain Research, 2017, 1666, 1-10.	2.2	7
27	Getting the Skinny on Follistatin and Fat. Endocrinology, 2017, 158, 1109-1112.	2.8	3
28	The CRHâ€Transgenic Cushingoid Mouse Is a Model of Glucocorticoidâ€Induced Osteoporosis. JBMR Plus, 2017, 1, 46-57.	2.7	3
29	Oxidized Low-Density Lipoprotein Loading of Macrophages Downregulates TLR-Induced Proinflammatory Responses in a Gene-Specific and Temporal Manner through Transcriptional Control. Journal of Immunology, 2017, 199, 2149-2157.	0.8	40
30	Diet polyphenol curcumin stimulates hepatic Fgf21 production and restores its sensitivity in high fat diet fed male mice. Endocrinology, 2016, 158, jc.2016.1596.	2.8	44
31	Cellular cholesterol accumulation modulates high fat high sucrose (HFHS) diet-induced ER stress and hepatic inflammasome activation in the development of non-alcoholic steatohepatitis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 594-605.	2.4	31
32	EphB2 reverse signaling regulates learned opiate tolerance via hippocampal function. Behavioural Brain Research, 2016, 300, 85-96.	2.2	5
33	Glucocorticoids Regulate the Metabolic Hormone FGF21 in a Feed-Forward Loop. Molecular Endocrinology, 2015, 29, 213-223.	3.7	78
34	Loss of the Mono-ADP-ribosyltransferase, Tiparp, Increases Sensitivity to Dioxin-induced Steatohepatitis and Lethality. Journal of Biological Chemistry, 2015, 290, 16824-16840.	3.4	51
35	SIRT1 activation ameliorates hyperglycaemia by inducing a torpor-like state in an obese mouse model of type 2 diabetes. Diabetologia, 2015, 58, 819-827.	6.3	34
36	Glucocorticoids and Metabolic Control. Handbook of Experimental Pharmacology, 2015, 233, 73-93.	1.8	74

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37	Liver X receptors preserve renal glomerular integrity under normoglycaemia and in diabetes in mice. Diabetologia, 2014, 57, 435-446.	6.3	32
38	Mapping the Cellular Response to Small Molecules Using Chemogenomic Fitness Signatures. Science, 2014, 344, 208-211.	12.6	217
39	Vitamin D Receptor Activation Down-regulates the Small Heterodimer Partner and Increases CYP7A1 to Lower Cholesterol. Gastroenterology, 2014, 146, 1048-1059.e7.	1.3	69
40	Minireview: New Molecular Mediators of Glucocorticoid Receptor Activity in Metabolic Tissues. Molecular Endocrinology, 2014, 28, 999-1011.	3.7	106
41	Induction of P-Glycoprotein by Antiretroviral Drugs in Human Brain Microvessel Endothelial Cells. Antimicrobial Agents and Chemotherapy, 2013, 57, 4481-4488.	3.2	49
42	A Novel 3-Hydroxysteroid Dehydrogenase That Regulates Reproductive Development and Longevity. PLoS Biology, 2012, 10, e1001305.	5.6	61
43	Lecithin:Cholesterol Acyltransferase Deficiency Protects against Cholesterol-induced Hepatic Endoplasmic Reticulum Stress in Mice. Journal of Biological Chemistry, 2012, 287, 20755-20768.	3.4	51
44	Liver X Receptor Modulates Diabetic Retinopathy Outcome in a Mouse Model of Streptozotocin-Induced Diabetes. Diabetes, 2012, 61, 3270-3279.	0.6	62
45	Age and sex differences in the effects of the immunosuppressants cyclosporine, sirolimus and everolimus on rat brain metabolism. NeuroToxicology, 2011, 32, 50-57.	3.0	32
46	Dafadine inhibits DAF-9 to promote dauer formation and longevity of Caenorhabditis elegans. Nature Chemical Biology, 2011, 7, 891-893.	8.0	27
47	Regulation of Pâ€glycoprotein by orphan nuclear receptors in human brain microvessel endothelial cells. Journal of Neurochemistry, 2011, 118, 163-175.	3.9	70
48	The Rieske oxygenase DAFâ€36 functions as a cholesterol 7â€desaturase in steroidogenic pathways governing longevity. Aging Cell, 2011, 10, 879-884.	6.7	59
49	Compound Prioritization Methods Increase Rates of Chemical Probe Discovery in Model Organisms. Chemistry and Biology, 2011, 18, 1273-1283.	6.0	41
50	AKR1B7 Is Induced by the Farnesoid X Receptor and Metabolizes Bile Acids. Journal of Biological Chemistry, 2011, 286, 2425-2432.	3.4	33
51	1Î±,25-Dihydroxyvitamin D₃Up-Regulates P-Glycoprotein via the Vitamin D Receptor and Not Farnesoid X Receptor in Bothfxr(â^’/â^’) andfxr(+/+) Mice and Increased Renal and Brain Efflux of Digoxin in Mice In Vivo. Journal of Pharmacology and Experimental Therapeutics, 2011, 337, 846-859.	2.5	70
52	LXRÎ² is required for glucocorticoid-induced hyperglycemia and hepatosteatosis in mice. Journal of Clinical Investigation, 2011, 121, 431-441.	8.2	100
53	Liver X receptors as therapeutic targets for managing cholesterol: implications for inflammatory conditions. Clinical Lipidology, 2009, 4, 29-40.	0.4	9
54	Synthesis and Activity of Dafachronic Acid Ligands for the C. elegans DAF-12 Nuclear Hormone Receptor. Molecular Endocrinology, 2009, 23, 640-648.	3.7	37

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55	Identification and Quantitation of Sorbitol-Based Nuclear Clarifying Agents Extracted from Common Laboratory and Consumer Plasticware Made of Polypropylene. Analytical Chemistry, 2008, 80, 5532-5541.	6.5	20
56	Liver Receptor Homolog-1 Regulates Bile Acid Homeostasis but Is Not Essential for Feedback Regulation of Bile Acid Synthesis. Molecular Endocrinology, 2008, 22, 1345-1356.	3.7	130
57	A bile acid-like steroid modulates Caenorhabditis elegans lifespan through nuclear receptor signaling. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5014-5019.	7.1	206
58	In Vivo Imaging of Farnesoid X Receptor Activity Reveals the Ileum as the Primary Bile Acid Signaling Tissue. Molecular Endocrinology, 2007, 21, 1312-1323.	3.7	62
59	The small heterodimer partner is a gonadal gatekeeper of sexual maturation in male mice. Genes and Development, 2007, 21, 303-315.	5.9	81
60	Synthesis, Characterization, and Receptor Interaction Profiles of Enantiomeric Bile Acids. Journal of Medicinal Chemistry, 2007, 50, 6048-6058.	6.4	39
61	27-Hydroxycholesterol is an endogenous SERM that inhibits the cardiovascular effects of estrogen. Nature Medicine, 2007, 13, 1185-1192.	30.7	351
62	Aromatase Deficiency Causes Altered Expression of Molecules Critical for Calcium Reabsorption in the Kidneys of Female Mice. Journal of Bone and Mineral Research, 2007, 22, 1893-1902.	2.8	45
63	Highâ€Throughput Realâ€Time Quantitative Reverse Transcription PCR. Current Protocols in Molecular Biology, 2006, 73, Unit 15.8.	2.9	298
64	Identification of Ligands for DAF-12 that Govern Dauer Formation and Reproduction in C. elegans. Cell, 2006, 124, 1209-1223.	28.9	414
65	Hormonal Control of C. elegans Dauer Formation and Life Span by a Rieske-like Oxygenase. Developmental Cell, 2006, 10, 473-482.	7.0	177
66	Liver X receptors regulate adrenal cholesterol balance. Journal of Clinical Investigation, 2006, 116, 1902-1912.	8.2	147
67	Fibroblast growth factor 15 functions as an enterohepatic signal to regulate bile acid homeostasis. Cell Metabolism, 2005, 2, 217-225.	16.2	1,514
68	Regulation of the Aldo-Keto Reductase Gene akr1b7 by the Nuclear Oxysterol Receptor LXRÎ± (Liver X) Tj ETQq0 0 0 rgBT /Overlock 10 T Endocrinology, 2004, 18, 888-898.	3.7	46
69	CYP3A4-Transfected Caco-2 Cells as a Tool for Understanding Biochemical Absorption Barriers: Studies with Sirolimus and Midazolam. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 143-155.	2.5	96
70	In Vivo Modulation of Intestinal CYP3A Metabolism by P-Glycoprotein: Studies Using the Rat Single-Pass Intestinal Perfusion Model. Journal of Pharmacology and Experimental Therapeutics, 2003, 305, 306-314.	2.5	151
71	Inhibition of Cytochrome P450 3A4 by Extracts and Kavalactones ofPiper methysticum(Kava-Kava). Planta Medica, 2002, 68, 1055-1058.	1.3	70
72	Unmasking the Dynamic Interplay between Intestinal P-Glycoprotein and CYP3A4. Journal of Pharmacology and Experimental Therapeutics, 2002, 300, 1036-1045.	2.5	287

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73	Sexâ€related differences in the clearance of cytochrome P450 3A4 substrates may be caused by Pâ€glycoprotein. Clinical Pharmacology and Therapeutics, 2002, 72, 474-489.	4.7	141
74	Comparison of Furosemide and Vinblastine Secretion from Cell Lines Overexpressing Multidrug Resistance Protein (P-Glycoprotein) and Multidrug Resistance-Associated Proteins (MRP1 and MRP2). Pharmacology, 2002, 64, 126-134.	2.2	43
75	Characterizing the expression of CYP3A4 and efflux transporters (P-gp, MRP1, and MRP2) in CYP3A4-transfected Caco-2 cells after induction with sodium butyrate and the phorbol ester 12-O-tetradecanoylphorbol-13-acetate. Pharmaceutical Research, 2001, 18, 1102-1109.	3.5	80
76	The drug effluxâ€“metabolism alliance: biochemical aspects. Advanced Drug Delivery Reviews, 2001, 50, S3-S11.	13.7	209
77	Determination of p-aninosalicylic acid and its N-acetylated metabolite in human urine by capillary zone electrophoresis as a measure of in vivo N-acetyltransferase 1 activity. Biomedical Applications, 1997, 697, 283-288.	1.7	10