

# Charles Thomas

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

6,272  
citations

201385

27  
h-index

264894

42  
g-index

49  
all docs

49  
docs citations

49  
times ranked

9235  
citing authors

#	ARTICLE	IF	CITATIONS
1	TGR5-Mediated Bile Acid Sensing Controls Glucose Homeostasis. <i>Cell Metabolism</i> , 2009, 10, 167-177.	7.2	1,465
2	Targeting bile-acid signalling for metabolic diseases. <i>Nature Reviews Drug Discovery</i> , 2008, 7, 678-693.	21.5	1,084
3	PARP-1 Inhibition Increases Mitochondrial Metabolism through SIRT1 Activation. <i>Cell Metabolism</i> , 2011, 13, 461-468.	7.2	673
4	TGR5 Activation Inhibits Atherosclerosis by Reducing Macrophage Inflammation and Lipid Loading. <i>Cell Metabolism</i> , 2011, 14, 747-757.	7.2	469
5	The metabolic footprint of aging in mice. <i>Scientific Reports</i> , 2011, 1, 134.	1.6	440
6	Anti-hyperglycemic activity of a TGR5 agonist isolated from <i>Olea europaea</i> . <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 793-798.	1.0	302
7	Novel Potent and Selective Bile Acid Derivatives as TGR5 Agonists: Biological Screening, Structure-Activity Relationships, and Molecular Modeling Studies. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1831-1841.	2.9	259
8	Discovery of 6-Ethyl-23-methylcholic Acid (EMCA, INT-777) as a Potent and Selective Agonist for the TGR5 Receptor, a Novel Target for Diabesity. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 7958-7961.	2.9	220
9	Bile Acids and the Membrane Bile Acid Receptor TGR5: Connecting Nutrition and Metabolism. <i>Thyroid</i> , 2008, 18, 167-174.	2.4	139
10	Enteroendocrine L Cells Sense LPS after Gut Barrier Injury to Enhance GLP-1 Secretion. <i>Cell Reports</i> , 2017, 21, 1160-1168.	2.9	139
11	Compromised Intestinal Lipid Absorption in Mice with a Liver-Specific Deficiency of Liver Receptor Homolog 1. <i>Molecular and Cellular Biology</i> , 2007, 27, 8330-8339.	1.1	135
12	Inhibition of mitophagy drives macrophage activation and antibacterial defense during sepsis. <i>Journal of Clinical Investigation</i> , 2020, 130, 5858-5874.	3.9	87
13	Statin Induction of Liver Fatty Acid-Binding Protein (L-FABP) Gene Expression Is Peroxisome Proliferator-activated Receptor- $\alpha$ -dependent. <i>Journal of Biological Chemistry</i> , 2004, 279, 45512-45518.	1.6	84
14	CXCL10 could drive longer duration of mechanical ventilation during COVID-19 ARDS. <i>Critical Care</i> , 2020, 24, 632.	2.5	67
15	Liver X Receptor Regulates Arachidonic Acid Distribution and Eicosanoid Release in Human Macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1171-1179.	1.1	54
16	Liver X Receptor Activation Promotes Polyunsaturated Fatty Acid Synthesis in Macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1357-1365.	1.1	52
17	Liver-specific ablation of Krüppel-associated box-associated protein 1 in mice leads to male-predominant hepatosteatosis and development of liver adenoma. <i>Hepatology</i> , 2012, 56, 1279-1290.	3.6	47
18	Inhibition of colon cancer growth by docosahexaenoic acid involves autocrine production of TNF- $\alpha$ . <i>Oncogene</i> , 2016, 35, 4611-4622.	2.6	40

#	ARTICLE	IF	CITATIONS
19	Interplay between Liver X Receptor and Hypoxia Inducible Factor 1 $\alpha$ Potentiates Interleukin-1 $\beta$ Production in Human Macrophages. <i>Cell Reports</i> , 2020, 31, 107665.	2.9	39
20	Macrophage fatty acid metabolism and atherosclerosis: The rise of PUFAs. <i>Atherosclerosis</i> , 2019, 291, 52-61.	0.4	37
21	Probing the Binding Site of Bile Acids in TGR5. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 1158-1162.	1.3	36
22	Docosahexaenoic acid inhibits both NLRP3 inflammasome assembly and JNK-mediated mature IL-1 $\beta$ secretion in 5-fluorouracil-treated MDSC: implication in cancer treatment. <i>Cell Death and Disease</i> , 2019, 10, 485.	2.7	34
23	Cholesterol dependent downregulation of mouse and human apical sodium dependent bile acid transporter (ASBT) gene expression: molecular mechanism and physiological consequences. <i>Gut</i> , 2006, 55, 1321-1331.	6.1	33
24	Intestinal release of biofilm-like microcolonies encased in calcium-pectinate beads increases probiotic properties of <i>Lactocaseibacillus paracasei</i> . <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 44.	2.9	33
25	LPCAT3 deficiency in hematopoietic cells alters cholesterol and phospholipid homeostasis and promotes atherosclerosis. <i>Atherosclerosis</i> , 2018, 275, 409-418.	0.4	31
26	Hepatic lipid metabolism response to dietary fatty acids is differently modulated by PPAR $\alpha$ in male and female mice. <i>European Journal of Nutrition</i> , 2009, 48, 465-473.	1.8	30
27	Fatty acid metabolism in macrophages: a target in cardio-metabolic diseases. <i>Current Opinion in Lipidology</i> , 2017, 28, 19-26.	1.2	30
28	Phenolic extract from oleaster ( <i>Olea europaea</i> var. <i>Sylvestris</i> ) leaves reduces colon cancer growth and induces caspase-dependent apoptosis in colon cancer cells via the mitochondrial apoptotic pathway. <i>PLoS ONE</i> , 2017, 12, e0170823.	1.1	28
29	Exercise Performance Tests in Mice. <i>Current Protocols in Mouse Biology</i> , 2011, 1, 141-154.	1.2	27
30	Recombinant human plasma phospholipid transfer protein (PLTP) to prevent bacterial growth and to treat sepsis. <i>Scientific Reports</i> , 2017, 7, 3053.	1.6	26
31	Molecular Field Analysis and 3D-Quantitative Structure-Activity Relationship Study (MFA 3D-QSAR) Unveil Novel Features of Bile Acid Recognition at TGR5. <i>Journal of Chemical Information and Modeling</i> , 2008, 48, 1792-1801.	2.5	23
32	Revisiting the Role of LXRs in PUFA Metabolism and Phospholipid Homeostasis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3787.	1.8	18
33	High plasma concentration of non-esterified polyunsaturated fatty acids is a specific feature of severe COVID-19 pneumonia. <i>Scientific Reports</i> , 2021, 11, 10824.	1.6	17
34	Cholesterol and HIF-1 $\alpha$ : Dangerous Liaisons in Atherosclerosis. <i>Frontiers in Immunology</i> , 2022, 13, 868958.	2.2	15
35	The gene encoding the human ileal bile acid-binding protein (I-BABP) is regulated by peroxisome proliferator-activated receptors. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005, 1735, 41-49.	1.2	13
36	Deletion of lysophosphatidylcholine acyltransferase 3 in myeloid cells worsens hepatic steatosis after a high-fat diet. <i>Journal of Lipid Research</i> , 2021, 62, 100013.	2.0	11

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37	Regulation of glycolytic genes in human macrophages by oxysterols: a potential role for liver X receptors. <i>British Journal of Pharmacology</i> , 2021, 178, 3124-3139.	2.7	9
38	Muricholic Acids Promote Resistance to Hypercholesterolemia in Cholesterol-Fed Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7163.	1.8	6
39	Assessment of Spontaneous Locomotor and Running Activity in Mice. <i>Current Protocols in Mouse Biology</i> , 2011, 1, 185-198.	1.2	5
40	Adverse Mechanical Ventilation and Pneumococcal Pneumonia Induce Immune and Mitochondrial Dysfunctions Mitigated by Mesenchymal Stem Cells in Rabbits. <i>Anesthesiology</i> , 2022, 136, 293-313.	1.3	3
41	Non-lipogenic ABCA1 inducers: The holy grail in cardio-metabolic diseases?. <i>EBioMedicine</i> , 2021, 66, 103324.	2.7	1
42	Activation of liver x receptors promotes polyunsaturated fatty acid synthesis and eicosanoid secretion in human macrophages. <i>Atherosclerosis</i> , 2014, 235, e49.	0.4	0
43	Fatty acids and macrophage functions. <i>Current Opinion in Lipidology</i> , 2017, 28, 443-444.	1.2	0
44	Fatty acids getting NAD+ about cardiometabolic diseases. <i>Current Opinion in Lipidology</i> , 2019, 30, 486-487.	1.2	0
45	HORMONAL REGULATION OF THE NOTCH PATHWAY GENES IN THE GRANULOSA CELLS DURING GONADOTROPIN INDUCED OVARIAN FOLLICULAR GROWTH. <i>Biology of Reproduction</i> , 2007, 77, 119-119.	1.2	0
46	Linking nutrition and metabolism, a role for the membrane bile acid receptor TGR5. , 2009, , 145-150.		0