

# Christopher J Lynch

## List of Publications by Year in descending order

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81  
papers

6,844  
citations

76031

42  
h-index

84171

75  
g-index

81  
all docs

81  
docs citations

81  
times ranked

9745  
citing authors

#	ARTICLE	IF	CITATIONS
1	Finding the right evidence: The role of evidence scans in the review of DRIs. <i>Journal of Nutrition</i> , 2022, 152, 1819-1822.	1.3	2
2	BCAA Supplementation in Mice with Diet-induced Obesity Alters the Metabolome Without Impairing Glucose Homeostasis. <i>Endocrinology</i> , 2021, 162, .	1.4	28
3	NIH workshop on human milk composition: summary and visions. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 769-779.	2.2	46
4	A report of activities related to the Dietary Reference Intakes from the Joint Canada-US Dietary Reference Intakes Working Group. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 251-259.	2.2	20
5	Advancing Nutrition Education, Training, and Research for Medical Students, Residents, Fellows, Attending Physicians, and Other Clinicians: Building Competencies and Interdisciplinary Coordination. <i>Advances in Nutrition</i> , 2019, 10, 1181-1200.	2.9	54
6	US and Canada Joint Effort for Dietary Reference Intake Updates. <i>FASEB Journal</i> , 2017, 31, 966.32.	0.2	0
7	Bif-1 deficiency impairs lipid homeostasis and causes obesity accompanied by insulin resistance. <i>Scientific Reports</i> , 2016, 6, 20453.	1.6	23
8	Catabolic Defect of Branched-Chain Amino Acids Promotes Heart Failure. <i>Circulation</i> , 2016, 133, 2038-2049.	1.6	390
9	Acute Metabolic Effects of Olanzapine Depend on Dose and Injection Site. <i>Dose-Response</i> , 2015, 13, 155932581561891.	0.7	6
10	RNA Sequencing Reveals a Slow to Fast Muscle Fiber Type Transition after Olanzapine Infusion in Rats. <i>PLoS ONE</i> , 2015, 10, e0123966.	1.1	28
11	Maple Syrup Urine Disease in a Central Indiana Hereford Herd. <i>Case Reports in Veterinary Medicine</i> , 2015, 2015, 1-4.	0.2	3
12	Defining meal requirements for protein to optimize metabolic roles of amino acids. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 1330S-1338S.	2.2	100
13	Global deletion of BCATm increases expression of skeletal muscle genes associated with protein turnover. <i>Physiological Genomics</i> , 2015, 47, 569-580.	1.0	13
14	Alloisoleucine differentiates the branched-chain aminoacidemia of Zucker and dietary obese rats. <i>Obesity</i> , 2014, 22, 1212-1215.	1.5	31
15	Second-Generation Antipsychotics Cause a Rapid Switch to Fat Oxidation That Is Required for Survival in C57BL/6J Mice. <i>Schizophrenia Bulletin</i> , 2014, 40, 327-340.	2.3	35
16	Branched-chain amino acids in metabolic signalling and insulin resistance. <i>Nature Reviews Endocrinology</i> , 2014, 10, 723-736.	4.3	1,006
17	Brain Insulin Lowers Circulating BCAA Levels by Inducing Hepatic BCAA Catabolism. <i>Cell Metabolism</i> , 2014, 20, 898-909.	7.2	124
18	Quantification of branched-chain keto acids in tissue by ultra fast liquid chromatography-mass spectrometry. <i>Analytical Biochemistry</i> , 2013, 439, 116-122.	1.1	30

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19	Adipose transplant for inborn errors of branched chain amino acid metabolism in mice. <i>Molecular Genetics and Metabolism</i> , 2013, 109, 345-353.	0.5	29
20	Regulation of adipose branched-chain amino acid catabolism enzyme expression and cross-adipose amino acid flux in human obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 304, E1175-E1187.	1.8	267
21	Leucine and Protein Metabolism in Obese Zucker Rats. <i>PLoS ONE</i> , 2013, 8, e59443.	1.1	91
22	Inhibition of mTOR Suppresses UVB-Induced Keratinocyte Proliferation and Survival. <i>Cancer Prevention Research</i> , 2012, 5, 1394-1404.	0.7	51
23	Atypical Antipsychotics Rapidly and Inappropriately Switch Peripheral Fuel Utilization to Lipids, Impairing Metabolic Flexibility in Rodents. <i>Schizophrenia Bulletin</i> , 2012, 38, 153-166.	2.3	66
24	Some cannabinoid receptor ligands and their distomers are direct-acting openers of SUR1 K <sub>ATP</sub> channels. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E540-E551.	1.8	10
25	Effect of the tyrosine kinase inhibitors (sunitinib, sorafenib, dasatinib, and imatinib) on blood glucose levels in diabetic and nondiabetic patients in general clinical practice. <i>Journal of Oncology Pharmacy Practice</i> , 2011, 17, 197-202.	0.5	128
26	Molecular characterization of skeletal muscle atrophy in the R6/2 mouse model of Huntington's disease. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 301, E49-E61.	1.8	57
27	Functional proteomic analysis reveals sex-dependent differences in structural and energy-producing myocardial proteins in rat model of alcoholic cardiomyopathy. <i>Physiological Genomics</i> , 2011, 43, 346-356.	1.0	22
28	A Double Blind, Placebo-Controlled, Randomized Crossover Study of the Acute Metabolic Effects of Olanzapine in Healthy Volunteers. <i>PLoS ONE</i> , 2011, 6, e22662.	1.1	96
29	Disruption of BCAA metabolism in mice impairs exercise metabolism and endurance. <i>Journal of Applied Physiology</i> , 2010, 108, 941-949.	1.2	56
30	Impact of Chronic Alcohol Ingestion on Cardiac Muscle Protein Expression. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 1226-1234.	1.4	17
31	Alcohol-Induced IGF-I Resistance Is Ameliorated in Mice Deficient for Mitochondrial Branched-Chain Aminotransferase. <i>Journal of Nutrition</i> , 2010, 140, 932-938.	1.3	19
32	Transamination Is Required for $\alpha$ -Ketoisocaproate but Not Leucine to Stimulate Insulin Secretion*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33718-33726.	1.6	50
33	Adipose Tissue Branched Chain Amino Acid (BCAA) Metabolism Modulates Circulating BCAA Levels. <i>Journal of Biological Chemistry</i> , 2010, 285, 11348-11356.	1.6	321
34	Skeletal muscle protein balance in mTOR heterozygous mice in response to inflammation and leucine. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 298, E1283-E1294.	1.8	49
35	Gastric bypass surgery alters behavioral and neural taste functions for sweet taste in obese rats. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, G967-G979.	1.6	110
36	Ileal interposition improves glucose tolerance and insulin sensitivity in the obese Zucker rat. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, G751-G760.	1.6	51

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37	BCATm deficiency ameliorates endotoxin-induced decrease in muscle protein synthesis and improves survival in septic mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R935-R944.	0.9	31
38	Cardiolipin Remodeling by ALCAT1 Links Oxidative Stress and Mitochondrial Dysfunction to Obesity. <i>Cell Metabolism</i> , 2010, 12, 154-165.	7.2	233
39	Protein phosphatase 2Cm is a critical regulator of branched-chain amino acid catabolism in mice and cultured cells. <i>Journal of Clinical Investigation</i> , 2009, 119, 1678-1687.	3.9	182
40	Lactating Porcine Mammary Tissue Catabolizes Branched-Chain Amino Acids for Glutamine and Aspartate Synthesis. <i>Journal of Nutrition</i> , 2009, 139, 1502-1509.	1.3	77
41	Leucine Supplementation of Drinking Water Does Not Alter Susceptibility to Diet-Induced Obesity in Mice. <i>Journal of Nutrition</i> , 2009, 139, 715-719.	1.3	87
42	Apolipoprotein A $\text{IV}$ , a Putative Satiety/Antiatherogenic Factor, Rises After Gastric Bypass. <i>Obesity</i> , 2009, 17, 46-52.	1.5	57
43	Mechanisms of Glucose Homeostasis After Roux-en-Y Gastric Bypass Surgery in the Obese, Insulin-Resistant Zucker Rat. <i>Annals of Surgery</i> , 2009, 249, 277-285.	2.1	77
44	Proteomic analysis of rat myocardium in a model of chronic alcohol consumption. <i>FASEB Journal</i> , 2008, 22, 949.2.	0.2	0
45	Obesity-related elevations in plasma leucine are associated with alterations in enzymes involved in branched-chain amino acid metabolism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E1552-E1563.	1.8	417
46	Rapamycin blunts nutrient stimulation of eIF4G, but not PKC $\mu$ phosphorylation, in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E188-E196.	1.8	27
47	Nutrient Signaling Components Controlling Protein Synthesis in Striated Muscle. <i>Journal of Nutrition</i> , 2007, 137, 1835-1843.	1.3	79
48	Disruption of BCATm in Mice Leads to Increased Energy Expenditure Associated with the Activation of a Futile Protein Turnover Cycle. <i>Cell Metabolism</i> , 2007, 6, 181-194.	7.2	326
49	Rapamycin Limits Formation of Active Eukaryotic Initiation Factor 4F Complex Following Meal Feeding in Rat Hearts. <i>Journal of Nutrition</i> , 2007, 137, 1857-1862.	1.3	17
50	Regulation of Pyruvate and Amino Acid Metabolism. <i>Journal of Nutrition</i> , 2007, 137, 117-150.		0
51	BCATm KO mice have elevated branched chain amino acids (BCAAs), a propensity to be lean, and show improvements in endpoints associated with obesity comorbidities. <i>FASEB Journal</i> , 2007, 21, A163.	0.2	0
52	Nutrient Stimulation of eIF4G Phosphorylation, but not PKC is Rapamycin Sensitive in Skeletal Muscle. <i>FASEB Journal</i> , 2007, 21, A62.	0.2	0
53	Meal Feeding Stimulates Phosphorylation of Multiple Effector Proteins Regulating Protein Synthetic Processes in Rat Hearts. <i>Journal of Nutrition</i> , 2006, 136, 2284-2290.	1.3	20
54	Hormonal and Metabolic Effects of Olanzapine and Clozapine Related to Body Weight in Rodents. <i>Obesity</i> , 2006, 14, 36-51.	1.5	157

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55	Meal feeding enhances formation of eIF4F in skeletal muscle: role of increased eIF4E availability and eIF4C phosphorylation. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E631-E642.	1.8	45
56	Leucine in food mediates some of the postprandial rise in plasma leptin concentrations. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E621-E630.	1.8	112
57	Nutrient regulation of PKC $\mu$ is mediated by leucine, not insulin, in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2005, 289, E684-E694.	1.8	27
58	Nutrient Signaling to Muscle and Adipose Tissue by Leucine. Oxidative Stress and Disease, 2005, , .	0.3	2
59	Biochemical approaches for nutritional support of skeletal muscle protein metabolism during sepsis. Nutrition Research Reviews, 2004, 17, 77-88.	2.1	5
60	Potential role of leucine metabolism in the leucine-signaling pathway involving mTOR. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E854-E863.	1.8	96
61	Leucine is a direct-acting nutrient signal that regulates protein synthesis in adipose tissue. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E503-E513.	1.8	139
62	Tissue-specific effects of chronic dietary leucine and norleucine supplementation on protein synthesis in rats. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E824-E835.	1.8	113
63	Calmodulin Signals Capacitation and Triggers the Agonist-Induced Acrosome Reaction in Mouse Spermatozoa. Archives of Biochemistry and Biophysics, 2001, 390, 1-8.	1.4	44
64	Zinc stimulates the activity of the insulin- and nutrient-regulated protein kinase mTOR. American Journal of Physiology - Endocrinology and Metabolism, 2001, 281, E25-E34.	1.8	47
65	Effects of chronic alcohol consumption on regulation of myocardial protein synthesis. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H1242-H1251.	1.5	57
66	Role of Leucine in the Regulation of mTOR by Amino Acids: Revelations from Structure-Activity Studies. Journal of Nutrition, 2001, 131, 861S-865S.	1.3	138
67	Regulation of amino acid-sensitive TOR signaling by leucine analogues in adipocytes. , 2000, 77, 234-251.		146
68	Assessment of cell-signaling pathways in the regulation of mammalian target of rapamycin (mTOR) by amino acids in rat adipocytes. Journal of Cellular Biochemistry, 2000, 79, 427-441.	1.2	66
69	Characterization of the Pharmacological-Sensitivity Profile of Neoglycoprotein-Induced Acrosome Reaction in Mouse Spermatozoa1. Biology of Reproduction, 1999, 61, 629-634.	1.2	17
70	A homolog of the fungal nuclear migration gene nudC is involved in normal and malignant human hematopoiesis. Experimental Hematology, 1999, 27, 742-750.	0.2	39
71	Amino acids stimulate phosphorylation of p70 <sup>S6k</sup> and organization of rat adipocytes into multicellular clusters. American Journal of Physiology - Cell Physiology, 1998, 274, C206-C213.	2.1	123
72	Amino acid effects on translational repressor 4E-BP1 are mediated primarily by leucine in isolated adipocytes. American Journal of Physiology - Cell Physiology, 1998, 275, C1232-C1238.	2.1	138

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73	Role of Pyruvate Carboxylase in Facilitation of Synthesis of Glutamate and Glutamine in Cultured Astrocytes. <i>Journal of Neurochemistry</i> , 1997, 69, 2312-2325.	2.1	102
74	Differentiation-dependent expression of CA V and the role of carbonic anhydrase isozymes in pyruvate carboxylation in adipocytes. <i>FASEB Journal</i> , 1996, 10, 481-490.	0.2	75
75	Glucagon stimulation of hepatic Na <sup>+</sup> -pump activity and $\hat{I}\pm$ -subunit phosphorylation in rat hepatocytes. <i>Biochemical Journal</i> , 1996, 313, 983-989.	1.7	6
76	Guanine nucleotide binding regulatory proteins in liver from obese humans with and without type II diabetes: Evidence for altered $\hat{a}\text{€}cross-talk\hat{a}\text{€}$ between the insulin receptor and Gi-proteins. <i>Journal of Cellular Biochemistry</i> , 1994, 54, 309-319.	1.2	24
77	Okadaic acid stimulates ouabain-sensitive $86Rb^{+}$ -uptake and phosphorylation of the Na <sup>+</sup> /K <sup>+</sup> -ATPase $\hat{I}\pm$ -subunit in rat hepatocytes. <i>FEBS Letters</i> , 1994, 355, 157-162.	1.3	10
78	Formation of the high-affinity agonist state of the $\hat{I}\pm 1$ -adrenergic receptor at cold temperatures does not require a G-protein. <i>FEBS Letters</i> , 1988, 229, 54-58.	1.3	13
79	An endogenous Ca <sup>2+</sup> -sensitive proteinase converts the hepatic $\hat{I}\pm 1$ -adrenergic receptor to guanine nucleotide-insensitive forms. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1986, 885, 110-120.	1.9	20
80	Lack of correlation between [ <sup>3</sup> H]ouabain binding and Na-K ATPase inhibition in rat aorta. <i>European Journal of Pharmacology</i> , 1984, 99, 45-55.	1.7	5
81	The Binding of <sup>3</sup> H-Ouabain to Na <sup>+</sup> -K <sup>+</sup> ATPase Sites in Arterial Smooth Muscle. <i>Pharmacology</i> , 1980, 21, 29-37.	0.9	19