

Christopher J Lynch

List of Publications by Year in descending order

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74
papers

3,901
citations

172457

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133252

59
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77
docs citations

77
times ranked

5948
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-Range Forecasting of COVID-19 During Early Onset at County, Health District, and State Geographic Levels Using Seven Methods: Comparative Forecasting Study. Journal of Medical Internet Research, 2021, 23, e24925.	4.3	21
2	BCAA Supplementation in Mice with Diet-induced Obesity Alters the Metabolome Without Impairing Glucose Homeostasis. Endocrinology, 2021, 162, .	2.8	28
3	Application of one-, three-, and seven-day forecasts during early onset on the COVID-19 epidemic dataset using moving average, autoregressive, autoregressive moving average, autoregressive integrated moving average, and naïve forecasting methods. Data in Brief, 2021, 35, 106759.	1.0	9
4	Methods for Weighting Decisions to Assist Modelers and Decision Analysts: A Review of Ratio Assignment and Approximate Techniques. Applied Sciences (Switzerland), 2021, 11, 10397.	2.5	10
5	Increased Need for Data Analytics Education in Support of Verification and Validation. , 2021, , .		1
6	A content analysis-based approach to explore simulation verification and identify its current challenges. PLoS ONE, 2020, 15, e0232929.	2.5	9
7	Education in Analytics Needed for the Modeling & Simulation Process. , 2020, , .		3
8	A knottin scaffold directs the CXC-chemokine binding specificity of tick evasion. Journal of Biological Chemistry, 2019, 294, 11199-11212.	3.4	22
9	A report of activities related to the Dietary Reference Intakes from the Joint Canada-US Dietary Reference Intakes Working Group. American Journal of Clinical Nutrition, 2019, 109, 251-259.	4.7	20
10	Identifying Unexpected Behaviors of Agent-Based Models Through Spatial Plots and Heat Maps. Understanding Complex Systems, 2019, , 129-142.	0.6	1
11	Modelling terror management theory: computer simulations of the impact of mortality salience on religiosity. Religion, Brain and Behavior, 2018, 8, 77-100.	0.7	35
12	Observations on the practice and profession of modeling and simulation: A survey approach. Simulation, 2018, 94, 493-506.	1.8	17
13	HOW TO CREATE EMPATHY AND UNDERSTANDING: NARRATIVE ANALYTICS IN AGENT-BASED MODELING. , 2018, , .		3
14	Temporal and spatiotemporal investigation of tourist attraction visit sentiment on Twitter. PLoS ONE, 2018, 13, e0198857.	2.5	86
15	A Generative Model of the Mutual Escalation of Anxiety Between Religious Groups. Jasss, 2018, 21, .	1.8	33
16	Towards a World Wide Web of Simulation. Journal of Defense Modeling and Simulation, 2017, 14, 159-170.	1.7	4
17	Applying statistical debugging for enhanced trace validation of agent-based models. Simulation, 2017, 93, 273-284.	1.8	14
18	Incorporating sound in simulations. , 2017, , .		3

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19	Storytelling and simulation creation. , 2017, , .		5
20	A common mechanism by which type 2A von Willebrand disease mutations enhance ADAMTS13 proteolysis revealed with a von Willebrand factor A2 domain FRET construct. PLoS ONE, 2017, 12, e0188405.	2.5	9
21	Augmenting Bottom-up Metamodels with Predicates. Jasss, 2017, 20, .	1.8	10
22	The impact of modeling paradigms on the outcome of simulation studies: An experimental case study. , 2016, , .		1
23	Analysis of future UAS-based delivery. , 2016, , .		13
24	Towards airspace rules for future UAS-based delivery. , 2016, , .		1
25	Using simulation games for teaching and learning discrete-event simulation. , 2016, , .		17
26	Identifying key papers within a journal via network centrality measures. Scientometrics, 2016, 107, 1005-1020.	3.0	17
27	N-linked glycan stabilization of the VWF A2 domain. Blood, 2016, 127, 1711-1718.	1.4	20
28	Formal methods, statistical debugging and exploratory analysis in support of system development: Towards a verification and validation calculator tool. International Journal of Modeling, Simulation, and Scientific Computing, 2016, 07, 1641001.	1.4	12
29	Emergent behavior identification within an agent-based model of the Ballistic Missile Defense System using statistical debugging. Journal of Defense Modeling and Simulation, 2016, 13, 275-289.	1.7	10
30	Quantitative performance metrics for evaluation and comparison of middleware interoperability products. Journal of Defense Modeling and Simulation, 2016, 13, 161-169.	1.7	1
31	Content analysis to classify and compare Live, Virtual, Constructive simulations and System of Systems. Journal of Defense Modeling and Simulation, 2016, 13, 367-380.	1.7	6
32	A taxonomy for classifying terminologies that describe simulations with multiple models. , 2015, , .		14
33	An overview of modeling and simulation using content analysis. Scientometrics, 2015, 103, 977-1002.	3.0	16
34	Global deletion of BCATm increases expression of skeletal muscle genes associated with protein turnover. Physiological Genomics, 2015, 47, 569-580.	2.3	13
35	Cloud-based simulators: Making simulations accessible to non-experts and experts alike. , 2014, , .		10
36	A multi-paradigm modeling framework for modeling and simulating problem situations. , 2014, , .		19

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37	Control of VWF A2 domain stability and ADAMTS13 access to the scissile bond of full-length VWF. <i>Blood</i> , 2014, 123, 2585-2592.	1.4	21
38	Leucine and Protein Metabolism in Obese Zucker Rats. <i>PLoS ONE</i> , 2013, 8, e59443.	2.5	91
39	Inhibition of mTOR Suppresses UVB-Induced Keratinocyte Proliferation and Survival. <i>Cancer Prevention Research</i> , 2012, 5, 1394-1404.	1.5	51
40	Atypical Antipsychotics Rapidly and Inappropriately Switch Peripheral Fuel Utilization to Lipids, Impairing Metabolic Flexibility in Rodents. <i>Schizophrenia Bulletin</i> , 2012, 38, 153-166.	4.3	66
41	Some cannabinoid receptor ligands and their distomers are direct-acting openers of SUR1 K _{ATP} channels. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E540-E551.	3.5	10
42	A remote monitoring system for treating Pectus Carinatum. , 2011, , .		1
43	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.	0.9	128
44	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.	3.5	57
45	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.	2.3	22
46	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.	2.5	96
47	Disruption of BCAA metabolism in mice impairs exercise metabolism and endurance. <i>Journal of Applied Physiology</i> , 2010, 108, 941-949.	2.5	56
48	Impact of Chronic Alcohol Ingestion on Cardiac Muscle Protein Expression. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 1226-1234.	2.4	17
49	Alcohol-Induced IGF-I Resistance Is Ameliorated in Mice Deficient for Mitochondrial Branched-Chain Aminotransferase. <i>Journal of Nutrition</i> , 2010, 140, 932-938.	2.9	19
50	Transamination Is Required for α -Ketoisocaproate but Not Leucine to Stimulate Insulin Secretion*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33718-33726.	3.4	50
51	Adipose Tissue Branched Chain Amino Acid (BCAA) Metabolism Modulates Circulating BCAA Levels. <i>Journal of Biological Chemistry</i> , 2010, 285, 11348-11356.	3.4	321
52	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.	3.5	49
53	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.	3.4	110
54	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.	3.4	51

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55	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.	1.8	31
56	Cardiolipin Remodeling by ALCAT1 Links Oxidative Stress and Mitochondrial Dysfunction to Obesity. <i>Cell Metabolism</i> , 2010, 12, 154-165.	16.2	233
57	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.	8.2	182
58	Lactating Porcine Mammary Tissue Catabolizes Branched-Chain Amino Acids for Glutamine and Aspartate Synthesis. <i>Journal of Nutrition</i> , 2009, 139, 1502-1509.	2.9	77
59	Leucine Supplementation of Drinking Water Does Not Alter Susceptibility to Diet-Induced Obesity in Mice. <i>Journal of Nutrition</i> , 2009, 139, 715-719.	2.9	87
60	Apolipoprotein A ^{IV} , a Putative Satiety/Antiatherogenic Factor, Rises After Gastric Bypass. <i>Obesity</i> , 2009, 17, 46-52.	3.0	57
61	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.	4.2	77
62	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.	3.5	417
63	Rapamycin blunts nutrient stimulation of eIF4G, but not PKC μ phosphorylation, in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E188-E196.	3.5	27
64	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.	16.2	326
65	Hormonal and Metabolic Effects of Olanzapine and Clozapine Related to Body Weight in Rodents. <i>Obesity</i> , 2006, 14, 36-51.	3.0	157
66	Meal feeding enhances formation of eIF4F in skeletal muscle: role of increased eIF4E availability and eIF4G phosphorylation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 290, E631-E642.	3.5	45
67	Leucine in food mediates some of the postprandial rise in plasma leptin concentrations. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 291, E621-E630.	3.5	112
68	Nutrient regulation of PKC μ is mediated by leucine, not insulin, in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 289, E684-E694.	3.5	27
69	Biochemical approaches for nutritional support of skeletal muscle protein metabolism during sepsis. <i>Nutrition Research Reviews</i> , 2004, 17, 77-88.	4.1	5
70	Calmodulin Signals Capacitation and Triggers the Agonist-Induced Acrosome Reaction in Mouse Spermatozoa. <i>Archives of Biochemistry and Biophysics</i> , 2001, 390, 1-8.	3.0	44
71	Regulation of amino acid-sensitive TOR signaling by leucine analogues in adipocytes. , 2000, 77, 234-251.		146
72	Assessment of cell-signaling pathways in the regulation of mammalian target of rapamycin (mTOR) by amino acids in rat adipocytes. <i>Journal of Cellular Biochemistry</i> , 2000, 79, 427-441.	2.6	66

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73	Characterization of the Pharmacological-Sensitivity Profile of Neoglycoprotein-Induced Acrosome Reaction in Mouse Spermatozoa. <i>Biology of Reproduction</i> , 1999, 61, 629-634.	2.7	17
74	A homolog of the fungal nuclear migration gene nudC is involved in normal and malignant human hematopoiesis. <i>Experimental Hematology</i> , 1999, 27, 742-750.	0.4	39