

# Lynn Arthur Megeney

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61  
papers

4,452  
citations

32  
h-index

63  
g-index

63  
ext. papers

5,395  
ext. citations

7.5  
avg, IF

5.17  
L-index

#	Paper	IF	Citations
61	Caspase Signaling Pathways as Convenors of Stress Adaptation <b>2022</b> , 87-102		
60	Cancer cells use self-inflicted DNA breaks to evade growth limits imposed by genotoxic stress.. <i>Science</i> , <b>2022</b> , 376, 476-483	33.3	0
59	MLIP causes recessive myopathy with rhabdomyolysis, myalgia and baseline elevated serum creatine kinase. <i>Brain</i> , <b>2021</b> , 144, 2722-2731	11.2	5
58	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , <b>2021</b> , 17, 1-382	10.2	440
57	Classification and Nomenclature of Metacaspases and Paracaspases: No More Confusion with Caspases. <i>Molecular Cell</i> , <b>2020</b> , 77, 927-929	17.6	35
56	The metacaspase Yca1 maintains proteostasis through multiple interactions with the ubiquitin system. <i>Cell Discovery</i> , <b>2019</b> , 5, 6	22.3	8
55	Caspase signaling, a conserved inductive cue for metazoan cell differentiation. <i>Seminars in Cell and Developmental Biology</i> , <b>2018</b> , 82, 96-104	7.5	11
54	A rapid and efficient method for the isolation of postnatal murine cardiac myocyte and fibroblast cells. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2018</b> , 96, 535-539	2.4	6
53	Expression of murine muscle-enriched A-type lamin-interacting protein (MLIP) is regulated by tissue-specific alternative transcription start sites. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 19761-19770	5.4	6
52	Guidelines and recommendations on yeast cell death nomenclature. <i>Microbial Cell</i> , <b>2018</b> , 5, 4-31	3.9	96
51	Caspase Cleavage of Gelsolin Is an Inductive Cue for Pathologic Cardiac Hypertrophy. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7, e010404	6	2
50	Evolution of caspase-mediated cell death and differentiation: twins separated at birth. <i>Cell Death and Differentiation</i> , <b>2017</b> , 24, 1359-1368	12.7	75
49	Cardiotrophin 1 stimulates beneficial myogenic and vascular remodeling of the heart. <i>Cell Research</i> , <b>2017</b> , 27, 1195-1215	24.7	25
48	Temporal activation of XRCC1-mediated DNA repair is essential for muscle differentiation. <i>Cell Discovery</i> , <b>2016</b> , 2, 15041	22.3	22
47	The beneficial role of proteolysis in skeletal muscle growth and stress adaptation. <i>Skeletal Muscle</i> , <b>2016</b> , 6, 16	5.1	65
46	Caspase 3 cleavage of Pax7 inhibits self-renewal of satellite cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E5246-52	11.5	50
45	Wnt/βcatenin controls follistatin signalling to regulate satellite cell myogenic potential. <i>Skeletal Muscle</i> , <b>2015</b> , 5, 14	5.1	51

44	Yeast proteinopathy models: a robust tool for deciphering the basis of neurodegeneration. <i>Microbial Cell</i> , <b>2015</b> , 2, 458-465	3.9	14
43	Monitoring the proteostasis function of the <i>Saccharomyces cerevisiae</i> metacaspase Yca1. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1133, 223-35	1.4	
42	The role of Yca1 in proteostasis. Yca1 regulates the composition of the insoluble proteome. <i>Journal of Proteomics</i> , <b>2013</b> , 81, 24-30	3.9	18
41	Cell death proteins: an evolutionary role in cellular adaptation before the advent of apoptosis. <i>BioEssays</i> , <b>2013</b> , 35, 974-83	4.1	18
40	Intrinsic-mediated caspase activation is essential for cardiomyocyte hypertrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E4079-87	11.5	41
39	A novel whole-cell lysate kinase assay identifies substrates of the p38 MAPK in differentiating myoblasts. <i>Skeletal Muscle</i> , <b>2012</b> , 2, 5	5.1	30
38	The non-death role of metacaspase proteases. <i>Frontiers in Oncology</i> , <b>2012</b> , 2, 78	5.3	19
37	CD34 promotes satellite cell motility and entry into proliferation to facilitate efficient skeletal muscle regeneration. <i>Stem Cells</i> , <b>2011</b> , 29, 2030-41	5.8	54
36	Quantitative proteomic analysis of dystrophic dog muscle. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 2465-78	5.8	57
35	Wnt11 promotes cardiomyocyte development by caspase-mediated suppression of canonical Wnt signals. <i>Molecular and Cellular Biology</i> , <b>2011</b> , 31, 163-78	4.8	61
34	Metacaspase Yca1 is required for clearance of insoluble protein aggregates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 13348-53	11.5	111
33	Parole terms for a killer: directing caspase3/CAD induced DNA strand breaks to coordinate changes in gene expression. <i>Cell Cycle</i> , <b>2010</b> , 9, 2940-5	4.7	94
32	Caspase 3/caspase-activated DNase promote cell differentiation by inducing DNA strand breaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 4230-5	11.5	167
31	Cardiotrophin-1 maintains the undifferentiated state in skeletal myoblasts. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 19679-93	5.4	24
30	Bin1 SRC homology 3 domain acts as a scaffold for myofiber sarcomere assembly. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 27674-86	5.4	24
29	PTEN contributes to profound PI3K/Akt signaling pathway deregulation in dystrophin-deficient dog muscle. <i>American Journal of Pathology</i> , <b>2009</b> , 174, 1459-70	5.8	30
28	Reconstructing regulatory kinase pathways from phosphopeptide data: a bioinformatics approach. <i>Methods in Molecular Biology</i> , <b>2009</b> , 527, 311-9, x	1.4	2
27	Rehabilitation of a contract killer: caspase-3 directs stem cell differentiation. <i>Cell Stem Cell</i> , <b>2008</b> , 2, 515-18	1.6	35

26	A non-death role of the yeast metacaspase: Yca1p alters cell cycle dynamics. <i>PLoS ONE</i> , <b>2008</b> , 3, e2956	3.7	68
25	Isolation of phosphoproteins. <i>Methods in Molecular Biology</i> , <b>2008</b> , 424, 365-72	1.4	4
24	Is caspase-dependent apoptosis only cell differentiation taken to the extreme?. <i>FASEB Journal</i> , <b>2007</b> , 21, 8-17	0.9	80
23	Identification of candidate regulators of embryonic stem cell differentiation by comparative phosphoprotein affinity profiling. <i>Molecular and Cellular Proteomics</i> , <b>2006</b> , 5, 57-67	7.6	25
22	Reconstructing the regulatory kinase pathways of myogenesis from phosphopeptide data. <i>Molecular and Cellular Proteomics</i> , <b>2006</b> , 5, 2244-51	7.6	19
21	The yeast kinome displays scale free topology with functional hub clusters. <i>BMC Bioinformatics</i> , <b>2005</b> , 6, 271	3.6	9
20	Calcineurin-NFAT signaling, together with GABP and peroxisome PGC-1{alpha}, drives utrophin gene expression at the neuromuscular junction. <i>American Journal of Physiology - Cell Physiology</i> , <b>2005</b> , 289, C908-17	5.4	65
19	Active kinase proteome screening reveals novel signal complexity in cardiomyopathy. <i>Molecular and Cellular Proteomics</i> , <b>2005</b> , 4, 673-82	7.6	8
18	Neural stem cell differentiation is dependent upon endogenous caspase 3 activity. <i>FASEB Journal</i> , <b>2005</b> , 19, 1671-3	0.9	166
17	Glucocorticoid treatment alleviates dystrophic myofiber pathology by activation of the calcineurin/NF-AT pathway. <i>FASEB Journal</i> , <b>2004</b> , 18, 1937-9	0.9	68
16	Comparative analysis of phosphoprotein-enriched myocyte proteomes reveals widespread alterations during differentiation. <i>FEBS Letters</i> , <b>2004</b> , 574, 138-44	3.8	17
15	Getting to the heart of the matter: exploring opportunities for gene therapy treatment of dystrophic cardiomyopathy. <i>Current Gene Therapy</i> , <b>2004</b> , 4, 195-8	4.3	
14	Expression of utrophin A mRNA correlates with the oxidative capacity of skeletal muscle fiber types and is regulated by calcineurin/NFAT signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 7791-6	11.5	109
13	Phosphorylation-dependent structural alterations in the small hsp30 chaperone are associated with cellular recovery. <i>Experimental Cell Research</i> , <b>2003</b> , 286, 175-85	4.2	26
12	Caspase 3 activity is required for skeletal muscle differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 11025-30	11.5	426
11	The post-natal heart contains a myocardial stem cell population. <i>FEBS Letters</i> , <b>2002</b> , 530, 239-43	3.8	343
10	Activation of JNK1 contributes to dystrophic muscle pathogenesis. <i>Current Biology</i> , <b>2001</b> , 11, 1278-82	6.3	68
9	Severe cardiomyopathy in mice lacking dystrophin and MyoD. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 220-5	11.5	109

8	MEF2 is upregulated during cardiac hypertrophy and is required for normal post-natal growth of the myocardium. <i>Current Biology</i> , <b>1999</b> , 9, 1203-6	6.3	129
7	Regeneration and myogenic cell proliferation correlate with taurine levels in dystrophin- and MyoD-deficient muscles. <i>The Anatomical Record</i> , <b>1998</b> , 252, 311-24		46
6	Strain-dependent myeloid hyperplasia, growth deficiency, and accelerated cell cycle in mice lacking the Rb-related p107 gene. <i>Molecular and Cellular Biology</i> , <b>1998</b> , 18, 7455-65	4.8	131
5	MyoD is required for myogenic stem cell function in adult skeletal muscle. <i>Genes and Development</i> , <b>1996</b> , 10, 1173-83	12.6	519
4	bFGF and LIF signaling activates STAT3 in proliferating myoblasts. <i>Genesis</i> , <b>1996</b> , 19, 139-45		81
3	Determination versus differentiation and the MyoD family of transcription factors. <i>Biochemistry and Cell Biology</i> , <b>1995</b> , 73, 723-32	3.6	191
2	Epinephrine administration stimulates GLUT4 translocation but reduces glucose transport in muscle. <i>Biochemical and Biophysical Research Communications</i> , <b>1992</b> , 187, 685-91	3.4	45
1	Chromatin reorganization during myoblast differentiation involves the caspase-dependent removal of SATB2		2