Lawrence M Schwartz

List of Publications by Year
in descending order

66 papers	4,188 citations	172457 29 h-index	118850 62 g-index
69 all docs	69 docs citations	69 times ranked	3110 citing authors

#	Article	IF	Citations
1	Apoptotic signals delivered through the T-cell receptor of a T-cell hybrid require the immediateâ€“early gene nur77. Nature, 1994, 367, 281-284.	27.8	547
2	Programmed cell death, apoptosis and killer genes. Trends in Immunology, 1993, 14, 582-590.	7.5	388
3	Dihydropyridine receptors in muscle are voltage-dependent but most are not functional calcium channels. Nature, 1985, 314, 747-751.	27.8	265
4	Hormonal control of rates of metamorphic development in the tobacco hornworm Manduca sexta. Developmental Biology, 1983, 99, 103-114.	2.0	222
5	Activation of polyubiquitin gene expression during developmentally programmed cell death. Neuron, 1990, 5, 411-419.	8.1	204
6	Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, Manduca sexta. Insect Biochemistry and Molecular Biology, 2016, 76, 118-147.	2.7	154
7	Ecdysteroids regulate the release and action of eclosion hormone in the tobacco hornworm, Manduca sexta (L.). Journal of Insect Physiology, 1983, 29, 895-900.	2.0	146
8	Eclosion hormone may control all ecdyses in insects. Nature, 1981, 291, 70-71.	27.8	136
9	Increased Production of Amyloid Precursor Protein Provides a Substrate for Caspase-3 in Dying Motoneurons. Journal of Neuroscience, 1998, 18, 5869-5880.	3.6	128
10	Cold thoughts of death: the role of ICE proteases in neuronal cell death. Trends in Neurosciences, 1996, 19, 555-562.	8.6	121
11	Drosophila Morgue is an F box/ubiquitin conjugase domain protein important for grim-reaper mediated apoptosis. Nature Cell Biology, 2002, 4, 451-456.	10.3	121
12	Drosophila sickle Is a Novel grim-reaper Cell Death Activator. Current Biology, 2002, 12, 131-135.	3.9	112
13	Coordinated Induction of the Ubiquitin Conjugation Pathway Accompanies the Developmentally Programmed Death of Insect Skeletal Muscle. Journal of Biological Chemistry, 1995, 270, 9407-9412.	3.4	111
14	Distinct cell killing properties of the Drosophila reaper, head involution defective, and grim genes. Cell Death and Differentiation, 1998, 5, 930-939.	11.2	94
15	Essential genes that regulate apoptosis. Trends in Cell Biology, 1994, 4, 394-399.	7.9	89
16	Programmed cell death in the Drosophila central nervous system midline. Current Biology, 1995, 5, 784-790.	3.9	89
17	Changes in the Structure and Function of the Multicatalytic Proteinase (Proteasome) during Programmed Cell Death in the Intersegmental Muscles of the Hawkmoth, Manduca sexta. Developmental Biology, 1995, 169, 436-447.	2.0	88
18	The role of cell death genes during development. BioEssays, 1991, 13, 389-395.	2.5	84

#	Article	IF	Citations
19	Insect muscle as a model for programmed cell death. Journal of Neurobiology, 1992, 23, 1312-1326.	3.6	80
20	The immune signaling pathways of Manduca sexta. Insect Biochemistry and Molecular Biology, 2015, 62, 64-74.	2.7	79
21	Identification of Genes Induced during Apoptosis in T Lymphocytes. Immunological Reviews, 1994, 142, 301-320.	6.0	67
22	Apolipophorin III is dramatically up-regulated during the programmed death of insect skeletal muscle and neurons. Journal of Neurobiology, 1995, 26, 119-129.	3.6	62
23	Vascular heterogeneity and targeting: the role of YKL-40 in glioblastoma vascularization. Oncotarget, 2015, 6, 40507-40518.	1.8	56
24	The RHG motifs of Drosophila Reaper and Grim are important for their distinct cell death-inducing abilities. Mechanisms of Development, 2001, 102, 193-203.	1.7	55
25	Skeletal Muscles Do Not Undergo Apoptosis During Either Atrophy or Programmed Cell Death-Revisiting the Myonuclear Domain Hypothesis. Frontiers in Physiology, 2018, 9, 1887.	2.8	52
26	Ubiquitin in homeostasis, development and disease. BioEssays, 1995, 17, 677-684.	2.5	45
27	Selective Repression of Actin and Myosin Heavy Chain Expression during the Programmed Death of Insect Skeletal Muscle. Developmental Biology, 1993, 158, 448-455.	2.0	41
28	Neuronal death, a tradition of dying. Journal of Neurobiology, 1992, 23, 1111-1115.	3.6	38
29	Acheron, a novel member of the Lupus Antigen family, is induced during the programmed cell death of skeletal muscles in the moth Manduca sexta. Gene, 2007, 393, 101-109.	2.2	34
30	Autophagic Cell Death During Development â€“ Ancient and Mysterious. Frontiers in Cell and Developmental Biology, 2021, 9, 656370.	3.7	33
31	A Member of the Phylogenetically Conserved CAD Family of Transcriptional Regulators Is Dramatically Up-Regulated during the Programmed Cell Death of Skeletal Muscle in the Tobacco HawkmothManduca sexta. Developmental Biology, 1996, 173, 499-509.	2.0	29
32	Chapter 18 Model cell lines for the study of apoptosis in vitro. Methods in Cell Biology, 2001, 66, 417-436.	1.1	26
33	Cloning and analysis of small cytoplasmic leucine-rich repeat protein (SCLP), a novel, phylogenetically-conserved protein that is dramatically up-regulated during the programmed death of moth skeletal muscle. , 1999, 41, 482-494.		25
34	The novel lupus antigen related protein acheron enhances the development of human breast cancer. International Journal of Cancer, 2012, 130, 544-554.	5.1	23
35	Characterization of a ubiquitin-fusion gene from the tobacco hawkmoth,Manduca sexta. Nucleic Acids Research, 1990, 18, 6039-6043.	14.5	22
36	Changes in contractile properties of skeletal muscle during developmentally programmed atrophy and death. American Journal of Physiology - Cell Physiology, 2002, 282, C1270-C1277.	4.6	20

#	Article	IF	Citations
37	Acheron, an novel LA antigen family member, binds to cask and forms a complex with id transcription factors. Cellular and Molecular Biology Letters, 2009, 14, 273-87.	7.0	20
38	The myonuclear domain is not maintained in skeletal muscle during either atrophy or programmed cell death. American Journal of Physiology - Cell Physiology, 2016, 311, C607-C615.	4.6	20
39	A Heparin Binding Motif Rich in Arginine and Lysine is the Functional Domain of YKL-40. Neoplasia, 2018, 20, 182-192.	5.3	20
40	Regulation of muscle differentiation and survival by Acheron. Mechanisms of Development, 2009, 126, 700-709.	1.7	19
41	Type 2 diabetes impairs the ability of skeletal muscle pericytes to augment postischemic neovascularization in db/db mice. American Journal of Physiology - Cell Physiology, 2018, 314, C534-C544.	4.6	18
42	NOT ALL MUSCLES MEET THE SAME FATE WHEN THEY DIE. Cell Biology International, 2001, 25, 539-545.	3.0	16
43	Acheron, a Lupus antigen family member, regulates integrin expression, adhesion, and motility in differentiating myoblasts. American Journal of Physiology - Cell Physiology, 2010, 298, C46-C55.	4.6	16
44	Ced-3/ICE: Evolutionarily conserved regulation of cell death. BioEssays, 1994, 16, 387-389.	2.5	15
45	Allelic variation of the polyubiquitin gene in the tobacco hawkmoth, Manduca sexta, and its regulation by heat shock and programmed cell death. Insect Biochemistry and Molecular Biology, 1996, 26, 1037-1046.	2.7	14
46	Imaginal cell-specific accumulation of the multicatalytic proteinase complex (proteasome) during post-embryonic development in the tobacco hornworm,Manduca sexta. , 1996, 365, 329-341.		13
47	Cell Death in Myoblasts and Muscles. Methods in Molecular Biology, 2009, 559, 313-332.	0.9	13
48	Identification of a phylogenetically conserved Sug1 CAD family member that is differentially expressed in the mouse nervous system. Journal of Neurobiology, 1997, 33, 877-890.	3.6	12
49	Differential roles of HIC-5 isoforms in the regulation of cell death and myotube formation during myogenesis. Experimental Cell Research, 2007, 313, 4000-4014.	2.6	12
50	Post-transcriptional regulation of gene expression during the programmed death of insect skeletal muscle. Development Genes and Evolution, 2001, 211, 397-405.	0.9	11
51	Identification and analysis of Hic-5/ARA55 isoforms: Implications for integrin signaling and steroid hormone action. FEBS Letters, 2005, 579, 5651-5657.	2.8	10
52	Acheron/Larp6 Is a Survival Protein That Protects Skeletal Muscle From Programmed Cell Death During Development. Frontiers in Cell and Developmental Biology, 2020, 8, 622.	3.7	9
53	High-resolution analysis of differential gene expression during skeletal muscle atrophy and programmed cell death. Physiological Genomics, 2020, 52, 492-511.	2.3	8
54	Cross Talk opposing view: Myonuclei do not undergo apoptosis during skeletal muscle atrophy. Journal of Physiology, 2022, 600, 2081-2084.	2.9	8

#	Article	IF	Citations
55	Genes that regulate apoptosis in the mouse thymus. , 1996, 60, 18-22.		6
56	Transegmental electrical coupling between adjacent intersegemental muscles in the tobacco hawkmoth (Manduca sexta). Journal of Insect Physiology, 1981, 27, 727-734.	2.0	5
57	Endocrine regulation of terminal muscle differentiation. Insect Biochemistry, 1986, 16, 203-209.	1.8	5
58	Chapter 7 Cloning Cell Death Genes. Methods in Cell Biology, 1995, 46, 107-138.	1.1	5
59	Cell death suffers a TKO. BioEssays, 1995, 17, 557-559.	2.5	5
60	Programmed Cell Death in Insects. , 2012, , 419-449.		5
61	Somatic piRNAs and Transposons are Differentially Expressed Coincident with Skeletal Muscle Atrophy and Programmed Cell Death. Frontiers in Genetics, 2021, 12, 775369.	2.3	5
62	Chapter 6 Transient Transfection Assays to Examine the Requirement of Putative Cell Death Genes. Methods in Cell Biology, 1995, 46, 99-106.	1.1	2
63	Differential control of cell death and gene expression during two distinct phases of hormonally-regulated muscle death in the tobacco hawkmoth Manduca sexta. Journal of Insect Physiology, 2009, 55, 314-320.	2.0	2
64	Generation of a Moveable Poly(A)+ Cassette. BioTechniques, 1997, 23, 86-88.	1.8	1
65	Acute skeletal muscle injury induces temporal changes in NFâ€kB activation and MCPâ€1 secretion in C2C12 myotube cultures. FASEB Journal, 2013, 27, 942.6.	0.5	0
66	ENDOCRINE REGULATION OF TERMINAL MUSCLE DIFFERENTIATION. , 1986, , 203-209.		0