

Hermann Steller

List of Publications by Year in descending order

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85
papers

11,201
citations

31976

53
h-index

54911

84
g-index

88
all docs

88
docs citations

88
times ranked

10610
citing authors

#	ARTICLE	IF	CITATIONS
1	Programmed Cell Death in Animal Development and Disease. <i>Cell</i> , 2011, 147, 742-758.	28.9	1,487
2	Apoptotic Cells Can Induce Compensatory Cell Proliferation through the JNK and the Wingless Signaling Pathways. <i>Developmental Cell</i> , 2004, 7, 491-501.	7.0	546
3	Live to die another way: modes of programmed cell death and the signals emanating from dying cells. <i>Nature Reviews Molecular Cell Biology</i> , 2015, 16, 329-344.	37.0	502
4	The <i>Drosophila</i> Gene <i>hid</i> Is a Direct Molecular Target of Ras-Dependent Survival Signaling. <i>Cell</i> , 1998, 95, 331-341.	28.9	462
5	Induction of apoptosis by <i>Drosophila</i> reaper, <i>hid</i> and <i>grim</i> through inhibition of IAP function. <i>EMBO Journal</i> , 2000, 19, 589-597.	7.8	424
6	Caspase Activity and a Specific Cytochrome C Are Required for Sperm Differentiation in <i>Drosophila</i> . <i>Developmental Cell</i> , 2003, 4, 687-697.	7.0	391
7	DCP-1, a <i>Drosophila</i> Cell Death Protease Essential for Development. <i>Science</i> , 1997, 275, 536-540.	12.6	309
8	The DIAP1 RING finger mediates ubiquitination of Dronc and is indispensable for regulating apoptosis. <i>Nature Cell Biology</i> , 2002, 4, 445-450.	10.3	274
9	A Steroid-Triggered Transcriptional Hierarchy Controls Salivary Gland Cell Death during <i>Drosophila</i> Metamorphosis. <i>Molecular Cell</i> , 2000, 5, 445-455.	9.7	264
10	Regulation of <i>Drosophila</i> IAP1 degradation and apoptosis by reaper and <i>ubcD1</i> . <i>Nature Cell Biology</i> , 2002, 4, 432-438.	10.3	263
11	The <i>Sept4</i> Septin Locus Is Required for Sperm Terminal Differentiation in Mice. <i>Developmental Cell</i> , 2005, 8, 353-364.	7.0	263
12	Apoptosis, Stem Cells, and Tissue Regeneration. <i>Science Signaling</i> , 2010, 3, re8.	3.6	258
13	Unfolded protein response in a <i>Drosophila</i> model for retinal degeneration. <i>EMBO Journal</i> , 2007, 26, 242-252.	7.8	253
14	disconnected: A locus required for neuronal pathway formation in the visual system of <i>drosophila</i> . <i>Cell</i> , 1987, 50, 1139-1153.	28.9	244
15	Regulation of apoptosis in <i>Drosophila</i> . <i>Cell Death and Differentiation</i> , 2008, 15, 1132-1138.	11.2	228
16	A novel mitochondrial septin-like protein, ARTS, mediates apoptosis dependent on its P-loop motif. <i>Nature Cell Biology</i> , 2000, 2, 915-921.	10.3	226
17	HAC-1, a <i>Drosophila</i> Homolog of APAF-1 and CED-4, Functions in Developmental and Radiation-Induced Apoptosis. <i>Molecular Cell</i> , 1999, 4, 745-755.	9.7	195
18	Disruption of a Behavioral Sequence by Targeted Death of Peptidergic Neurons in <i>Drosophila</i> . <i>Neuron</i> , 1997, 19, 813-823.	8.1	194

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19	Regulation of Cell Number by MAPK-Dependent Control of Apoptosis. <i>Developmental Cell</i> , 2002, 2, 159-170.	7.0	187
20	The influence of retinal innervation on neurogenesis in the first optic ganglion of drosophila. <i>Neuron</i> , 1991, 6, 83-99.	8.1	183
21	Regulation of apoptosis by XIAP ubiquitin-ligase activity. <i>Genes and Development</i> , 2008, 22, 2256-2266.	5.9	171
22	The mitochondrial ARTS protein promotes apoptosis through targeting XIAP. <i>EMBO Journal</i> , 2004, 23, 1627-1635.	7.8	166
23	Requirement for DCP-1 Caspase During Drosophila Oogenesis. <i>Science</i> , 1998, 279, 230-234.	12.6	164
24	Blocking apoptosis prevents blindness in Drosophila retinal degeneration mutants. <i>Nature</i> , 1998, 391, 587-591.	27.8	153
25	Death by design: mechanism and control of apoptosis. <i>Trends in Cell Biology</i> , 1999, 9, M49-M52.	7.9	146
26	Apoptotic cells can induce non-autonomous apoptosis through the TNF pathway. <i>ELife</i> , 2013, 2, e01004.	6.0	130
27	Proteasome Regulation by ADP-Ribosylation. <i>Cell</i> , 2013, 153, 614-627.	28.9	126
28	The two Drosophila cytochrome C proteins can function in both respiration and caspase activation. <i>EMBO Journal</i> , 2006, 25, 232-243.	7.8	118
29	Activation of the reaper Gene during Ectopic Cell Killing in Drosophila. <i>Developmental Biology</i> , 1996, 180, 213-226.	2.0	112
30	Mechanisms and control of programmed cell death in invertebrates. <i>Oncogene</i> , 1998, 17, 3215-3223.	5.9	111
31	Kinesin-II Is Required for Axonal Transport of Choline Acetyltransferase in Drosophila. <i>Journal of Cell Biology</i> , 1999, 147, 507-518.	5.2	108
32	A Ubiquitin Ligase Complex Regulates Caspase Activation During Sperm Differentiation in Drosophila. <i>PLoS Biology</i> , 2007, 5, e251.	5.6	108
33	Spreading the word: non-autonomous effects of apoptosis during development, regeneration and disease. <i>Development (Cambridge)</i> , 2015, 142, 3253-3262.	2.5	101
34	Biochemical and Genetic Interactions between Drosophila Caspases and the Proapoptotic Genes <i>rpr</i> , <i>hid</i> , and <i>grim</i> . <i>Molecular and Cellular Biology</i> , 2000, 20, 2907-2914.	2.3	98
35	A Conserved F Box Regulatory Complex Controls Proteasome Activity in Drosophila. <i>Cell</i> , 2011, 145, 371-382.	28.9	96
36	ER stress protects from retinal degeneration. <i>EMBO Journal</i> , 2009, 28, 1296-1307.	7.8	94

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37	Positional Information along the Dorsal-Ventral Axis of the <i>Drosophila</i> Eye: Graded Expression of the four-jointed Gene. <i>Developmental Biology</i> , 1996, 173, 428-446.	2.0	93
38	Deterin, a New Inhibitor of Apoptosis from <i>Drosophila melanogaster</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 22157-22165.	3.4	90
39	Migration of glial cells into retinal axon target field in <i>Drosophila melanogaster</i> . <i>Journal of Neurobiology</i> , 1996, 30, 359-373.	3.6	85
40	IAP-antagonists exhibit non-redundant modes of action through differential DIAP1 binding. <i>EMBO Journal</i> , 2003, 22, 6642-6652.	7.8	84
41	Facing death in the fly: genetic analysis of apoptosis in <i>Drosophila</i> . <i>Trends in Genetics</i> , 1997, 13, 222-226.	6.7	82
42	<i>Sept4</i> /ARTS is required for stem cell apoptosis and tumor suppression. <i>Genes and Development</i> , 2010, 24, 2282-2293.	5.9	82
43	<i>Sept4</i> ARTS Regulates Stem Cell Apoptosis and Skin Regeneration. <i>Science</i> , 2013, 341, 286-289.	12.6	81
44	Coupling of Apoptosis and L/R Patterning Controls Stepwise Organ Looping. <i>Current Biology</i> , 2010, 20, 1773-1778.	3.9	78
45	Cytochrome <i>c</i> regulates developmental apoptosis in the <i>Drosophila</i> retina. <i>EMBO Reports</i> , 2006, 7, 933-939.	4.5	73
46	Regulation of cell death by the ubiquitin-proteasome system. <i>Current Opinion in Cell Biology</i> , 2009, 21, 878-884.	5.4	71
47	Regulation of R7 and R8 differentiation by the spalt genes. <i>Developmental Biology</i> , 2004, 273, 121-133.	2.0	69
48	Ero1L, a thiol oxidase, is required for Notch signaling through cysteine bridge formation of the Lin12-Notch repeats in <i>Drosophila melanogaster</i> . <i>Journal of Cell Biology</i> , 2008, 182, 1113-1125.	5.2	64
49	The microtubule-targeting agent CA4P regresses leukemic xenografts by disrupting interaction with vascular cells and mitochondrial-dependent cell death. <i>Blood</i> , 2008, 111, 1951-1961.	1.4	64
50	<i>Drosophila</i> IAP antagonists form multimeric complexes to promote cell death. <i>Journal of Cell Biology</i> , 2010, 190, 1039-1052.	5.2	63
51	The contribution of mutant <i>GBA</i> to the development of Parkinson disease in <i>Drosophila</i> . <i>Human Molecular Genetics</i> , 2016, 25, ddw129.	2.9	60
52	Establishment of neuronal connectivity during development of the <i>Drosophila</i> larval visual system. <i>Journal of Neurobiology</i> , 1995, 28, 313-329.	3.6	57
53	Distinct Pathways Mediate UV-Induced Apoptosis in <i>Drosophila</i> Embryos. <i>Developmental Cell</i> , 2003, 4, 599-605.	7.0	56
54	A 43 kilobase cosmid P transposon rescues the <i>fs(1)K10</i> morphogenetic locus and three adjacent <i>drosophila</i> developmental mutants. <i>Cell</i> , 1985, 40, 827-837.	28.9	52

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55	Programmed cell death in <i>Drosophila</i> . <i>Neuron</i> , 1994, 13, 1269-1274.	8.1	50
56	A novel F-box protein is required for caspase activation during cellular remodeling in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2010, 137, 1679-1688.	2.5	50
57	PI31 Is an Adaptor Protein for Proteasome Transport in Axons and Required for Synaptic Development. <i>Developmental Cell</i> , 2019, 50, 509-524.e10.	7.0	50
58	Pathways regulating apoptosis during patterning and development. <i>Current Opinion in Genetics and Development</i> , 2007, 17, 294-299.	3.3	46
59	Detection of apoptosis by terminal deoxynucleotidyl transferase-mediated dUTP nick-end labeling and acridine orange in <i>Drosophila</i> embryos and adult male gonads. <i>Nature Protocols</i> , 2006, 1, 1725-1731.	12.0	45
60	A comparison of programmed cell death between species. <i>Genome Biology</i> , 2000, 1, reviews0003.1.	9.6	38
61	Topography in the <i>Drosophila</i> visual system. <i>Current Opinion in Neurobiology</i> , 1993, 3, 53-59.	4.2	36
62	Regulation of the Proapoptotic ARTS Protein by Ubiquitin-mediated Degradation. <i>Journal of Biological Chemistry</i> , 2005, 280, 25802-25810.	3.4	35
63	STAT92E is a positive regulator of <i>Drosophila</i> inhibitor of apoptosis 1 (DIAP1) and protects against radiation-induced apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13805-13810.	7.1	35
64	The control of apoptosis in <i>Drosophila</i> . <i>Trends in Cell Biology</i> , 1995, 5, 74-78.	7.9	34
65	Two-color in vivo imaging of photoreceptor apoptosis and development in <i>Drosophila</i> . <i>Developmental Biology</i> , 2011, 351, 128-134.	2.0	34
66	Neuronal necrosis is regulated by a conserved chromatin-modifying cascade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13960-13965.	7.1	32
67	PSMD5 Inactivation Promotes 26S Proteasome Assembly during Colorectal Tumor Progression. <i>Cancer Research</i> , 2018, 78, 3458-3468.	0.9	30
68	The zinc finger homeodomain-2 gene of <i>Drosophila</i> controls Notch targets and regulates apoptosis in the tarsal segments. <i>Developmental Biology</i> , 2014, 385, 350-365.	2.0	26
69	<i>Drosophila</i> Past1 is involved in endocytosis and is required for germline development and survival of the adult fly. <i>Journal of Cell Science</i> , 2009, 122, 471-480.	2.0	25
70	The proteasome regulator PI31 is required for protein homeostasis, synapse maintenance, and neuronal survival in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24639-24650.	7.1	22
71	The complex of TRIP-Br1 and XIAP ubiquitinates and degrades multiple adenylyl cyclase isoforms. <i>ELife</i> , 2017, 6, .	6.0	18
72	<i>Drosophila</i> p53: meeting the Grim Reaper. <i>Nature Cell Biology</i> , 2000, 2, E100-E102.	10.3	17

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73	The pathogenic human Torsin A in <i>Drosophila</i> activates the unfolded protein response and increases susceptibility to oxidative stress. <i>BMC Genomics</i> , 2015, 16, 338.	2.8	17
74	Ferritin Assembly in Enterocytes of <i>Drosophila melanogaster</i> . <i>International Journal of Molecular Sciences</i> , 2016, 17, 27.	4.1	16
75	The Conserved RNA Exonuclease REXO5 Is Required for 3' End Maturation of 28S rRNA, 5S rRNA, and snoRNAs. <i>Cell Reports</i> , 2017, 21, 758-772.	6.4	15
76	Thiostrepton, a Natural Compound That Triggers Heat Shock Response and Apoptosis in Human Cancer Cells: A Proteomics Investigation. <i>Advances in Experimental Medicine and Biology</i> , 2014, 806, 443-451.	1.6	13
77	Thiostrepton interacts covalently with Rpt subunits of the 19S proteasome and proteasome substrates. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 2181-2192.	3.6	13
78	The cAMP effector PKA mediates Moody GPCR signaling in <i>Drosophila</i> blood-brain barrier formation and maturation. <i>ELife</i> , 2021, 10, .	6.0	11
79	Isolating Hair Follicle Stem Cells and Epidermal Keratinocytes from Dorsal Mouse Skin. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	9
80	Staying alive: apoptosome feedback inhibition. <i>Nature Cell Biology</i> , 2008, 10, 1387-1388.	10.3	6
81	A Gain-of-Function Germline Mutation in <i>Drosophila</i> ras1 Affects Apoptosis and Cell Fate during Development. <i>PLoS ONE</i> , 2011, 6, e23535.	2.5	6
82	Axin proteolysis by Iduna is required for the regulation of stem cell proliferation and intestinal homeostasis in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2019, 146, .	2.5	6
83	Krebs Cycle Moonlights in Caspase Regulation. <i>Developmental Cell</i> , 2016, 37, 1-2.	7.0	4
84	Past1 Modulates <i>Drosophila</i> Eye Development. <i>PLoS ONE</i> , 2017, 12, e0169639.	2.5	2
85	Developmental apoptosis in health and disease. , 2005, , 49-74.		1