

Hermann Steller

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

11,201
citations

31902

53
h-index

54797

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. | 13.5 | 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. | 3.1 | 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. | 16.1 | 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. | 13.5 | 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. | 3.5 | 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. | 3.1 | 391 |
| 7 | DCP-1, a <i>Drosophila</i> Cell Death Protease Essential for Development. <i>Science</i> , 1997, 275, 536-540. | 6.0 | 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. | 4.6 | 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. | 4.5 | 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. | 4.6 | 263 |
| 11 | The <i>Sept4</i> Septin Locus Is Required for Sperm Terminal Differentiation in Mice. <i>Developmental Cell</i> , 2005, 8, 353-364. | 3.1 | 263 |
| 12 | Apoptosis, Stem Cells, and Tissue Regeneration. <i>Science Signaling</i> , 2010, 3, re8. | 1.6 | 258 |
| 13 | Unfolded protein response in a <i>Drosophila</i> model for retinal degeneration. <i>EMBO Journal</i> , 2007, 26, 242-252. | 3.5 | 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. | 13.5 | 244 |
| 15 | Regulation of apoptosis in <i>Drosophila</i> . <i>Cell Death and Differentiation</i> , 2008, 15, 1132-1138. | 5.0 | 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. | 4.6 | 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. | 4.5 | 195 |
| 18 | Disruption of a Behavioral Sequence by Targeted Death of Peptidergic Neurons in <i>Drosophila</i> . <i>Neuron</i> , 1997, 19, 813-823. | 3.8 | 194 |

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|----|--|------|-----------|
| 19 | Regulation of Cell Number by MAPK-Dependent Control of Apoptosis. <i>Developmental Cell</i> , 2002, 2, 159-170. | 3.1 | 187 |
| 20 | The influence of retinal innervation on neurogenesis in the first optic ganglion of drosophila. <i>Neuron</i> , 1991, 6, 83-99. | 3.8 | 183 |
| 21 | Regulation of apoptosis by XIAP ubiquitin-ligase activity. <i>Genes and Development</i> , 2008, 22, 2256-2266. | 2.7 | 171 |
| 22 | The mitochondrial ARTS protein promotes apoptosis through targeting XIAP. <i>EMBO Journal</i> , 2004, 23, 1627-1635. | 3.5 | 166 |
| 23 | Requirement for DCP-1 Caspase During Drosophila Oogenesis. <i>Science</i> , 1998, 279, 230-234. | 6.0 | 164 |
| 24 | Blocking apoptosis prevents blindness in Drosophila retinal degeneration mutants. <i>Nature</i> , 1998, 391, 587-591. | 13.7 | 153 |
| 25 | Death by design: mechanism and control of apoptosis. <i>Trends in Cell Biology</i> , 1999, 9, M49-M52. | 3.6 | 146 |
| 26 | Apoptotic cells can induce non-autonomous apoptosis through the TNF pathway. <i>ELife</i> , 2013, 2, e01004. | 2.8 | 130 |
| 27 | Proteasome Regulation by ADP-Ribosylation. <i>Cell</i> , 2013, 153, 614-627. | 13.5 | 126 |
| 28 | The two Drosophila cytochrome C proteins can function in both respiration and caspase activation. <i>EMBO Journal</i> , 2006, 25, 232-243. | 3.5 | 118 |
| 29 | Activation of the reaper Gene during Ectopic Cell Killing in Drosophila. <i>Developmental Biology</i> , 1996, 180, 213-226. | 0.9 | 112 |
| 30 | Mechanisms and control of programmed cell death in invertebrates. <i>Oncogene</i> , 1998, 17, 3215-3223. | 2.6 | 111 |
| 31 | Kinesin-II Is Required for Axonal Transport of Choline Acetyltransferase in Drosophila. <i>Journal of Cell Biology</i> , 1999, 147, 507-518. | 2.3 | 108 |
| 32 | A Ubiquitin Ligase Complex Regulates Caspase Activation During Sperm Differentiation in Drosophila. <i>PLoS Biology</i> , 2007, 5, e251. | 2.6 | 108 |
| 33 | Spreading the word: non-autonomous effects of apoptosis during development, regeneration and disease. <i>Development (Cambridge)</i> , 2015, 142, 3253-3262. | 1.2 | 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. | 1.1 | 98 |
| 35 | A Conserved F Box Regulatory Complex Controls Proteasome Activity in Drosophila. <i>Cell</i> , 2011, 145, 371-382. | 13.5 | 96 |
| 36 | ER stress protects from retinal degeneration. <i>EMBO Journal</i> , 2009, 28, 1296-1307. | 3.5 | 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. | 0.9 | 93 |
| 38 | Deterin, a New Inhibitor of Apoptosis from <i>Drosophila melanogaster</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 22157-22165. | 1.6 | 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. | 3.7 | 85 |
| 40 | IAP-antagonists exhibit non-redundant modes of action through differential DIAP1 binding. <i>EMBO Journal</i> , 2003, 22, 6642-6652. | 3.5 | 84 |
| 41 | Facing death in the fly: genetic analysis of apoptosis in <i>Drosophila</i> . <i>Trends in Genetics</i> , 1997, 13, 222-226. | 2.9 | 82 |
| 42 | <i>Sept4</i> /ARTS is required for stem cell apoptosis and tumor suppression. <i>Genes and Development</i> , 2010, 24, 2282-2293. | 2.7 | 82 |
| 43 | <i>Sept4</i> ARTS Regulates Stem Cell Apoptosis and Skin Regeneration. <i>Science</i> , 2013, 341, 286-289. | 6.0 | 81 |
| 44 | Coupling of Apoptosis and L/R Patterning Controls Stepwise Organ Looping. <i>Current Biology</i> , 2010, 20, 1773-1778. | 1.8 | 78 |
| 45 | Cytochrome <i>c</i> regulates developmental apoptosis in the <i>Drosophila</i> retina. <i>EMBO Reports</i> , 2006, 7, 933-939. | 2.0 | 73 |
| 46 | Regulation of cell death by the ubiquitin-proteasome system. <i>Current Opinion in Cell Biology</i> , 2009, 21, 878-884. | 2.6 | 71 |
| 47 | Regulation of R7 and R8 differentiation by the spalt genes. <i>Developmental Biology</i> , 2004, 273, 121-133. | 0.9 | 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. | 2.3 | 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. | 0.6 | 64 |
| 50 | <i>Drosophila</i> IAP antagonists form multimeric complexes to promote cell death. <i>Journal of Cell Biology</i> , 2010, 190, 1039-1052. | 2.3 | 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. | 1.4 | 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. | 3.7 | 57 |
| 53 | Distinct Pathways Mediate UV-Induced Apoptosis in <i>Drosophila</i> Embryos. <i>Developmental Cell</i> , 2003, 4, 599-605. | 3.1 | 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. | 13.5 | 52 |

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|----|--|------|-----------|
| 55 | Programmed cell death in <i>Drosophila</i> . <i>Neuron</i> , 1994, 13, 1269-1274. | 3.8 | 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. | 1.2 | 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. | 3.1 | 50 |
| 58 | Pathways regulating apoptosis during patterning and development. <i>Current Opinion in Genetics and Development</i> , 2007, 17, 294-299. | 1.5 | 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. | 5.5 | 45 |
| 60 | A comparison of programmed cell death between species. <i>Genome Biology</i> , 2000, 1, reviews0003.1. | 13.9 | 38 |
| 61 | Topography in the <i>Drosophila</i> visual system. <i>Current Opinion in Neurobiology</i> , 1993, 3, 53-59. | 2.0 | 36 |
| 62 | Regulation of the Proapoptotic ARTS Protein by Ubiquitin-mediated Degradation. <i>Journal of Biological Chemistry</i> , 2005, 280, 25802-25810. | 1.6 | 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. | 3.3 | 35 |
| 64 | The control of apoptosis in <i>Drosophila</i> . <i>Trends in Cell Biology</i> , 1995, 5, 74-78. | 3.6 | 34 |
| 65 | Two-color in vivo imaging of photoreceptor apoptosis and development in <i>Drosophila</i> . <i>Developmental Biology</i> , 2011, 351, 128-134. | 0.9 | 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. | 3.3 | 32 |
| 67 | PSMD5 Inactivation Promotes 26S Proteasome Assembly during Colorectal Tumor Progression. <i>Cancer Research</i> , 2018, 78, 3458-3468. | 0.4 | 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. | 0.9 | 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. | 1.2 | 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. | 3.3 | 22 |
| 71 | The complex of TRIP-Br1 and XIAP ubiquitinates and degrades multiple adenylyl cyclase isoforms. <i>ELife</i> , 2017, 6, . | 2.8 | 18 |
| 72 | <i>Drosophila</i> p53: meeting the Grim Reaper. <i>Nature Cell Biology</i> , 2000, 2, E100-E102. | 4.6 | 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. | 1.2 | 17 |
| 74 | Ferritin Assembly in Enterocytes of <i>Drosophila melanogaster</i> . <i>International Journal of Molecular Sciences</i> , 2016, 17, 27. | 1.8 | 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. | 2.9 | 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. | 0.8 | 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. | 1.6 | 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, . | 2.8 | 11 |
| 79 | Isolating Hair Follicle Stem Cells and Epidermal Keratinocytes from Dorsal Mouse Skin. <i>Journal of Visualized Experiments</i> , 2016, , . | 0.2 | 9 |
| 80 | Staying alive: apoptosome feedback inhibition. <i>Nature Cell Biology</i> , 2008, 10, 1387-1388. | 4.6 | 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. | 1.1 | 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, . | 1.2 | 6 |
| 83 | Krebs Cycle Moonlights in Caspase Regulation. <i>Developmental Cell</i> , 2016, 37, 1-2. | 3.1 | 4 |
| 84 | Past1 Modulates <i>Drosophila</i> Eye Development. <i>PLoS ONE</i> , 2017, 12, e0169639. | 1.1 | 2 |
| 85 | Developmental apoptosis in health and disease. , 2005, , 49-74. | | 1 |