

Michael Otmar Hengartner

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.

135
papers

27,632
citations

64
h-index

147
g-index

147
ext. papers

30,741
ext. citations

15.8
avg, IF

7.22
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 135 | MINA-1 and WAGO-4 are part of regulatory network coordinating germ cell death and RNAi in <i>C. elegans</i> . <i>Cell Death and Differentiation</i> , 2019 , 26, 2157-2178 | 12.7 | 2 |
| 134 | Long-term <i>C. elegans</i> immobilization enables high resolution developmental studies in vivo. <i>Lab on A Chip</i> , 2018 , 18, 1359-1368 | 7.2 | 15 |
| 133 | Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018 , 25, 486-541 | 12.7 | 2160 |
| 132 | Differential regulation of germ line apoptosis and germ cell differentiation by CPEB family members in <i>C. elegans</i> . <i>PLoS ONE</i> , 2017 , 12, e0182270 | 3.7 | 4 |
| 131 | Dimerization of the fungal defense lectin CCL2 is essential for its toxicity against nematodes. <i>Glycobiology</i> , 2017 , 27, 486-500 | 5.8 | 12 |
| 130 | Post-transcriptional control of executioner caspases by RNA-binding proteins. <i>Genes and Development</i> , 2016 , 30, 2213-2225 | 12.6 | 10 |
| 129 | Natural Genetic Variation Differentially Affects the Proteome and Transcriptome in <i>Caenorhabditis elegans</i> . <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 1670-80 | 7.6 | 15 |
| 128 | Loss of Acetylcholine Signaling Reduces Cell Clearance Deficiencies in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2016 , 11, e0149274 | 3.7 | 1 |
| 127 | Natural Genetic Variation Influences Protein Abundances in <i>C. elegans</i> Developmental Signalling Pathways. <i>PLoS ONE</i> , 2016 , 11, e0149418 | 3.7 | 21 |
| 126 | Cooperative target mRNA destabilization and translation inhibition by miR-58 microRNA family in <i>C. elegans</i> . <i>Genome Research</i> , 2015 , 25, 1680-91 | 9.7 | 15 |
| 125 | Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. <i>Cell Death and Differentiation</i> , 2015 , 22, 58-73 | 12.7 | 643 |
| 124 | Disruption of the <i>C. elegans</i> Intestinal Brush Border by the Fungal Lectin CCL2 Phenocopies Dietary Lectin Toxicity in Mammals. <i>PLoS ONE</i> , 2015 , 10, e0129381 | 3.7 | 23 |
| 123 | Apoptotic cell death under hypoxia. <i>Physiology</i> , 2014 , 29, 168-76 | 9.8 | 88 |
| 122 | Methylated glycans as conserved targets of animal and fungal innate defense. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E2787-96 | 11.5 | 55 |
| 121 | DEPDC1/LET-99 participates in an evolutionarily conserved pathway for anti-tubulin drug-induced apoptosis. <i>Nature Cell Biology</i> , 2014 , 16, 812-20 | 23.4 | 33 |
| 120 | A novel mouse model for inhibition of DOHH-mediated hypusine modification reveals a crucial function in embryonic development, proliferation and oncogenic transformation. <i>DMM Disease Models and Mechanisms</i> , 2014 , 7, 963-76 | 4.1 | 38 |
| 119 | Small GTPase CDC-42 promotes apoptotic cell corpse clearance in response to PAT-2 and CED-1 in <i>C. elegans</i> . <i>Cell Death and Differentiation</i> , 2014 , 21, 845-53 | 12.7 | 29 |

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| 118 | Model organisms proteomics--from holobionts to human nutrition. <i>Proteomics</i> , 2013 , 13, 2537-41 | 4.8 | 4 |
| 117 | Modeling the binding specificity of the RNA-binding protein GLD-1 suggests a function of coding region-located sites in translational repression. <i>Rna</i> , 2013 , 19, 1317-26 | 5.8 | 19 |
| 116 | Ribosome synthesis and MAPK activity modulate ionizing radiation-induced germ cell apoptosis in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2013 , 9, e1003943 | 6 | 19 |
| 115 | Mitochondria as a target of environmental toxicants. <i>Toxicological Sciences</i> , 2013 , 134, 1-17 | 4.4 | 331 |
| 114 | A network of HSPG core proteins and HS modifying enzymes regulates netrin-dependent guidance of D-type motor neurons in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2013 , 8, e74908 | 3.7 | 21 |
| 113 | WormQTL--public archive and analysis web portal for natural variation data in <i>Caenorhabditis</i> spp. <i>Nucleic Acids Research</i> , 2013 , 41, D738-43 | 20.1 | 27 |
| 112 | Cleaning up the mess: cell corpse clearance in <i>Caenorhabditis elegans</i> . <i>Current Opinion in Cell Biology</i> , 2012 , 24, 881-8 | 9 | 18 |
| 111 | Differential regulation of DNA damage response activation between somatic and germline cells in <i>Caenorhabditis elegans</i> . <i>Cell Death and Differentiation</i> , 2012 , 19, 1847-55 | 12.7 | 47 |
| 110 | Molecular definitions of cell death subroutines: recommendations of the Nomenclature Committee on Cell Death 2012. <i>Cell Death and Differentiation</i> , 2012 , 19, 107-20 | 12.7 | 1843 |
| 109 | LEM-3 - A LEM domain containing nuclease involved in the DNA damage response in <i>C. elegans</i> . <i>PLoS ONE</i> , 2012 , 7, e24555 | 3.7 | 36 |
| 108 | The HUPO initiative on Model Organism Proteomes, iMOP. <i>Proteomics</i> , 2012 , 12, 340-5 | 4.8 | 8 |
| 107 | Generic comparison of protein inference engines. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, O110.007088 | 9.8 | 18 |
| 106 | RIP-chip-SRM--a new combinatorial large-scale approach identifies a set of translationally regulated bantam/miR-58 targets in <i>C. elegans</i> . <i>Genome Research</i> , 2012 , 22, 1360-71 | 9.7 | 17 |
| 105 | Analysis of <i>C. elegans</i> intestinal gene expression and polyadenylation by fluorescence-activated nuclei sorting and 3Fend-seq. <i>Nucleic Acids Research</i> , 2012 , 40, 6304-18 | 20.1 | 54 |
| 104 | Plasticity of the ß-trefoil protein fold in the recognition and control of invertebrate predators and parasites by a fungal defence system. <i>PLoS Pathogens</i> , 2012 , 8, e1002706 | 7.6 | 54 |
| 103 | PaxDb, a database of protein abundance averages across all three domains of life. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 492-500 | 7.6 | 351 |
| 102 | Predictive Modelling of Stem Cell Differentiation and Apoptosis in <i>C. elegans</i> . <i>Lecture Notes in Computer Science</i> , 2012 , 99-104 | 0.9 | 2 |
| 101 | A dynamic physical model of cell migration, differentiation and apoptosis in <i>Caenorhabditis elegans</i> . <i>Advances in Experimental Medicine and Biology</i> , 2012 , 736, 211-33 | 3.6 | 5 |

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|-----|---|------|-----|
| 100 | Functional identification of optimized RNAi triggers using a massively parallel sensor assay. <i>Molecular Cell</i> , 2011 , 41, 733-46 | 17.6 | 166 |
| 99 | A conserved role for SNX9-family members in the regulation of phagosome maturation during engulfment of apoptotic cells. <i>PLoS ONE</i> , 2011 , 6, e18325 | 3.7 | 23 |
| 98 | A lectin-mediated resistance of higher fungi against predators and parasites. <i>Molecular Ecology</i> , 2011 , 20, 3056-70 | 5.7 | 67 |
| 97 | Loss of the RhoGAP SRGP-1 promotes the clearance of dead and injured cells in <i>Caenorhabditis elegans</i> . <i>Nature Cell Biology</i> , 2011 , 13, 79-86 | 23.4 | 45 |
| 96 | mProphet: automated data processing and statistical validation for large-scale SRM experiments. <i>Nature Methods</i> , 2011 , 8, 430-5 | 21.6 | 357 |
| 95 | The future of model organisms in human disease research. <i>Nature Reviews Genetics</i> , 2011 , 12, 575-82 | 30.1 | 49 |
| 94 | NER and HR pathways act sequentially to promote UV-C-induced germ cell apoptosis in <i>Caenorhabditis elegans</i> . <i>Cell Death and Differentiation</i> , 2011 , 18, 897-906 | 12.7 | 34 |
| 93 | Nematotoxicity of <i>Marasmius oreades</i> agglutinin (MOA) depends on glycolipid binding and cysteine protease activity. <i>Journal of Biological Chemistry</i> , 2011 , 286, 30337-30343 | 5.4 | 36 |
| 92 | The phosphoinositide phosphatase MTM-1 regulates apoptotic cell corpse clearance through CED-5-CED-12 in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2011 , 138, 2003-14 | 6.6 | 31 |
| 91 | Microtubule-associated protein 1 light chain 3 alpha (LC3)-associated phagocytosis is required for the efficient clearance of dead cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 17396-401 | 11.5 | 469 |
| 90 | HIF-1 antagonizes p53-mediated apoptosis through a secreted neuronal tyrosinase. <i>Nature</i> , 2010 , 465, 577-83 | 50.4 | 149 |
| 89 | Alteration of the nuclear pore complex in Ca(2+)-mediated cell death. <i>Cell Death and Differentiation</i> , 2010 , 17, 119-33 | 12.7 | 34 |
| 88 | A quantitative targeted proteomics approach to validate predicted microRNA targets in <i>C. elegans</i> . <i>Nature Methods</i> , 2010 , 7, 837-42 | 21.6 | 71 |
| 87 | ccz-1 mediates the digestion of apoptotic corpses in <i>C. elegans</i> . <i>Journal of Cell Science</i> , 2010 , 123, 2001-5.3 | 5.3 | 27 |
| 86 | <i>Caenorhabditis elegans</i> N-glycan core beta-galactoside confers sensitivity towards nematotoxic fungal galectin CGL2. <i>PLoS Pathogens</i> , 2010 , 6, e1000717 | 7.6 | 74 |
| 85 | The Wnt pathway controls cell death engulfment, spindle orientation, and migration through CED-10/Rac. <i>PLoS Biology</i> , 2010 , 8, e1000297 | 9.7 | 66 |
| 84 | Nuclear pore complex during neuronal degeneration. <i>Nucleus</i> , 2010 , 1, 136-138 | 3.9 | 4 |
| 83 | Biotoxicity assays for fruiting body lectins and other cytoplasmic proteins. <i>Methods in Enzymology</i> , 2010 , 480, 141-50 | 1.7 | 18 |

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|----|---|------|------|
| 82 | Deficiency of FANCD2-associated nuclease KIAA1018/FAN1 sensitizes cells to interstrand crosslinking agents. <i>Cell</i> , 2010 , 142, 77-88 | 56.2 | 220 |
| 81 | A worm rich in protein: Quantitative, differential, and global proteomics in <i>Caenorhabditis elegans</i> . <i>Journal of Proteomics</i> , 2010 , 73, 2186-97 | 3.9 | 13 |
| 80 | Shotgun proteomics data from multiple organisms reveals remarkable quantitative conservation of the eukaryotic core proteome. <i>Proteomics</i> , 2010 , 10, 1297-306 | 4.8 | 51 |
| 79 | Cell Death in <i>C. elegans</i> 2009 , | | 1 |
| 78 | Protection of <i>C. elegans</i> from anoxia by HYL-2 ceramide synthase. <i>Science</i> , 2009 , 324, 381-4 | 33.3 | 127 |
| 77 | Comparative analysis reveals conserved protein phosphorylation networks implicated in multiple diseases. <i>Science Signaling</i> , 2009 , 2, ra39 | 8.8 | 152 |
| 76 | Molecular basis for galactosylation of core fucose residues in invertebrates: identification of <i>caenorhabditis elegans</i> N-glycan core alpha1,6-fucoside beta1,4-galactosyltransferase GALT-1 as a member of a novel glycosyltransferase family. <i>Journal of Biological Chemistry</i> , 2009 , 284, 36223-36233 | 5.4 | 42 |
| 75 | Classification of cell death: recommendations of the Nomenclature Committee on Cell Death 2009. <i>Cell Death and Differentiation</i> , 2009 , 16, 3-11 | 12.7 | 2114 |
| 74 | Guidelines for the use and interpretation of assays for monitoring cell death in higher eukaryotes. <i>Cell Death and Differentiation</i> , 2009 , 16, 1093-107 | 12.7 | 533 |
| 73 | Protein identification false discovery rates for very large proteomics data sets generated by tandem mass spectrometry. <i>Molecular and Cellular Proteomics</i> , 2009 , 8, 2405-17 | 7.6 | 250 |
| 72 | Comparative functional analysis of the <i>Caenorhabditis elegans</i> and <i>Drosophila melanogaster</i> proteomes. <i>PLoS Biology</i> , 2009 , 7, e48 | 9.7 | 179 |
| 71 | No death without life: vital functions of apoptotic effectors. <i>Cell Death and Differentiation</i> , 2008 , 15, 1113-23 | 12.7 | 198 |
| 70 | A pathway for phagosome maturation during engulfment of apoptotic cells. <i>Nature Cell Biology</i> , 2008 , 10, 556-66 | 23.4 | 200 |
| 69 | Epigenetic regulation of histone H3 serine 10 phosphorylation status by HCF-1 proteins in <i>C. elegans</i> and mammalian cells. <i>PLoS ONE</i> , 2007 , 2, e1213 | 3.7 | 19 |
| 68 | Identification of two signaling submodules within the Crkl/ELMO/Dock180 pathway regulating engulfment of apoptotic cells. <i>Cell Death and Differentiation</i> , 2007 , 14, 963-72 | 12.7 | 45 |
| 67 | The nucleotide excision repair pathway is required for UV-C-induced apoptosis in <i>Caenorhabditis elegans</i> . <i>Cell Death and Differentiation</i> , 2007 , 14, 1129-38 | 12.7 | 85 |
| 66 | Regulation of nicotinic receptor trafficking by the transmembrane Golgi protein UNC-50. <i>EMBO Journal</i> , 2007 , 26, 4313-23 | 13 | 55 |
| 65 | Aminophospholipid translocase TAT-1 promotes phosphatidylserine exposure during <i>C. elegans</i> apoptosis. <i>Current Biology</i> , 2007 , 17, 994-9 | 6.3 | 64 |

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|----|--|------|-----|
| 64 | Establishing a blueprint for CED-3-dependent killing through identification of multiple substrates for this protease. <i>Journal of Biological Chemistry</i> , 2007 , 282, 15011-21 | 5.4 | 29 |
| 63 | Nonapoptotic role for Apaf-1 in the DNA damage checkpoint. <i>Molecular Cell</i> , 2007 , 28, 624-37 | 17.6 | 101 |
| 62 | URI-1 is required for DNA stability in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2006 , 133, 621-9 | 6.6 | 49 |
| 61 | <i>C. elegans</i> GLA-3 is a novel component of the MAP kinase MPK-1 signaling pathway required for germ cell survival. <i>Genes and Development</i> , 2006 , 20, 2279-92 | 12.6 | 47 |
| 60 | Deleted in cancer 1 (DICE1) is an essential protein controlling the topology of the inner mitochondrial membrane in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2006 , 133, 3597-606 | 6.6 | 16 |
| 59 | Sugar antennae for guidance signals: syndecans and glypicans integrate directional cues for navigating neurons. <i>Scientific World Journal, The</i> , 2006 , 6, 1024-36 | 2.2 | 20 |
| 58 | The short coiled-coil domain-containing protein UNC-69 cooperates with UNC-76 to regulate axonal outgrowth and normal presynaptic organization in <i>Caenorhabditis elegans</i> . <i>Journal of Biology</i> , 2006 , 5, 9 | | 25 |
| 57 | Finding function in novel targets: <i>C. elegans</i> as a model organism. <i>Nature Reviews Drug Discovery</i> , 2006 , 5, 387-98 | 64.1 | 664 |
| 56 | Developmental apoptosis in <i>C. elegans</i> : a complex CEDnario. <i>Nature Reviews Molecular Cell Biology</i> , 2006 , 7, 97-108 | 48.7 | 226 |
| 55 | miRNAs and apoptosis: RNAs to die for. <i>Oncogene</i> , 2006 , 25, 6176-87 | 9.2 | 426 |
| 54 | Syndecan regulates cell migration and axon guidance in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2005 , 132, 4621-33 | 6.6 | 91 |
| 53 | Translational repression of <i>C. elegans</i> p53 by GLD-1 regulates DNA damage-induced apoptosis. <i>Cell</i> , 2005 , 120, 357-68 | 56.2 | 182 |
| 52 | Tales of cannibalism, suicide, and murder: Programmed cell death in <i>C. elegans</i> . <i>Current Topics in Developmental Biology</i> , 2005 , 65, 1-45 | 5.3 | 31 |
| 51 | Two pathways converge at CED-10 to mediate actin rearrangement and corpse removal in <i>C. elegans</i> . <i>Nature</i> , 2005 , 434, 93-9 | 50.4 | 213 |
| 50 | A Steric-inhibition model for regulation of nucleotide exchange via the Dock180 family of GEFs. <i>Current Biology</i> , 2005 , 15, 371-7 | 6.3 | 87 |
| 49 | Dock180 and ELMO1 proteins cooperate to promote evolutionarily conserved Rac-dependent cell migration. <i>Journal of Biological Chemistry</i> , 2004 , 279, 6087-97 | 5.4 | 173 |
| 48 | Cell biology. Tickling macrophages, a serious business. <i>Science</i> , 2004 , 304, 1123-4 | 33.3 | 13 |
| 47 | <i>Caenorhabditis elegans</i> ABL-1 antagonizes p53-mediated germline apoptosis after ionizing irradiation. <i>Nature Genetics</i> , 2004 , 36, 906-12 | 36.3 | 66 |

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|----|--|------|-----|
| 46 | Death and more: DNA damage response pathways in the nematode <i>C. elegans</i> . <i>Cell Death and Differentiation</i> , 2004 , 11, 21-8 | 12.7 | 121 |
| 45 | Genome-wide RNAi identifies p53-dependent and -independent regulators of germ cell apoptosis in <i>C. elegans</i> . <i>Cell Death and Differentiation</i> , 2004 , 11, 1198-203 | 12.7 | 89 |
| 44 | PH domain of ELMO functions in trans to regulate Rac activation via Dock180. <i>Nature Structural and Molecular Biology</i> , 2004 , 11, 756-62 | 17.6 | 100 |
| 43 | Phagocytosis of apoptotic cells is regulated by a UNC-73/TRIO-MIG-2/RhoG signaling module and armadillo repeats of CED-12/ELMO. <i>Current Biology</i> , 2004 , 14, 2208-16 | 6.3 | 168 |
| 42 | eor-1 and eor-2 are required for cell-specific apoptotic death in <i>C. elegans</i> . <i>Developmental Biology</i> , 2004 , 274, 125-38 | 3.1 | 24 |
| 41 | Caenorhabditis elegans HUS-1 is a DNA damage checkpoint protein required for genome stability and EGL-1-mediated apoptosis. <i>Current Biology</i> , 2002 , 12, 1908-18 | 6.3 | 216 |
| 40 | Caenorhabditis elegans DNA mismatch repair gene msh-2 is required for microsatellite stability and maintenance of genome integrity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 2158-63 | 11.5 | 54 |
| 39 | The genes pme-1 and pme-2 encode two poly(ADP-ribose) polymerases in Caenorhabditis elegans. <i>Biochemical Journal</i> , 2002 , 368, 263-71 | 3.8 | 21 |
| 38 | The <i>C. elegans</i> LAR-like receptor tyrosine phosphatase PTP-3 and the VAB-1 Eph receptor tyrosine kinase have partly redundant functions in morphogenesis. <i>Development (Cambridge)</i> , 2002 , 129, 2141-53 | 6.6 | 25 |
| 37 | Dynamic expression of a glutamate decarboxylase gene in multiple non-neural tissues during mouse development. <i>BMC Developmental Biology</i> , 2001 , 1, 1 | 3.1 | 36 |
| 36 | Calcium dynamics during fertilization in <i>C. elegans</i> . <i>BMC Developmental Biology</i> , 2001 , 1, 8 | 3.1 | 36 |
| 35 | jkk-1 and mek-1 regulate body movement coordination and response to heavy metals through jnk-1 in Caenorhabditis elegans. <i>EMBO Journal</i> , 2001 , 20, 5114-28 | 13 | 50 |
| 34 | How the worm removes corpses: the nematode <i>C. elegans</i> as a model system to study engulfment. <i>Cell Death and Differentiation</i> , 2001 , 8, 564-8 | 12.7 | 52 |
| 33 | Apoptosis. DNA destroyers. <i>Nature</i> , 2001 , 412, 27, 29 | 50.4 | 56 |
| 32 | Engulfment genes cooperate with ced-3 to promote cell death in Caenorhabditis elegans. <i>Nature</i> , 2001 , 412, 202-6 | 50.4 | 243 |
| 31 | <i>C. elegans</i> RAD-5/CLK-2 defines a new DNA damage checkpoint protein. <i>Current Biology</i> , 2001 , 11, 1934-44 | 13.0 | 130 |
| 30 | Programmed cell death: alive and well in the new millennium. <i>Trends in Cell Biology</i> , 2001 , 11, 526-34 | 18.3 | 540 |
| 29 | Apoptosis: corralling the corpses. <i>Cell</i> , 2001 , 104, 325-8 | 56.2 | 142 |

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|----|---|------|------|
| 28 | CED-12/ELMO, a novel member of the CrkII/Dock180/Rac pathway, is required for phagocytosis and cell migration. <i>Cell</i> , 2001 , 107, 27-41 | 56.2 | 467 |
| 27 | The biochemistry of apoptosis. <i>Nature</i> , 2000 , 407, 770-6 | 50.4 | 5867 |
| 26 | A common set of engulfment genes mediates removal of both apoptotic and necrotic cell corpses in <i>C. elegans</i> . <i>Nature Cell Biology</i> , 2000 , 2, 931-7 | 23.4 | 142 |
| 25 | Identification and characterization of a dimerization domain in CED-6, an adapter protein involved in engulfment of apoptotic cells. <i>Journal of Biological Chemistry</i> , 2000 , 275, 9542-9 | 5.4 | 45 |
| 24 | A conserved checkpoint pathway mediates DNA damage--induced apoptosis and cell cycle arrest in <i>C. elegans</i> . <i>Molecular Cell</i> , 2000 , 5, 435-43 | 17.6 | 416 |
| 23 | The molecular mechanism of programmed cell death in <i>C. elegans</i> . <i>Annals of the New York Academy of Sciences</i> , 1999 , 887, 92-104 | 6.5 | 66 |
| 22 | Human CED-6 encodes a functional homologue of the <i>Caenorhabditis elegans</i> engulfment protein CED-6. <i>Current Biology</i> , 1999 , 9, 1347-50 | 6.3 | 65 |
| 21 | <i>Caenorhabditis elegans</i> inhibitor of apoptosis protein (IAP) homologue BIR-1 plays a conserved role in cytokinesis. <i>Current Biology</i> , 1999 , 9, 292-301 | 6.3 | 208 |
| 20 | Selected elements of herpes simplex virus accessory factor HCF are highly conserved in <i>Caenorhabditis elegans</i> . <i>Molecular and Cellular Biology</i> , 1999 , 19, 909-15 | 4.8 | 19 |
| 19 | Candidate adaptor protein CED-6 promotes the engulfment of apoptotic cells in <i>C. elegans</i> . <i>Cell</i> , 1998 , 93, 961-72 | 56.2 | 179 |
| 18 | <i>Caenorhabditis elegans</i> contains two distinct acid sphingomyelinases. <i>Journal of Biological Chemistry</i> , 1998 , 273, 14374-9 | 5.4 | 26 |
| 17 | Advances in apoptosis research. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 12736-7 | 11.5 | 144 |
| 16 | Genetics of apoptosis. <i>Advances in Pharmacology</i> , 1997 , 41, 35-56 | 5.7 | 5 |
| 15 | Interaction between the <i>C. elegans</i> cell-death regulators CED-9 and CED-4. <i>Nature</i> , 1997 , 385, 653-6 | 50.4 | 274 |
| 14 | Genetic control of programmed cell death and aging in the nematode <i>Caenorhabditis elegans</i> . <i>Experimental Gerontology</i> , 1997 , 32, 363-74 | 4.5 | 22 |
| 13 | Mutations in the alpha1 subunit of an L-type voltage-activated Ca ²⁺ channel cause myotonia in <i>Caenorhabditis elegans</i> . <i>EMBO Journal</i> , 1997 , 16, 6066-76 | 13 | 162 |
| 12 | Apoptosis and the shape of death. <i>Genesis</i> , 1997 , 21, 245-8 | | 12 |
| 11 | <i>C. elegans</i> as a Model system for Germ Cell Death 1997 , 8-18 | | 1 |

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|----|---|------|------|
| 10 | Programmed cell death in invertebrates. <i>Current Opinion in Genetics and Development</i> , 1996 , 6, 34-8 | 4.9 | 86 |
| 9 | Transcriptional regulator of programmed cell death encoded by <i>Caenorhabditis elegans</i> gene <i>ces-2</i> . <i>Nature</i> , 1996 , 382, 545-7 | 50.4 | 147 |
| 8 | Out-of body experiences: cell-free cell death. <i>BioEssays</i> , 1995 , 17, 549-52 | 4.1 | 3 |
| 7 | The ins and outs of programmed cell death during <i>C. elegans</i> development 1995 , 7-10 | | |
| 6 | Activation of <i>C. elegans</i> cell death protein CED-9 by an amino-acid substitution in a domain conserved in Bcl-2. <i>Nature</i> , 1994 , 369, 318-20 | 50.4 | 153 |
| 5 | Programmed cell death. A rich harvest. <i>Current Biology</i> , 1994 , 4, 950-2 | 6.3 | 15 |
| 4 | <i>C. elegans</i> cell survival gene <i>ced-9</i> encodes a functional homolog of the mammalian proto-oncogene <i>bcl-2</i> . <i>Cell</i> , 1994 , 76, 665-76 | 56.2 | 1020 |
| 3 | Programmed cell death in <i>Caenorhabditis elegans</i> . <i>Current Opinion in Genetics and Development</i> , 1994 , 4, 581-6 | 4.9 | 318 |
| 2 | The genetics of programmed cell death in the nematode <i>Caenorhabditis elegans</i> . <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1994 , 59, 377-85 | 3.9 | 146 |
| 1 | <i>Caenorhabditis elegans</i> gene <i>ced-9</i> protects cells from programmed cell death. <i>Nature</i> , 1992 , 356, 494-950.4 | 50.4 | 745 |