# Kevin A Roth

List of Publications by Year
in descending order



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|---|---|---|---|
| 222 papers | 25,708 citations | 12330 69 h-index | 6471 157 g-index |
| 225 all docs | 225 docs citations | 225 times ranked | 31779 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222. | 9.1 | 4,701 |
| 2 | Proapoptotic BAX and BAK: A Requisite Gateway to Mitochondrial Dysfunction and Death. Science, 2001, 292, 727-730. | 12.6 | 3,602 |
| 3 | Massive Cell Death of Immature Hematopoietic Cells and Neurons in Bcl-x-Deficient Mice. Science, 1995, 267, 1506-1510. | 12.6 | 1,106 |
| 4 | Bid-deficient mice are resistant to Fas-induced hepatocellular apoptosis. Nature, 1999, 400, 886-891. | 27.8 | 950 |
| 5 | Apaf1 (CED-4 Homolog) Regulates Programmed Cell Death in Mammalian Development. Cell, 1998, 94, 727-737. | 28.9 | 843 |
| 6 | Acute and chronic stress effects on open field activity in the rat: Implications for a model of depression. Neuroscience and Biobehavioral Reviews, 1981, 5, 247-251. | 6.1 | 769 |
| 7 | Regulated Targeting of BAX to Mitochondria. Journal of Cell Biology, 1998, 143, 207-215. | 5.2 | 587 |
| 8 | Mechanisms of programmed cell death in the developing brain. Trends in Neurosciences, 2000, 23, 291-297. | 8.6 | 407 |
| 9 | In situ immunodetection of activated caspase-3 in apoptotic neurons in the developing nervous system. Cell Death and Differentiation, 1998, 5, 1004-1016. | 11.2 | 365 |
| 10 | Cross talk between cell death and cell cycle progression: BCL-2 regulates NFAT-mediated activation.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 9545-9552. | 7.1 | 327 |
| 11 | The Min (multiple intestinal neoplasia) mutation: its effect on gut epithelial cell differentiation and interaction with a modifier system.. Journal of Cell Biology, 1992, 116, 1517-1526. | 5.2 | 291 |
| 12 | Fat apoptosis through targeted activation of caspase 8: a new mouse model of inducible and reversible lipoatrophy. Nature Medicine, 2005, 11, 797-803. | 30.7 | 280 |
| 13 | Ethanol-Induced Caspase-3 Activation in the in Vivo Developing Mouse Brain. Neurobiology of Disease, 2002, 9, 205-219. | 4.4 | 237 |
| 14 | Murine Î³-herpesvirus 68 causes severe large-vessel arteritis in mice lacking interferon-Î³ responsiveness: A new model for virus-induced vascular disease. Nature Medicine, 1997, 3, 1346-1353. | 30.7 | 230 |
| 15 | Bcl-xL Deamidation Is a Critical Switch in the Regulation of the Response to DNA Damage. Cell, 2002, 111, 51-62. | 28.9 | 220 |
| 16 | Lysosomal enzyme cathepsin D protects against alpha-synuclein aggregation and toxicity. Molecular Brain, 2008, 1, 17. | 2.6 | 212 |
| 17 | Double immunofluorescent staining using two unconjugated primary antisera raised in the same species.. Journal of Histochemistry and Cytochemistry, 1996, 44, 1331-1335. | 2.5 | 208 |
| 18 | Ethanol-induced neuronal apoptosis in vivo requires BAX in the developing mouse brain. Cell Death and Differentiation, 2003, 10, 1148-1155. | 11.2 | 196 |

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| 19 | Neonatal lethality in transgenic mice expressing prion protein with a deletion of residues 105â€“125. EMBO Journal, 2007, 26, 548-558. | 7.8 | 191 |
| 20 | Epinephrine, norepinephrine, dopamine and serotonin: Differential effects of acute and chronic stress on regional brain amines. Brain Research, 1982, 239, 417-424. | 2.2 | 185 |
| 21 | Î³-Secretase activity is dispensable for mesenchyme-to-epithelium transition but required for podocyte and proximal tubule formation in developing mouse kidney. Development (Cambridge), 2003, 130, 5031-5042. | 2.5 | 182 |
| 22 | CHOP Potentially Co-Operates with FOXO3a in Neuronal Cells to Regulate PUMA and BIM Expression in Response to ER Stress. PLoS ONE, 2012, 7, e39586. | 2.5 | 180 |
| 23 | Regulation of mouse brain glycogen synthase kinase-3 by atypical antipsychotics. International Journal of Neuropsychopharmacology, 2007, 10, 7. | 2.1 | 179 |
| 24 | Bcl-2 family regulation of neuronal development and neurodegeneration. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1644, 189-203. | 4.1 | 177 |
| 25 | Stress, behavioral arousal, and open field activityâ€”A reexamination of emotionality in the rat. Neuroscience and Biobehavioral Reviews, 1979, 3, 247-263. | 6.1 | 175 |
| 26 | Use of transgenic mice to map cis-acting elements in the intestinal fatty acid binding protein gene (Fabpi) that control its cell lineage-specific and regional patterns of expression along the duodenal-colonic and crypt-villus axes of the gut epithelium.. Journal of Cell Biology, 1992, 119, 27-44. | 5.2 | 169 |
| 27 | baxDeficiency Prevents the Increased Cell Death of Immature Neurons inbcl-x-Deficient Mice. Journal of Neuroscience, 1997, 17, 3112-3119. | 3.6 | 169 |
| 28 | Caspases, Apoptosis, and Alzheimer Disease: Causation, Correlation, and Confusion. Journal of Neuropathology and Experimental Neurology, 2001, 60, 829-838. | 1.7 | 158 |
| 29 | Bafilomycin A1 Inhibits Chloroquine-Induced Death of Cerebellar Granule Neurons. Molecular Pharmacology, 2006, 69, 1125-1136. | 2.3 | 155 |
| 30 | Apoptosis and brain development. Mental Retardation and Developmental Disabilities Research Reviews, 2001, 7, 261-266. | 3.6 | 148 |
| 31 | Chloroquine-induced autophagic vacuole accumulation and cell death in glioma cells is p53 independent. Neuro-Oncology, 2010, 12, 473-81. | 1.2 | 148 |
| 32 | Rnx deficiency results in congenital central hypoventilation. Nature Genetics, 2000, 24, 287-290. | 21.4 | 147 |
| 33 | Studies of intestinal stem cells using normal, chimeric, and transgenic mice <sup>1</sup>. FASEB Journal, 1992, 6, 3039-3050. | 0.5 | 146 |
| 34 | Immunohistochemical distribution of alpha-neo-endorphin/dynorphin neuronal systems in rat brain: evidence for colocalization.. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 3062-3066. | 7.1 | 142 |
| 35 | In Situ Immunodetection of Neuronal Caspase-3 Activation in Alzheimer Disease. Journal of Neuropathology and Experimental Neurology, 1999, 58, 1020-1026. | 1.7 | 142 |
| 36 | Enx (Hox11L1)-deficient mice develop myenteric neuronal hyperplasia and megacolon. Nature Medicine, 1997, 3, 646-650. | 30.7 | 135 |

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|---|---|---|---|
| 37 | Cellular immune responses are essential for the development of Helicobacter felis-associated gastric pathology. Journal of Immunology, 1999, 163, 1490-7. | 0.8 | 128 |
| 38 | NF1 Deletions in S-100 Protein-Positive and Negative Cells of Sporadic and Neurofibromatosis 1 (NF1)-Associated Plexiform Neurofibromas and Malignant Peripheral Nerve Sheath Tumors. American Journal of Pathology, 2001, 159, 57-61. | 3.8 | 124 |
| 39 | Strain-Dependent Neurodevelopmental Abnormalities in Caspase-3-Deficient Mice. Journal of Neuropathology and Experimental Neurology, 2002, 61, 673-677. | 1.7 | 123 |
| 40 | Immunoreactive dynorphin-(1-8) and corticotropin- releasing factor in subpopulation of hypothalamic neurons. Science, 1983, 219, 189-191. | 12.6 | 120 |
| 41 | DNA microarrays and beyond: completing the journey from tissue to cell. Nature Cell Biology, 2001, 3, E175-E178. | 10.3 | 116 |
| 42 | The autophagy-lysosomal degradation pathway: role in neurodegenerative disease and therapy. Frontiers in Bioscience - Landmark, 2008, 13, 718. | 3.0 | 116 |
| 43 | Distribution of gastrin releasing peptide-bombesin-like immunostaining in rat brain. Brain Research, 1982, 251, 277-282. | 2.2 | 114 |
| 44 | Epistatic and independent functions of Caspase-3 and Bcl-X <sub>L</sub> in developmental programmed cell death. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 466-471. | 7.1 | 113 |
| 45 | Mapping enteroendocrine cell populations in transgenic mice reveals an unexpected degree of complexity in cellular differentiation within the gastrointestinal tract.. Journal of Cell Biology, 1990, 110, 1791-1801. | 5.2 | 112 |
| 46 | Role of caspase-3 in ethanol-induced developmental neurodegeneration. Neurobiology of Disease, 2005, 20, 608-614. | 4.4 | 111 |
| 47 | Polyglutamine disease and neuronal cell death. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 12957-12958. | 7.1 | 109 |
| 48 | Spatial differentiation of the intestinal epithelium: analysis of enteroendocrine cells containing immunoreactive serotonin, secretin, and substance P in normal and transgenic mice.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 6408-6412. | 7.1 | 107 |
| 49 | Combined Tyramide Signal Amplification and Quantum Dots for Sensitive and Photostable Immunofluorescence Detection. Journal of Histochemistry and Cytochemistry, 2003, 51, 981-987. | 2.5 | 107 |
| 50 | Oxidative Stress and Autophagy in the Regulation of Lysosome-Dependent Neuron Death. Antioxidants and Redox Signaling, 2009, 11, 481-496. | 5.4 | 106 |
| 51 | Autophagy, Bafilomycin and Cell Death: The â€œA-B-Csâ€•of Plecomacrolide-Induced Neuroprotection. Autophagy, 2006, 2, 228-230. | 9.1 | 104 |
| 52 | Kainic acid induces early and transient autophagic stress in mouse hippocampus. Neuroscience Letters, 2007, 414, 57-60. | 2.1 | 104 |
| 53 | Intracranial ependymoma long term outcome, patterns of failure. Journal of Neuro-Oncology, 1993, 15, 125-131. | 2.9 | 103 |
| 54 | Acute neonatal glucocorticoid exposure produces selective and rapid cerebellar neural progenitor cell apoptotic death. Cell Death and Differentiation, 2008, 15, 1582-1592. | 11.2 | 102 |

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|---|---|---|---|
| 55 | Role of reactive oxygen species and spinal cord apoptotic genes in the development of neuropathic pain. Pharmacological Research, 2007, 55, 158-166. | 7.1 | 98 |
| 56 | Transgenic mouse models that explore the multistep hypothesis of intestinal neoplasia.. Journal of Cell Biology, 1993, 123, 877-893. | 5.2 | 93 |
| 57 | Bax deletion prevents neuronal loss but not neurological symptoms in a transgenic model of inherited prion disease. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 238-243. | 7.1 | 91 |
| 58 | Rotenone Inhibits Autophagic Flux Prior to Inducing Cell Death. ACS Chemical Neuroscience, 2012, 3, 1063-1072. | 3.5 | 91 |
| 59 | Induction of synthetic lethality in IDH1-mutated gliomas through inhibition of Bcl-xL. Nature Communications, 2017, 8, 1067. | 12.8 | 91 |
| 60 | Amyloid Beta-Induced Neuronal Death is Bax-Dependent but Caspase-Independent. Journal of Neuropathology and Experimental Neurology, 2000, 59, 271-279. | 1.7 | 89 |
| 61 | Cathepsin D Deficiency Induces Persistent Neurodegeneration in the Absence of Bax-Dependent Apoptosis. Journal of Neuroscience, 2007, 27, 2081-2090. | 3.6 | 87 |
| 62 | Autophagy in Brain Tumors: A New Target for Therapeutic Intervention. Brain Pathology, 2012, 22, 89-98. | 4.1 | 87 |
| 63 | Regulation of Neuronal Cell Death and Neurodegeneration by Members of the Bcl-2 Family: Therapeutic Implications. CNS and Neurological Disorders, 2005, 4, 25-39. | 4.3 | 84 |
| 64 | Chloroquine-Induced Neuronal Cell Death Is p53 and Bcl-2 Family-Dependent But Caspase-Independent. Journal of Neuropathology and Experimental Neurology, 2001, 60, 937-945. | 1.7 | 83 |
| 65 | Blockade of glutamate mGlu5 receptors in a rat model of neuropathic pain prevents early over-expression of pro-apoptotic genes and morphological changes in dorsal horn lamina II. Neuropharmacology, 2004, 46, 468-479. | 4.1 | 78 |
| 66 | Transgenic Rescue of ataxia Mice with Neuronal-Specific Expression of Ubiquitin-Specific Protease 14. Journal of Neuroscience, 2006, 26, 11423-11431. | 3.6 | 78 |
| 67 | Lysosome Dysfunction Triggers Atg7-dependent Neural Apoptosis. Journal of Biological Chemistry, 2010, 285, 10497-10507. | 3.4 | 78 |
| 68 | Further studies on a novel animal model of depression: Therapeutic effects of a tricyclic antidepressant. Neuroscience and Biobehavioral Reviews, 1981, 5, 253-258. | 6.1 | 75 |
| 69 | Dual Fluorescent In Situ Hybridization and Immunohistochemical Detection with Tyramide Signal Amplification. Journal of Histochemistry and Cytochemistry, 2000, 48, 1369-1375. | 2.5 | 74 |
| 70 | Hypoxia activates glycogen synthase kinase-3 in mouse brain in vivo: Protection by mood stabilizers and imipramine. Biological Psychiatry, 2005, 57, 278-286. | 1.3 | 73 |
| 71 | Bcl-X<sub>L</sub>â€“Caspase-9 Interactions in the Developing Nervous System: Evidence for Multiple Death Pathways. Journal of Neuroscience, 2001, 21, 169-175. | 3.6 | 72 |
| 72 | Immunoreactive corticotropin releasing factor (CRF) and vasopressin are colocalized in a subpopulation of the immunoreactive vasopressin cells in the paraventricular nucleus of the hypothalamus. Life Sciences, 1982, 31, 1857-1860. | 4.3 | 69 |

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|---|---|---|---|
| 73 | Implementation and utilization of the molecular tumor board to guide precision medicine. Oncotarget, 2017, 8, 57845-57854. | 1.8 | 67 |
| 74 | Hypertrophic Neuropathies and Malignant Peripheral Nerve Sheath Tumors in Transgenic Mice Overexpressing Glial Growth Factor Î²3 in Myelinating Schwann Cells. Journal of Neuroscience, 2003, 23, 7269-7280. | 3.6 | 66 |
| 75 | Expression of SV-40 T antigen in the small intestinal epithelium of transgenic mice results in proliferative changes in the crypt and reentry of villus-associated enterocytes into the cell cycle but has no apparent effect on cellular differentiation programs and does not cause neoplastic transformation. Journal of Cell Biology, 1992, 117, 825-839. | 5.2 | 64 |
| 76 | Effect of diabetes and aging on human sympathetic autonomic ganglia. American Journal of Pathology, 1993, 143, 143-53. | 3.8 | 63 |
| 77 | Identification of gastrin releasing peptide-related substances in guinea pig and rat brain. Biochemical and Biophysical Research Communications, 1983, 112, 528-536. | 2.1 | 62 |
| 78 | Use of transgenic mice to infer the biological properties of small intestinal stem cells and to examine the lineage relationships of their descendants.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 9407-9411. | 7.1 | 62 |
| 79 | Dystrophic Axonal Swellings Develop as a Function of Age and Diabetes in Human Dorsal Root Ganglia. Journal of Neuropathology and Experimental Neurology, 1997, 56, 1028-1043. | 1.7 | 61 |
| 80 | Labeled lines in the retinotectal system: Markers for retinorecipient sublaminae and the retinal ganglion cell subsets that innervate them. Molecular and Cellular Neurosciences, 2006, 33, 296-310. | 2.2 | 61 |
| 81 | BH3-Only Proapoptotic Bcl-2 Family Members Noxa and Puma Mediate Neural Precursor Cell Death. Journal of Neuroscience, 2006, 26, 7257-7264. | 3.6 | 61 |
| 82 | Colocalization of Î±-Neo-endorphin and dynorphin immunoreactivity in hypothalamic neurons. Biochemical and Biophysical Research Communications, 1981, 103, 951-958. | 2.1 | 60 |
| 83 | 4-Hydroxytamoxifen Induces Autophagic Death through K-Ras Degradation. Cancer Research, 2013, 73, 4395-4405. | 0.9 | 60 |
| 84 | Stress induced grooming in the rat â€" An endorphin mediated syndrome. Neuroscience Letters, 1979, 13, 209-212. | 2.1 | 59 |
| 85 | Apoptosis of bcl-x-deficient telencephalic cells in vitro. Journal of Neuroscience, 1996, 16, 1753-1758. | 3.6 | 58 |
| 86 | Lowâ€dose bafilomycin attenuates neuronal cell death associated with autophagyâ€lysosome pathway dysfunction. Journal of Neurochemistry, 2010, 114, 1193-1204. | 3.9 | 57 |
| 87 | Central epinergic inhibition of corticosterone release in rat. Life Sciences, 1981, 28, 2389-2394. | 4.3 | 56 |
| 88 | Acromegaly and Pheochromocytoma: A Multiple Endocrine Syndrome Caused by a Plurihormonal Adrenal Medullary Tumor*. Journal of Clinical Endocrinology and Metabolism, 1986, 63, 1421-1426. | 3.6 | 56 |
| 89 | Selective involvement of BH3-only Bcl-2 family members Bim and Bad in neonatal hypoxiaâ€"ischemia. Brain Research, 2006, 1099, 150-159. | 2.2 | 56 |
| 90 | Inhibition of Mitochondrial Matrix Chaperones and Antiapoptotic Bcl-2 Family Proteins Empower Antitumor Therapeutic Responses. Cancer Research, 2017, 77, 3513-3526. | 0.9 | 56 |

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|---|---|---|---|
| 91 | Molecular Regulation of Acute Ethanol-Induced Neuron Apoptosis. Journal of Neuropathology and Experimental Neurology, 2005, 64, 490-497. | 1.7 | 55 |
| 92 | Simultaneous detection of TDT-mediated dUTP-biotin nick end-labeling (TUNEL)-positive cells and multiple immunohistochemical markers in single tissue sections. BioTechniques, 1995, 19, 800-5. | 1.8 | 54 |
| 93 | Pancreastatin distribution and plasma levels in the pig. Peptides, 1988, 9, 1005-1014. | 2.4 | 53 |
| 94 | Immunohistochemical studies indicate multiple enteroendocrine cell differentiation pathways in the mouse proximal small intestine. Developmental Dynamics, 1994, 201, 63-70. | 1.8 | 53 |
| 95 | Neurotrophin-4 selectively promotes survival of striatal neurons in organotypic slice culture. Brain Research, 1994, 647, 340-344. | 2.2 | 52 |
| 96 | Localization of electrogenic Na/bicarbonate cotransporter NBCe1 variants in rat brain. Neuroscience, 2008, 155, 818-832. | 2.3 | 51 |
| 97 | Neural Precursor Cells Are Protected from Apoptosis Induced by Trophic Factor Withdrawal or Genotoxic Stress by Inhibitors of Glycogen Synthase Kinase 3. Journal of Biological Chemistry, 2007, 282, 22856-22864. | 3.4 | 50 |
| 98 | Cytoplasmic p53 and Activated Bax Regulate p53-dependent, Transcription-independent Neural Precursor Cell Apoptosis. Journal of Histochemistry and Cytochemistry, 2010, 58, 265-275. | 2.5 | 50 |
| 99 | Amphetamine and tranylcypromine in an animal model of depression: Pharmacological specificity of the reversal effect. Neuroscience and Biobehavioral Reviews, 1981, 5, 259-264. | 6.1 | 49 |
| 100 | Temporal and spatial patterns of transgene expression in aging adult mice provide insights about the origins, organization, and differentiation of the intestinal epithelium.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 1034-1038. | 7.1 | 48 |
| 101 | Sexually dimorphic distribution of substance P in specific anterior pituitary cell populations.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 1222-1226. | 7.1 | 48 |
| 102 | Caspase Regulation of Neuronal Progenitor Cell Apoptosis. Developmental Neuroscience, 2000, 22, 116-124. | 2.0 | 48 |
| 103 | Apaf1-dependent programmed cell death is required for inner ear morphogenesis and growth. Development (Cambridge), 2004, 131, 2125-2135. | 2.5 | 47 |
| 104 | Tissue transglutaminase overexpression in the brain potentiates calcium-induced hippocampal damage. Journal of Neurochemistry, 2006, 97, 582-594. | 3.9 | 45 |
| 105 | Expression of wild-type and mutant simian virus 40 large tumor antigens in villus-associated enterocytes of transgenic mice.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 6914-6918. | 7.1 | 43 |
| 106 | N-Terminally Deleted Forms of the Prion Protein Activate Both Bax-Dependent and Bax-Independent Neurotoxic Pathways. Journal of Neuroscience, 2007, 27, 852-859. | 3.6 | 43 |
| 107 | Neural precursor cells possess multiple p53-dependent apoptotic pathways. Cell Death and Differentiation, 2006, 13, 1727-1739. | 11.2 | 42 |
| 108 | Gastrin-releasing peptide-related peptides in a human malignant lung carcinoid tumor. Cancer Research, 1983, 43, 5411-5. | 0.9 | 42 |

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|---|---|---|---|
| 109 | Immunohistochemical localization of dynorphin(1â€“8) in hypothalamic magnocellular neurons: Evidence for absence of proenkephalin. Life Sciences, 1982, 31, 1761-1764. | 4.3 | 40 |
| 110 | Nonopiate active proenkephalinâ€derived peptides are secreted by T helper cells. FASEB Journal, 1989, 3, 2401-2407. | 0.5 | 40 |
| 111 | Epithelial cell differentiation in normal and transgenic mouse intestinal isografts.. Journal of Cell Biology, 1991, 113, 1183-1192. | 5.2 | 40 |
| 112 | Immunocytochemical studies suggest two pathways for enteroendocrine cell differentiation in the colon. American Journal of Physiology - Renal Physiology, 1992, 263, G174-G180. | 3.4 | 39 |
| 113 | Altered Regulation of Phosphatidylinositol 3-kinase Signaling in Cathepsin D-Deficient Brain. Autophagy, 2007, 3, 222-229. | 9.1 | 38 |
| 114 | Neural precursor cell apoptosis and glial tumorigenesis following transplacental ethyl-nitrosourea exposure. Oncogene, 2001, 20, 8281-8286. | 5.9 | 37 |
| 115 | Developing Postmitotic Mammalian NeuronsIn VivoLacking Apaf-1 Undergo Programmed Cell Death by a Caspase-Independent, Nonapoptotic Pathway Involving Autophagy. Journal of Neuroscience, 2008, 28, 1490-1497. | 3.6 | 37 |
| 116 | Transgenic rescue of ataxia mice reveals a male-specific sterility defect. Developmental Biology, 2009, 325, 33-42. | 2.0 | 37 |
| 117 | DNA damage-induced neural precursor cell apoptosis requires p53 and caspase 9 but neither Bax nor caspase 3. Development (Cambridge), 2001, 128, 137-46. | 2.5 | 37 |
| 118 | Substance-P Is Present in a Subset of Thyrotrophs in the Human Pituitary*. Journal of Clinical Endocrinology and Metabolism, 1990, 71, 1089-1095. | 3.6 | 36 |
| 119 | Trophic support promotes survival of bcl-x-deficient telencephalic cells in vitro. Cell Death and Differentiation, 1998, 5, 901-910. | 11.2 | 35 |
| 120 | Effect of streptozotocin-induced diabetes on NGF, P75NTR and TrkA content of prevertebral and paravertebral rat sympathetic ganglia. Brain Research, 2000, 867, 149-156. | 2.2 | 35 |
| 121 | Central elevation of phenylethanolamine N-methyltransferase activity following stress. Brain Research, 1978, 153, 419-422. | 2.2 | 34 |
| 122 | Tail pinch induced stress-arousal facilitates brain stimulation reward. Physiology and Behavior, 1979, 22, 193-194. | 2.1 | 34 |
| 123 | Expression of liver fatty acid-binding protein/human growth hormone fusion genes within the enterocyte and enteroendocrine cell populations of fetal transgenic mice.. Journal of Biological Chemistry, 1991, 266, 5949-5954. | 3.4 | 34 |
| 124 | Neuroaxonal dystrophy in aging human sympathetic ganglia. American Journal of Pathology, 1990, 136, 1327-38. | 3.8 | 34 |
| 125 | Field-deployable, rapid diagnostic testing of saliva for SARS-CoV-2. Scientific Reports, 2021, 11, 5448. | 3.3 | 33 |
| 126 | The Proapoptotic BH3-Only, Bcl-2 Family Member, Puma Is Critical for Acute Ethanol-Induced Neuronal Apoptosis. Journal of Neuropathology and Experimental Neurology, 2009, 68, 747-756. | 1.7 | 32 |

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|---|---|---|---|
| 127 | bcl-2/Adenovirus E1B 19-kd Interacting Protein 3 (BNIP3) Regulates Hypoxia-Induced Neural Precursor Cell Death. Journal of Neuropathology and Experimental Neurology, 2009, 68, 1326-1338. | 1.7 | 32 |
| 128 | Caspase regulation of genotoxin-induced neural precursor cell death. Journal of Neuroscience Research, 2003, 74, 435-445. | 2.9 | 31 |
| 129 | Tamoxifen Induces Cytotoxic Autophagy in Glioblastoma. Journal of Neuropathology and Experimental Neurology, 2016, 75, 946-954. | 1.7 | 31 |
| 130 | Isolation and characterization of substance P, substance P 5â€“11, and substance K from two metastatic ileal carcinoids. Regulatory Peptides, 1985, 12, 185-199. | 1.9 | 30 |
| 131 | Enhancement of dopamine metabolism in rat brain frontal cortex: a common effect of chronically administered antipsychotic drugs. Brain Research, 1988, 475, 380-384. | 2.2 | 28 |
| 132 | Cathepsin D Deficiency and NCL/Batten Disease: Thereâ€™s More to Death than Apoptosis. Autophagy, 2007, 3, 474-476. | 9.1 | 28 |
| 133 | Bid regulation of neuronal apoptosis. Developmental Brain Research, 2001, 128, 187-190. | 1.7 | 26 |
| 134 | p53 Transcription-Dependent and -Independent Regulation of Cerebellar Neural Precursor Cell Apoptosis. Journal of Neuropathology and Experimental Neurology, 2007, 66, 66-74. | 1.7 | 26 |
| 135 | Transgenic Mice Overexpressing Neuregulin-1 Model Neurofibroma-Malignant Peripheral Nerve Sheath Tumor Progression and Implicate Specific Chromosomal Copy Number Variations in Tumorigenesis. American Journal of Pathology, 2013, 182, 646-667. | 3.8 | 26 |
| 136 | Bcl-2 family and the central nervous system: from rheostat to real complex. Cell Death and Differentiation, 2006, 13, 1299-1304. | 11.2 | 25 |
| 137 | Gastrin-releasing peptide, a mammalian analog of bombesin, is present in human neuroendocrine lung tumors. American Journal of Pathology, 1984, 117, 195-200. | 3.8 | 25 |
| 138 | Effects of chronic experimental streptozotocin-induced diabetes on the noradrenergic and peptidergic innervation of the rat alimentary tract. Brain Research, 1988, 458, 353-360. | 2.2 | 24 |
| 139 | p53 deficiency fails to prevent increased programmed cell death in the Bcl-XL-deficient nervous system. Cell Death and Differentiation, 2002, 9, 1063-1068. | 11.2 | 24 |
| 140 | Molar tooth development in caspase-3 deficient mice. International Journal of Developmental Biology, 2006, 50, 491-7. | 0.6 | 24 |
| 141 | Differential activation of câ€fos and caspaseâ€3 in hippocampal neuron subpopulations following neonatal hypoxiaâ€ischemia. Journal of Neuroscience Research, 2008, 86, 1115-1124. | 2.9 | 24 |
| 142 | Involvement of subtype 1 metabotropic glutamate receptors in apoptosis and caspase-7 over-expression in spinal cord of neuropathic rats. Pharmacological Research, 2008, 57, 223-233. | 7.1 | 24 |
| 143 | Combinatorial Therapy With Tamoxifen and Trifluoperazine Effectively Inhibits Malignant Peripheral Nerve Sheath Tumor Growth by Targeting Complementary Signaling Cascades. Journal of Neuropathology and Experimental Neurology, 2014, 73, 1078-1090. | 1.7 | 24 |
| 144 | Expression of liver fatty acid-binding protein/human growth hormone fusion genes within the enterocyte and enteroendocrine cell populations of fetal transgenic mice. Journal of Biological Chemistry, 1991, 266, 5949-54. | 3.4 | 24 |

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|---|---|---|---|
| 145 | Differential susceptibility of prevertebral and paravertebral sympathetic ganglia to experimental injury. Brain Research, 1988, 460, 214-226. | 2.2 | 23 |
| 146 | Temporal differentiation and migration of substance P, serotonin, and secretin immunoreactive enteroendocrine cells in the mouse proximal small intestine. Developmental Dynamics, 1992, 194, 303-310. | 1.8 | 23 |
| 147 | Loss of BH3-only Protein Bim Inhibits Apoptosis of Hemopoietic Cells in the Fetal Liver and Male Germ Cells but Not Neuronal Cells in Bcl-x-deficient Mice. Journal of Histochemistry and Cytochemistry, 2008, 56, 921-927. | 2.5 | 23 |
| 148 | Gastrin-releasing Peptide Immunoreactivity in Intestinal Carcinoids. American Journal of Clinical Pathology, 1984, 82, 428-431. | 0.7 | 21 |
| 149 | Neuregulin-1 overexpression and Trp53 haploinsufficiency cooperatively promote de novo malignant peripheral nerve sheath tumor pathogenesis. Acta Neuropathologica, 2014, 127, 573-591. | 7.7 | 19 |
| 150 | Usp9X Regulates Cell Death in Malignant Peripheral Nerve Sheath Tumors. Scientific Reports, 2018, 8, 17390. | 3.3 | 19 |
| 151 | Appetitive determinants of self-stimulation. Behavioral Biology, 1978, 23, 500-508. | 2.2 | 18 |
| 152 | Characterization of opioid peptides in human thyroid medullary carcinoma. Cancer, 1987, 59, 1594-1598. | 4.1 | 18 |
| 153 | The neostriatal mosaic: Basis for the changing distribution of neurokinin-1 receptor immunoreactivity during development. Journal of Comparative Neurology, 1996, 376, 463-475. | 1.6 | 18 |
| 154 | A Highly Toxic Cellular Prion Protein Induces a Novel, Nonapoptotic Form of Neuronal Death. American Journal of Pathology, 2010, 176, 2695-2706. | 3.8 | 18 |
| 155 | Simultaneous localization of six antigens in single sections of transgenic mouse intestine using a combination of light and fluorescence microscopy.. Journal of Histochemistry and Cytochemistry, 1992, 40, 1283-1290. | 2.5 | 17 |
| 156 | Aging and energeticsâ€™ â€˜Top 40â€™ future research opportunities 2010-2013. F1000Research, 2014, 3, 219. | 1.6 | 17 |
| 157 | Reduced Behavioral Activity Due to Opiate Blockade: Relations to Stress. International Journal of Neuroscience, 1981, 12, 59-62. | 1.6 | 16 |
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