

Lennart Mucke

List of Publications by Year in descending order

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Version: 2024-02-01

124
papers

37,972
citations

5248

83
h-index

16605

123
g-index

131
all docs

131
docs citations

131
times ranked

32348
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | TAU ablation in excitatory neurons and postnatal TAU knockdown reduce epilepsy, SUDEP, and autism behaviors in a Dravet syndrome model. <i>Science Translational Medicine</i> , 2022, 14, eabm5527. | 5.8 | 17 |
| 2 | Tau: Enabler of diverse brain disorders and target of rapidly evolving therapeutic strategies. <i>Science</i> , 2021, 371, . | 6.0 | 133 |
| 3 | Phenotypic Differences between the Alzheimerâ€™s Disease-Related hAPP-J20 Model and Heterozygous Zbtb20 Knock-Out Mice. <i>ENeuro</i> , 2021, 8, ENEURO.0089-21.2021. | 0.9 | 8 |
| 4 | Effect of Levetiracetam on Cognition in Patients With Alzheimer Disease With and Without Epileptiform Activity. <i>JAMA Neurology</i> , 2021, 78, 1345. | 4.5 | 109 |
| 5 | Tau reduction affects excitatory and inhibitory neurons differently, reduces excitation/inhibition ratios, and counteracts network hypersynchrony. <i>Cell Reports</i> , 2021, 37, 109855. | 2.9 | 42 |
| 6 | Interdependence of neural network dysfunction and microglial alterations in Alzheimerâ€™s disease-related models. <i>Science</i> , 2021, 24, 103245. | 1.9 | 11 |
| 7 | A second X chromosome contributes to resilience in a mouse model of Alzheimerâ€™s disease. <i>Science Translational Medicine</i> , 2020, 12, . | 5.8 | 107 |
| 8 | Behavioral and neural network abnormalities in human APP transgenic mice resemble those of App knock-in mice and are modulated by familial Alzheimerâ€™s disease mutations but not by inhibition of BACE1. <i>Molecular Neurodegeneration</i> , 2020, 15, 53. | 4.4 | 44 |
| 9 | Tau Reduction Prevents Key Features of Autism in Mouse Models. <i>Neuron</i> , 2020, 106, 421-437.e11. | 3.8 | 60 |
| 10 | Long-term potentiation is independent of the C-tail of the GluA1 AMPA receptor subunit. <i>ELife</i> , 2020, 9, . | 2.8 | 25 |
| 11 | Fibrinogen Induces Microglia-Mediated Spine Elimination and Cognitive Impairment in an Alzheimerâ€™s Disease Model. <i>Neuron</i> , 2019, 101, 1099-1108.e6. | 3.8 | 252 |
| 12 | Early neuronal accumulation of DNA double strand breaks in Alzheimerâ€™s disease. <i>Acta Neuropathologica Communications</i> , 2019, 7, 77. | 2.4 | 145 |
| 13 | Nav1.1-Overexpressing Interneuron Transplants Restore Brain Rhythms and Cognition in a Mouse Model of Alzheimerâ€™s Disease. <i>Neuron</i> , 2018, 98, 75-89.e5. | 3.8 | 169 |
| 14 | Istradefylline reduces memory deficits in aging mice with amyloid pathology. <i>Neurobiology of Disease</i> , 2018, 110, 29-36. | 2.1 | 75 |
| 15 | Klotho controls the brainâ€™s immune system interface in the choroid plexus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11388-E11396. | 3.3 | 96 |
| 16 | Fibrin-targeting immunotherapy protects against neuroinflammation and neurodegeneration. <i>Nature Immunology</i> , 2018, 19, 1212-1223. | 7.0 | 149 |
| 17 | The mouse as a model for neuropsychiatric drug development. <i>Current Biology</i> , 2018, 28, R909-R914. | 1.8 | 26 |
| 18 | The Psychiatric Cell Map Initiative: A Convergent Systems Biological Approach to Illuminating Key Molecular Pathways in Neuropsychiatric Disorders. <i>Cell</i> , 2018, 174, 505-520. | 13.5 | 108 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Neuronal levels and sequence of tau modulate the power of brain rhythms. <i>Neurobiology of Disease</i> , 2018, 117, 181-188. | 2.1 | 33 |
| 20 | Phosphorylation of tau at Y18, but not tau-fyn binding, is required for tau to modulate NMDA receptor-dependent excitotoxicity in primary neuronal culture. <i>Molecular Neurodegeneration</i> , 2017, 12, 41. | 4.4 | 65 |
| 21 | The integration site of the APP transgene in the J20 mouse model of Alzheimer's disease. <i>Wellcome Open Research</i> , 2017, 2, 84. | 0.9 | 15 |
| 22 | The integration site of the APP transgene in the J20 mouse model of Alzheimer's disease. <i>Wellcome Open Research</i> , 2017, 2, 84. | 0.9 | 15 |
| 23 | Increasing the Receptor Tyrosine Kinase EphB2 Prevents Amyloid- β -induced Depletion of Cell Surface Glutamate Receptors by a Mechanism That Requires the PDZ-binding Motif of EphB2 and Neuronal Activity. <i>Journal of Biological Chemistry</i> , 2016, 291, 1719-1734. | 1.6 | 27 |
| 24 | Incidence and impact of subclinical epileptiform activity in Alzheimer's disease. <i>Annals of Neurology</i> , 2016, 80, 858-870. | 2.8 | 373 |
| 25 | Network abnormalities and interneuron dysfunction in Alzheimer disease. <i>Nature Reviews Neuroscience</i> , 2016, 17, 777-792. | 4.9 | 685 |
| 26 | Tau Phosphorylation—Much More than a Biomarker. <i>Neuron</i> , 2016, 92, 265-267. | 3.8 | 8 |
| 27 | Expression of A152T human tau causes age-dependent neuronal dysfunction and loss in transgenic mice. <i>EMBO Reports</i> , 2016, 17, 530-551. | 2.0 | 103 |
| 28 | Network dysfunction in α -synuclein transgenic mice and human Lewy body dementia. <i>Annals of Clinical and Translational Neurology</i> , 2015, 2, 1012-1028. | 1.7 | 46 |
| 29 | Life Extension Factor Klotho Prevents Mortality and Enhances Cognition in hAPP Transgenic Mice. <i>Journal of Neuroscience</i> , 2015, 35, 2358-2371. | 1.7 | 157 |
| 30 | Astrocytic adenosine receptor A2A and Gs-coupled signaling regulate memory. <i>Nature Neuroscience</i> , 2015, 18, 423-434. | 7.1 | 221 |
| 31 | Tau post-translational modifications in wild-type and human amyloid precursor protein transgenic mice. <i>Nature Neuroscience</i> , 2015, 18, 1183-1189. | 7.1 | 377 |
| 32 | Tau reduction prevents $A\beta$ -induced axonal transport deficits by blocking activation of GSK3 β . <i>Journal of Cell Biology</i> , 2015, 209, 419-433. | 2.3 | 126 |
| 33 | DNA repair factor BRCA1 depletion occurs in Alzheimer brains and impairs cognitive function in mice. <i>Nature Communications</i> , 2015, 6, 8897. | 5.8 | 143 |
| 34 | Progranulin protects against amyloid β deposition and toxicity in Alzheimer's disease mouse models. <i>Nature Medicine</i> , 2014, 20, 1157-1164. | 15.2 | 195 |
| 35 | Tau reduction prevents disease in a mouse model of τ 40 syndrome. <i>Annals of Neurology</i> , 2014, 76, 443-456. | 2.8 | 117 |
| 36 | Life Extension Factor Klotho Enhances Cognition. <i>Cell Reports</i> , 2014, 7, 1065-1076. | 2.9 | 243 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Tau Reduction Diminishes Spatial Learning and Memory Deficits after Mild Repetitive Traumatic Brain Injury in Mice. PLoS ONE, 2014, 9, e115765. | 1.1 | 78 |
| 38 | Seizures and Epileptiform Activity in the Early Stages of Alzheimer Disease. JAMA Neurology, 2013, 70, 1158. | 4.5 | 566 |
| 39 | Age-appropriate cognition and subtle dopamine-independent motor deficits in aged Tau knockout mice. Neurobiology of Aging, 2013, 34, 1523-1529. | 1.5 | 102 |
| 40 | Physiologic brain activity causes DNA double-strand breaks in neurons, with exacerbation by amyloid- β . Nature Neuroscience, 2013, 16, 613-621. | 7.1 | 397 |
| 41 | Neurotoxicity of Amyloid β -Protein: Synaptic and Network Dysfunction. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a006338-a006338. | 2.9 | 844 |
| 42 | Levetiracetam suppresses neuronal network dysfunction and reverses synaptic and cognitive deficits in an Alzheimer's disease model. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2895-903. | 3.3 | 528 |
| 43 | Alzheimer Mechanisms and Therapeutic Strategies. Cell, 2012, 148, 1204-1222. | 13.5 | 1,548 |
| 44 | Inhibitory Interneuron Deficit Links Altered Network Activity and Cognitive Dysfunction in Alzheimer Model. Cell, 2012, 149, 708-721. | 13.5 | 934 |
| 45 | Human P301L-Mutant Tau Expression in Mouse Entorhinal-Hippocampal Network Causes Tau Aggregation and Presynaptic Pathology but No Cognitive Deficits. PLoS ONE, 2012, 7, e45881. | 1.1 | 111 |
| 46 | Selective targeting of microglia by quantum dots. Journal of Neuroinflammation, 2012, 9, 22. | 3.1 | 64 |
| 47 | The Many Faces of Tau. Neuron, 2011, 70, 410-426. | 3.8 | 734 |
| 48 | Reversing EphB2 depletion rescues cognitive functions in Alzheimer model. Nature, 2011, 469, 47-52. | 13.7 | 371 |
| 49 | Amyloid- β /Fyn-induced Synaptic, Network, and Cognitive Impairments Depend on Tau Levels in Multiple Mouse Models of Alzheimer's Disease. Journal of Neuroscience, 2011, 31, 700-711. | 1.7 | 582 |
| 50 | Ablation of Cellular Prion Protein Does Not Ameliorate Abnormal Neural Network Activity or Cognitive Dysfunction in the J20 Line of Human Amyloid Precursor Protein Transgenic Mice. Journal of Neuroscience, 2011, 31, 10427-10431. | 1.7 | 115 |
| 51 | Tau Reduction Prevents β -Induced Defects in Axonal Transport. Science, 2010, 330, 198-198. | 6.0 | 436 |
| 52 | Synaptic Depression and Aberrant Excitatory Network Activity in Alzheimer's Disease: Two Faces of the Same Coin?. NeuroMolecular Medicine, 2010, 12, 48-55. | 1.8 | 138 |
| 53 | Amyloid- β -induced neuronal dysfunction in Alzheimer's disease: from synapses toward neural networks. Nature Neuroscience, 2010, 13, 812-818. | 7.1 | 1,390 |
| 54 | Many Neuronal and Behavioral Impairments in Transgenic Mouse Models of Alzheimer's Disease Are Independent of Caspase Cleavage of the Amyloid Precursor Protein. Journal of Neuroscience, 2010, 30, 372-381. | 1.7 | 135 |

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|----|---|------|-----------|
| 55 | Phospholipase A2 and arachidonic acid in Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 784-790. | 1.2 | 124 |
| 56 | Transsynaptic Progression of Amyloid- β^2 -Induced Neuronal Dysfunction within the Entorhinal-Hippocampal Network. <i>Neuron</i> , 2010, 68, 428-441. | 3.8 | 279 |
| 57 | Cellular Source of Apolipoprotein E4 Determines Neuronal Susceptibility to Excitotoxic Injury in Transgenic Mice. <i>American Journal of Pathology</i> , 2010, 177, 563-569. | 1.9 | 61 |
| 58 | Quantifying Biomarkers of Cognitive Dysfunction and Neuronal Network Hyperexcitability in Mouse Models of Alzheimer's Disease: Depletion of Calcium-Dependent Proteins and Inhibitory Hippocampal Remodeling. <i>Methods in Molecular Biology</i> , 2010, 670, 245-262. | 0.4 | 67 |
| 59 | Neprilysin Overexpression Inhibits Plaque Formation But Fails to Reduce Pathogenic A β^2 Oligomers and Associated Cognitive Deficits in Human Amyloid Precursor Protein Transgenic Mice. <i>Journal of Neuroscience</i> , 2009, 29, 1977-1986. | 1.7 | 139 |
| 60 | Epilepsy and Cognitive Impairments in Alzheimer Disease. <i>Archives of Neurology</i> , 2009, 66, 435. | 4.9 | 581 |
| 61 | Alzheimer's disease. <i>Nature</i> , 2009, 461, 895-897. | 13.7 | 374 |
| 62 | Collagen VI protects neurons against A β^2 toxicity. <i>Nature Neuroscience</i> , 2009, 12, 119-121. | 7.1 | 129 |
| 63 | Phospholipase A2 reduction ameliorates cognitive deficits in a mouse model of Alzheimer's disease. <i>Nature Neuroscience</i> , 2008, 11, 1311-1318. | 7.1 | 314 |
| 64 | Altered navigational strategy use and visuospatial deficits in hAPP transgenic mice. <i>Neurobiology of Aging</i> , 2008, 29, 253-266. | 1.5 | 46 |
| 65 | Paths of Convergence: Sirtuins in Aging and Neurodegeneration. <i>Neuron</i> , 2008, 58, 10-14. | 3.8 | 164 |
| 66 | Enkephalin Elevations Contribute to Neuronal and Behavioral Impairments in a Transgenic Mouse Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2008, 28, 5007-5017. | 1.7 | 70 |
| 67 | Accelerating Amyloid- β^2 Fibrillization Reduces Oligomer Levels and Functional Deficits in Alzheimer Disease Mouse Models*. <i>Journal of Biological Chemistry</i> , 2007, 282, 23818-23828. | 1.6 | 375 |
| 68 | Reelin Depletion in the Entorhinal Cortex of Human Amyloid Precursor Protein Transgenic Mice and Humans with Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2007, 27, 2727-2733. | 1.7 | 160 |
| 69 | Aberrant Excitatory Neuronal Activity and Compensatory Remodeling of Inhibitory Hippocampal Circuits in Mouse Models of Alzheimer's Disease. <i>Neuron</i> , 2007, 55, 697-711. | 3.8 | 1,371 |
| 70 | Reducing Endogenous Tau Ameliorates Amyloid β -Induced Deficits in an Alzheimer's Disease Mouse Model. <i>Science</i> , 2007, 316, 750-754. | 6.0 | 1,684 |
| 71 | 100 Years and Counting: Prospects for Defeating Alzheimer's Disease. <i>Science</i> , 2006, 314, 781-784. | 6.0 | 505 |
| 72 | Antiamyloidogenic and Neuroprotective Functions of Cathepsin B: Implications for Alzheimer's Disease. <i>Neuron</i> , 2006, 51, 703-714. | 3.8 | 362 |

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|----|---|------|-----------|
| 73 | Deficiency in neuronal TGF- β 2 signaling promotes neurodegeneration and Alzheimer's pathology. <i>Journal of Clinical Investigation</i> , 2006, 116, 3060-3069. | 3.9 | 302 |
| 74 | A network dysfunction perspective on neurodegenerative diseases. <i>Nature</i> , 2006, 443, 768-773. | 13.7 | 566 |
| 75 | PKC α increases endothelin converting enzyme activity and reduces amyloid plaque pathology in transgenic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8215-8220. | 3.3 | 118 |
| 76 | Reduction in Mitochondrial Superoxide Dismutase Modulates Alzheimer's Disease-Like Pathology and Accelerates the Onset of Behavioral Changes in Human Amyloid Precursor Protein Transgenic Mice. <i>Journal of Neuroscience</i> , 2006, 26, 5167-5179. | 1.7 | 225 |
| 77 | SIRT1 Protects against Microglia-dependent Amyloid- β 2 Toxicity through Inhibiting NF- κ B Signaling. <i>Journal of Biological Chemistry</i> , 2005, 280, 40364-40374. | 1.6 | 677 |
| 78 | Vulnerability of Dentate Granule Cells to Disruption of Arc Expression in Human Amyloid Precursor Protein Transgenic Mice. <i>Journal of Neuroscience</i> , 2005, 25, 9686-9693. | 1.7 | 138 |
| 79 | High β -Secretase Activity Elicits Neurodegeneration in Transgenic Mice Despite Reductions in Amyloid- β 2 Levels. <i>Journal of Biological Chemistry</i> , 2005, 280, 32957-32967. | 1.6 | 89 |
| 80 | Fyn Kinase Induces Synaptic and Cognitive Impairments in a Transgenic Mouse Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2005, 25, 9694-9703. | 1.7 | 306 |
| 81 | Neuron-Specific Apolipoprotein E4 Proteolysis Is Associated with Increased Tau Phosphorylation in Brains of Transgenic Mice. <i>Journal of Neuroscience</i> , 2004, 24, 2527-2534. | 1.7 | 342 |
| 82 | Fyn Kinase Modulates Synaptotoxicity, But Not Aberrant Sprouting, in Human Amyloid Precursor Protein Transgenic Mice. <i>Journal of Neuroscience</i> , 2004, 24, 4692-4697. | 1.7 | 156 |
| 83 | Intracellularly generated amyloid- β 2 peptide counteracts the antiapoptotic function of its precursor protein and primes proapoptotic pathways for activation by other insults in neuroblastoma cells. <i>Journal of Neurochemistry</i> , 2004, 91, 1260-1274. | 2.1 | 29 |
| 84 | Aggressive amyloidosis in mice expressing human amyloid peptides with the Arctic mutation. <i>Nature Medicine</i> , 2004, 10, 1190-1192. | 15.2 | 125 |
| 85 | Apolipoprotein E: Diversity of Cellular Origins, Structural and Biophysical Properties, and Effects in Alzheimer's Disease. <i>Journal of Molecular Neuroscience</i> , 2004, 23, 189-204. | 1.1 | 184 |
| 86 | Food for Thought. <i>Neuron</i> , 2004, 43, 596-599. | 3.8 | 2 |
| 87 | Carboxyl-terminal-truncated apolipoprotein E4 causes Alzheimer's disease-like neurodegeneration and behavioral deficits in transgenic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10966-10971. | 3.3 | 306 |
| 88 | Neuronal depletion of calcium-dependent proteins in the dentate gyrus is tightly linked to Alzheimer's disease-related cognitive deficits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9572-9577. | 3.3 | 363 |
| 89 | Inflammation in Neurodegenerative Disease—A Double-Edged Sword. <i>Neuron</i> , 2002, 35, 419-432. | 3.8 | 1,075 |
| 90 | Androgens Protect against Apolipoprotein E4-Induced Cognitive Deficits. <i>Journal of Neuroscience</i> , 2002, 22, 5204-5209. | 1.7 | 171 |

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|-----|--|------|-----------|
| 91 | Modulation of Alzheimer-Like Synaptic and Cholinergic Deficits in Transgenic Mice by Human Apolipoprotein E Depends on Isoform, Aging, and Overexpression of Amyloid β Peptides But Not on Plaque Formation. <i>Journal of Neuroscience</i> , 2002, 22, 10539-10548. | 1.7 | 172 |
| 92 | TGF- β 1 promotes microglial amyloid- β clearance and reduces plaque burden in transgenic mice. <i>Nature Medicine</i> , 2001, 7, 612-618. | 15.2 | 575 |
| 93 | Ibuprofen, inflammation and Alzheimer disease. <i>Nature Medicine</i> , 2000, 6, 973-974. | 15.2 | 54 |
| 94 | Apolipoprotein E and cognitive performance. <i>Nature</i> , 2000, 404, 352-354. | 13.7 | 219 |
| 95 | Hypothalamic "Pituitary" Adrenal Dysfunction in <i>ApoE</i> Mice: Possible Role in Behavioral and Metabolic Alterations. <i>Journal of Neuroscience</i> , 2000, 20, 2064-2071. | 1.7 | 119 |
| 96 | High-Level Neuronal Expression of A β 42 in Wild-Type Human Amyloid Protein Precursor Transgenic Mice: Synaptotoxicity without Plaque Formation. <i>Journal of Neuroscience</i> , 2000, 20, 4050-4058. | 1.7 | 1,759 |
| 97 | Chronic Overproduction of Transforming Growth Factor- β 1 by Astrocytes Promotes Alzheimer's Disease-Like Microvascular Degeneration in Transgenic Mice. <i>American Journal of Pathology</i> , 2000, 156, 139-150. | 1.9 | 226 |
| 98 | Astroglial Expression of Human β 1-Antichymotrypsin Enhances Alzheimer-like Pathology in Amyloid Protein Precursor Transgenic Mice. <i>American Journal of Pathology</i> , 2000, 157, 2003-2010. | 1.9 | 125 |
| 99 | Dopaminergic Loss and Inclusion Body Formation in α -Synuclein Mice: Implications for Neurodegenerative Disorders. <i>Science</i> , 2000, 287, 1265-1269. | 6.0 | 1,691 |
| 100 | Expression of Human Apolipoprotein E3 or E4 in the Brains of <i>ApoE</i> Mice: Isoform-Specific Effects on Neurodegeneration. <i>Journal of Neuroscience</i> , 1999, 19, 4867-4880. | 1.7 | 334 |
| 101 | Genetically-targeted and conditionally-regulated ablation of astroglial cells in the central, enteric and peripheral nervous systems in adult transgenic mice. Published on the World Wide Web on 7 June 1999.1. <i>Brain Research</i> , 1999, 835, 91-95. | 1.1 | 48 |
| 102 | Leukocyte Infiltration, Neuronal Degeneration, and Neurite Outgrowth after Ablation of Scar-Forming, Reactive Astrocytes in Adult Transgenic Mice. <i>Neuron</i> , 1999, 23, 297-308. | 3.8 | 957 |
| 103 | Elimination of the Class A Scavenger Receptor Does Not Affect Amyloid Plaque Formation or Neurodegeneration in Transgenic Mice Expressing Human Amyloid Protein Precursors. <i>American Journal of Pathology</i> , 1999, 155, 1741-1747. | 1.9 | 64 |
| 104 | Novel role of human CD4 molecule identified in neurodegeneration. <i>Nature Medicine</i> , 1998, 4, 441-446. | 15.2 | 26 |
| 105 | Fulminant Jejuno-Ileitis following Ablation of Enteric Glia in Adult Transgenic Mice. <i>Cell</i> , 1998, 93, 189-201. | 13.5 | 530 |
| 106 | Amyloid Protein Precursor Stimulates Excitatory Amino Acid Transport. <i>Journal of Biological Chemistry</i> , 1998, 273, 12548-12554. | 1.6 | 50 |
| 107 | Corticotropin-releasing Factor and Adrenocorticotrophic Hormone as Potential Central Mediators of OB Effects. <i>Journal of Biological Chemistry</i> , 1997, 272, 15057-15060. | 1.6 | 81 |
| 108 | Cellular signaling roles of TGF β , TNF α and β APP in brain injury responses and Alzheimer's disease. <i>Brain Research Reviews</i> , 1997, 23, 47-61. | 9.1 | 244 |

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|-----|---|------|-----------|
| 109 | Astroglial overproduction of TGF- β 1 enhances inflammatory central nervous system disease in transgenic mice. <i>Journal of Neuroimmunology</i> , 1997, 77, 45-50. | 1.1 | 148 |
| 110 | Amyloidogenic role of cytokine TGF- β 1 in transgenic mice and in Alzheimer's disease. <i>Nature</i> , 1997, 389, 603-606. | 13.7 | 408 |
| 111 | Comparison of Neurodegenerative Pathology in Transgenic Mice Overexpressing V717F β -Amyloid Precursor Protein and Alzheimer's Disease. <i>Journal of Neuroscience</i> , 1996, 16, 5795-5811. | 1.7 | 369 |
| 112 | Spatial learning deficit in mice expressing human 751-amino acid β -amyloid precursor protein. <i>NeuroReport</i> , 1996, 7, 2807-2812. | 0.6 | 59 |
| 113 | Central Nervous System Expression of HIV-1 Gp120 Activates the Hypothalamic-Pituitary-Adrenal Axis: Evidence for Involvement of NMDA Receptors and Nitric Oxide Synthase. <i>Virology</i> , 1996, 226, 362-373. | 1.1 | 55 |
| 114 | Prevention of HIV-1 gp120-induced neuronal damage in the central nervous system of transgenic mice by the NMDA receptor antagonist memantine. <i>Brain Research</i> , 1996, 706, 303-307. | 1.1 | 139 |
| 115 | Neurite Outgrowth on Non-permissive Substrates In Vitro is Enhanced by Ectopic Expression of the Neural Adhesion Molecule L1 by Mouse Astrocytes. <i>European Journal of Neuroscience</i> , 1996, 8, 1085-1097. | 1.2 | 40 |
| 116 | β -Secretase Processing of the β -Amyloid Precursor Protein in Transgenic Mice Is Efficient in Neurons but Inefficient in Astrocytes. <i>Journal of Biological Chemistry</i> , 1996, 271, 31407-31411. | 1.6 | 85 |
| 117 | Indicator expression directed by regulatory sequences of the glial fibrillary acidic protein (GFAP) gene: In vivo comparison of distinct GFAP-lacZ transgenes. <i>Glia</i> , 1995, 13, 174-184. | 2.5 | 75 |
| 118 | Alzheimer-type neuropathology in transgenic mice overexpressing V717F β -amyloid precursor protein. <i>Nature</i> , 1995, 373, 523-527. | 13.7 | 2,463 |
| 119 | Levels and Alternative Splicing of Amyloid β Protein Precursor (APP) Transcripts in Brains of APP Transgenic Mice and Humans with Alzheimer's Disease. <i>Journal of Biological Chemistry</i> , 1995, 270, 28257-28267. | 1.6 | 228 |
| 120 | Neuron-specific expression of a hamster prion protein minigene in transgenic mice induces susceptibility to hamster scrapie agent. <i>Neuron</i> , 1995, 15, 1183-1191. | 3.8 | 149 |
| 121 | gp120 and neurotoxicity in vivo. <i>Trends in Pharmacological Sciences</i> , 1995, 16, 122. | 4.0 | 18 |
| 122 | Central nervous system damage produced by expression of the HIV-1 coat protein gp120 in transgenic mice. <i>Nature</i> , 1994, 367, 188-193. | 13.7 | 685 |
| 123 | Astrocytes in infectious and immune-mediated diseases of the central nervous system. <i>FASEB Journal</i> , 1993, 7, 1226-1232. | 0.2 | 198 |
| 124 | Androgen Treatment Reduces Cognitive Deficits in Female apoE4 Transgenic Mice. , 0, , 747-757. | | 0 |