# Michael A Silverman

List of Publications by Year
in descending order



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|---|---|---|---|
| 36 papers | 2,756 citations | 218677 26 h-index | 345221 36 g-index |
| 38 all docs | 38 docs citations | 38 times ranked | 4923 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | An anti-diabetes agent protects the mouse brain from defective insulin signaling caused by Alzheimerâ€™s diseaseâ€“associated Aî² oligomers. Journal of Clinical Investigation, 2012, 122, 1339-1353. | 8.2 | 697 |
| 2 | The Role of Selective Transport in Neuronal Protein Sorting. Neuron, 2000, 26, 465-472. | 8.1 | 241 |
| 3 | Amyloid-Â Peptide Oligomers Disrupt Axonal Transport through an NMDA Receptor-Dependent Mechanism That Is Mediated by Glycogen Synthase Kinase 3Â in Primary Cultured Hippocampal Neurons. Journal of Neuroscience, 2010, 30, 9166-9171. | 3.6 | 187 |
| 4 | Hippocampal plasticity involves extensive gene induction and multiple cellular mechanisms. Journal of Molecular Neuroscience, 1998, 10, 75-98. | 2.3 | 147 |
| 5 | Intraflagellar transport and the generation of dynamic, structurally and functionally diverse cilia. Trends in Cell Biology, 2009, 19, 306-316. | 7.9 | 146 |
| 6 | KIF1A is the primary anterograde motor protein required for the axonal transport of dense-core vesicles in cultured hippocampal neurons. Neuroscience Letters, 2011, 491, 168-173. | 2.1 | 121 |
| 7 | Pharmacological inhibition of O-GlcNAcase (OGA) prevents cognitive decline and amyloid plaque formation in bigenic tau/APP mutant mice. Molecular Neurodegeneration, 2014, 9, 42. | 10.8 | 114 |
| 8 | Activity-dependent release of tissue plasminogen activator from the dendritic spines of hippocampal neurons revealed by live-cell imaging. Journal of Neurobiology, 2006, 66, 564-577. | 3.6 | 102 |
| 9 | Dynactin regulates bidirectional transport of dense-core vesicles in the axon and dendrites of cultured hippocampal neurons. Neuroscience, 2009, 162, 1001-1010. | 2.3 | 81 |
| 10 | Sorting and directed transport of membrane proteins during development of hippocampal neurons in culture. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 7051-7057. | 7.1 | 79 |
| 11 | Conversion of Green Fluorescent Protein into a Toxic, Aggregation-prone Protein by C-terminal Addition of a Short Peptide. Journal of Biological Chemistry, 2006, 281, 1808-1816. | 3.4 | 72 |
| 12 | CPG16, a Novel Protein Serine/Threonine Kinase Downstream of cAMP-dependent Protein Kinase. Journal of Biological Chemistry, 1999, 274, 2631-2636. | 3.4 | 60 |
| 13 | A truncating mutation of Alms1 reduces the number of hypothalamic neuronal cilia in obese mice. Developmental Neurobiology, 2013, 73, 1-13. | 3.0 | 60 |
| 14 | Amyloid-Î² oligomers induce tau-independent disruption of BDNF axonal transport via calcineurin activation in cultured hippocampal neurons. Molecular Biology of the Cell, 2013, 24, 2494-2505. | 2.1 | 57 |
| 15 | Intracellular amyloid Î² oligomers impair organelle transport and induce dendritic spine loss in primary neurons. Acta Neuropathologica Communications, 2015, 3, 51. | 5.2 | 52 |
| 16 | Going Too Far Is the Same as Falling Shortâ€: Kinesin-3 Family Members in Hereditary Spastic Paraplegia. Frontiers in Cellular Neuroscience, 2019, 13, 419. | 3.7 | 52 |
| 17 | Mechanisms of Transport and Exocytosis of Dense-Core Granules Containing Tissue Plasminogen Activator in Developing Hippocampal Neurons. Journal of Neuroscience, 2005, 25, 3095-3106. | 3.6 | 48 |
| 18 | Pharmacological Inhibition of O-GlcNAcase Enhances Autophagy in Brain through an mTOR-Independent Pathway. ACS Chemical Neuroscience, 2018, 9, 1366-1379. | 3.5 | 47 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A catalytic antioxidant for limiting amyloid-beta peptide aggregation and reactive oxygen species generation. Chemical Science, 2019, 10, 1634-1643. | 7.4 | 44 |
| 20 | Activity-dependent secretion of progranulin from synapses. Journal of Cell Science, 2013, 126, 5412-21. | 2.0 | 41 |
| 21 | A cytoplasmic motif targets neuroligin-1 exclusively to dendrites of cultured hippocampal neurons. European Journal of Neuroscience, 2005, 22, 2381-2386. | 2.6 | 37 |
| 22 | A glycine zipper motif mediates the formation of toxic Î²-amyloid oligomers in vitro and in vivo. Molecular Neurodegeneration, 2011, 6, 61. | 10.8 | 37 |
| 23 | Expression of kinesin superfamily genes in cultured hippocampal neurons. Cytoskeleton, 2010, 67, 784-795. | 2.0 | 34 |
| 24 | Dendritic and axonal mechanisms of Ca<sup>2+</sup> elevation impair BDNF transport in AÎ² oligomerâ€“treated hippocampal neurons. Molecular Biology of the Cell, 2015, 26, 1058-1071. | 2.1 | 32 |
| 25 | Transcriptome analysis of distinct mouse strains reveals kinesin light chain-1 splicing as an amyloid-Î² accumulation modifier. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2638-2643. | 7.1 | 31 |
| 26 | In vivo induction of membrane damage by Î²-amyloid peptide oligomers. Acta Neuropathologica Communications, 2018, 6, 131. | 5.2 | 31 |
| 27 | Modulation of insulin signaling rescues BDNF transport defects independent of tau in amyloid-Î² oligomer-treated hippocampal neurons. Neurobiology of Aging, 2015, 36, 1378-1382. | 3.1 | 26 |
| 28 | Mycalolide B dissociates dynactin and abolishes retrograde axonal transport of dense-core vesicles. Molecular Biology of the Cell, 2015, 26, 2664-2672. | 2.1 | 16 |
| 29 | Atlas stumbled: Kinesin light chainâ€1 variant E triggers a vicious cycle of axonal transport disruption and amyloidâ€Î² generation in Alzheimer's disease. BioEssays, 2015, 37, 131-141. | 2.5 | 14 |
| 30 | Intranasal Paclitaxel Alters Alzheimerâ€™s Disease Phenotypic Features in 3xTg-AD Mice. Journal of Alzheimer's Disease, 2021, 83, 379-394. | 2.6 | 9 |
| 31 | GSK3Î² Impairs KIF1A Transport in a Cellular Model of Alzheimerâ€™s Disease but Does Not Regulate Motor Motility at S402. ENeuro, 2020, 7, ENEURO.0176-20.2020. | 1.9 | 9 |
| 32 | The Î² amyloid peptide can act as a modular aggregation domain. Neurobiology of Disease, 2008, 32, 420-425. | 4.4 | 8 |
| 33 | Regulation of Peptidergic Vesicle Mobility by Secretagogues. Traffic, 2002, 3, 801-809. | 2.7 | 7 |
| 34 | Imaging organelle transport in primary hippocampal neurons treated with amyloid-Î² oligomers. Methods in Cell Biology, 2016, 131, 425-451. | 1.1 | 7 |
| 35 | Live Imaging of Dense-core Vesicles in Primary Cultured Hippocampal Neurons. Journal of Visualized Experiments, 2009, , . | 0.3 | 6 |
| 36 | Stochastic Subcellular Organization of Dense-Core Vesicles Revealed by Point Pattern Analysis. Biophysical Journal, 2016, 111, 852-863. | 0.5 | 4 |