# Brian W Howell

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2492458/publications.pdf

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|---|---|---|---|
| 48 papers | 5,609 citations | 159585 30 h-index | 206112 48 g-index |
| 51 all docs | 51 docs citations | 51 times ranked | 4071 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Direct Binding of Reelin to VLDL Receptor and ApoE Receptor 2 Induces Tyrosine Phosphorylation of Disabled-1 and Modulates Tau Phosphorylation. Neuron, 1999, 24, 481-489. | 8.1 | 846 |
| 2 | Neuronal position in the developing brain is regulated by mouse disabled-1. Nature, 1997, 389, 733-737. | 27.8 | 672 |
| 3 | Scrambler and yotari disrupt the disabled gene and produce a reeler -like phenotype in mice. Nature, 1997, 389, 730-733. | 27.8 | 604 |
| 4 | The when and how of Src regulation. Cell, 1993, 73, 1051-1054. | 28.9 | 550 |
| 5 | The Disabled 1 Phosphotyrosine-Binding Domain Binds to the Internalization Signals of Transmembrane Glycoproteins and to Phospholipids. Molecular and Cellular Biology, 1999, 19, 5179-5188. | 2.3 | 366 |
| 6 | Dab1 tyrosine phosphorylation sites relay positional signals during mouse brain development. Current Biology, 2000, 10, 877-885. | 3.9 | 244 |
| 7 | Interaction of Reelin with Amyloid Precursor Protein Promotes Neurite Outgrowth. Journal of Neuroscience, 2009, 29, 7459-7473. | 3.6 | 182 |
| 8 | Receptor Clustering Is Involved in Reelin Signaling. Molecular and Cellular Biology, 2004, 24, 1378-1386. | 2.3 | 179 |
| 9 | Thyroid Hormone Regulates reelin and dab1Expression During Brain Development. Journal of Neuroscience, 1999, 19, 6979-6993. | 3.6 | 150 |
| 10 | DAB1 and Reelin Effects on Amyloid Precursor Protein and ApoE Receptor 2 Trafficking and Processing. Journal of Biological Chemistry, 2006, 281, 35176-35185. | 3.4 | 143 |
| 11 | Reelin and Stk25 Have Opposing Roles in Neuronal Polarization and Dendritic Golgi Deployment. Cell, 2010, 143, 826-836. | 28.9 | 141 |
| 12 | Akt blocks ligand binding and protects against expanded polyglutamine androgen receptor toxicity. Human Molecular Genetics, 2007, 16, 1593-1603. | 2.9 | 137 |
| 13 | Cerebellar abnormalities in the disabled (mdab1-1) mouse. Journal of Comparative Neurology, 1998, 402, 238-251. | 1.6 | 91 |
| 14 | Lipoprotein Receptors. Cell, 1999, 97, 671-674. | 28.9 | 85 |
| 15 | Nckî² Interacts with Tyrosine-Phosphorylated Disabled 1 and Redistributes in Reelin-Stimulated Neurons. Molecular and Cellular Biology, 2003, 23, 7210-7221. | 2.3 | 82 |
| 16 | Interaction between Dab1 and CrkII is promoted by Reelin signaling. Journal of Cell Science, 2004, 117, 4527-4536. | 2.0 | 81 |
| 17 | Genetic Modulation of Tau Phosphorylation in the Mouse. Journal of Neuroscience, 2003, 23, 187-192. | 3.6 | 80 |
| 18 | Cell-Autonomous Inactivation of the Reelin Pathway Impairs Adult Neurogenesis in the Hippocampus. Journal of Neuroscience, 2012, 32, 12051-12065. | 3.6 | 78 |

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|---|---|---|---|
| 19 | Reduction of Crk and CrkL expression blocks reelin-induced dendritogenesis. Journal of Cell Science, 2008, 121, 1869-1875. | 2.0 | 73 |
| 20 | The LDL receptor gene family: signaling functions during development. Current Opinion in Neurobiology, 2001, 11, 74-81. | 4.2 | 72 |
| 21 | RELN Mutations in Autism Spectrum Disorder. Frontiers in Cellular Neuroscience, 2016, 10, 84. | 3.7 | 68 |
| 22 | Alternative Splicing of STY, a Nuclear Dual Specificity Kinase. Journal of Biological Chemistry, 1995, 270, 21524-21531. | 3.4 | 67 |
| 23 | Regulation of endosomal motility and degradation by amyotrophic lateral sclerosis 2/alsin. Molecular Brain, 2009, 2, 23. | 2.6 | 61 |
| 24 | ApoER2/VLDL receptor and Dab1 in the rostral migratory stream function in postnatal neuronal migration independently of Reelin. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8508-8513. | 7.1 | 54 |
| 25 | Genetic Disruption of Protein Kinase STK25 Ameliorates Metabolic Defects in a Diet-Induced Type 2 Diabetes Model. Diabetes, 2015, 64, 2791-2804. | 0.6 | 47 |
| 26 | disabled-1Functions Cell Autonomously during Radial Migration and Cortical Layering of Pyramidal Neurons. Journal of Neuroscience, 2001, 21, 8798-8808. | 3.6 | 46 |
| 27 | Identification of the kinase STK25 as an upstream activator of LATS signaling. Nature Communications, 2019, 10, 1547. | 12.8 | 39 |
| 28 | A genetic interaction between the APP and Dab1 genes influences brain development. Molecular and Cellular Neurosciences, 2008, 37, 178-186. | 2.2 | 35 |
| 29 | CSK negatively regulates nerve growth factor induced neural differentiation and augments AKT kinase activity. Experimental Cell Research, 2005, 307, 1-14. | 2.6 | 33 |
| 30 | Acute inactivation of the serine-threonine kinase Stk25 disrupts neuronal migration. Neural Development, 2013, 8, 21. | 2.4 | 33 |
| 31 | Role of the postnatal radial glial scaffold for the development of the dentate gyrus as revealed by reelin signaling mutant mice. Glia, 2013, 61, 1347-1363. | 4.9 | 28 |
| 32 | Androgens Regulate the Mammalian Homologues of Invertebrate Sex Determination Genes tra-2 and fox-1. Biochemical and Biophysical Research Communications, 2001, 282, 499-506. | 2.1 | 27 |
| 33 | Synaptic structural protein dysfunction leads to altered excitation inhibition ratios in models of autism spectrum disorder. Pharmacological Research, 2019, 139, 207-214. | 7.1 | 25 |
| 34 | Mouse Disabled 1 Regulates the Nuclear Position of Neurons in a Drosophila Eye Model. Molecular and Cellular Biology, 2006, 26, 1510-1517. | 2.3 | 21 |
| 35 | The de novo autism spectrum disorder <scp>RELN</scp> R2290C mutation reduces Reelin secretion and increases protein disulfide isomerase expression. Journal of Neurochemistry, 2017, 142, 89-102. | 3.9 | 21 |
| 36 | Transient Downregulation of Dab1 Protein Levels during Development Leads to Behavioral and Structural Deficits: Relevance for Psychiatric Disorders. Neuropsychopharmacology, 2014, 39, 556-568. | 5.4 | 19 |

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|---|---|---|---|
| 37 | Identification of Stk25 as a Genetic Modifier of Tau Phosphorylation in Dab1-Mutant Mice. PLoS ONE, 2012, 7, e31152. | 2.5 | 15 |
| 38 | Novel <scp>D</scp>isabledâ€1â€expressing neurons identified in adult brain and spinal cord. European Journal of Neuroscience, 2014, 39, 579-592. | 2.6 | 15 |
| 39 | STK25 regulates oxidative capacity and metabolic efficiency in adipose tissue. Journal of Endocrinology, 2018, 238, 187-202. | 2.6 | 15 |
| 40 | Depletion of protein kinase STK25 ameliorates renal lipotoxicity and protects against diabetic kidney disease. JCI Insight, 2020, 5, . | 5.0 | 14 |
| 41 | STK25 Regulates Cardiovascular Disease Progression in a Mouse Model of Hypercholesterolemia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 1723-1737. | 2.4 | 12 |
| 42 | Reelin Can Modulate Migration of Olfactory Ensheathing Cells and Gonadotropin Releasing Hormone Neurons via the Canonical Pathway. Frontiers in Cellular Neuroscience, 2018, 12, 228. | 3.7 | 12 |
| 43 | STK25 and MST3 Have Overlapping Roles to Regulate Rho GTPases during Cortical Development. Journal of Neuroscience, 2021, 41, 8887-8903. | 3.6 | 11 |
| 44 | Antagonizing STK25 Signaling Suppresses the Development of Hepatocellular Carcinoma Through Targeting Metabolic, Inflammatory, and Pro-Oncogenic Pathways. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 405-423. | 4.5 | 10 |
| 45 | Function of non-visual arrestins in signaling and endocytosis of the gastrin-releasing peptide receptor (GRP receptor). Biochemical Pharmacology, 2008, 75, 1170-1185. | 4.4 | 8 |
| 46 | Ethanol Exposure Transiently Elevates but Persistently Inhibits Tyrosine Kinase Activity and Impairs the Growth of the Nascent Apical Dendrite. Molecular Neurobiology, 2019, 56, 5749-5762. | 4.0 | 7 |
| 47 | GCKIII (Germinal Center Kinase III) Kinases STK24 and STK25 (Serine/Threonine Kinase 24 and 25) Inhibit Cavernoma Development. Stroke, 2022, 53, 976-986. | 2.0 | 6 |
| 48 | Maternal Ethanol Exposure Acutely Elevates Src Family Kinase Activity in the Fetal Cortex. Molecular Neurobiology, 2021, 58, 5210-5223. | 4.0 | 3 |