

# David D Ginty

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2262084/publications.pdf>

Version: 2024-02-01

53  
papers

9,365  
citations

87401

40  
h-index

175968

55  
g-index

78  
all docs

78  
docs citations

78  
times ranked

10342  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | <i>Drosophila</i> Fezf functions as a transcriptional repressor to direct layer-specific synaptic connectivity in the fly visual system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3  | 14        |
| 2  | Sex-Dependent Reduction in Mechanical Allodynia in the Sural-Sparing Nerve Injury Model in Mice Lacking Merkel Cells. <i>Journal of Neuroscience</i> , 2021, 41, 5595-5619.  | 1.7  | 5         |
| 3  | The mechanosensory neurons of touch and their mechanisms of activation. <i>Nature Reviews Neuroscience</i> , 2021, 22, 521-537.  | 4.9  | 146       |
| 4  | The cellular and molecular basis of somatosensory neuron development. <i>Neuron</i> , 2021, 109, 3736-3757.  | 3.8  | 45        |
| 5  | Mechanoreceptor synapses in the brainstem shape the central representation of touch. <i>Cell</i> , 2021, 184, 5608-5621.e18.   | 13.5 | 27        |
| 6  | Cortical responses to touch reflect subcortical integration of LTMR signals. <i>Nature</i> , 2021, 600, 680-685.   | 13.7 | 26        |
| 7  | The emergence of transcriptional identity in somatosensory neurons. <i>Nature</i> , 2020, 577, 392-398.  | 13.7 | 288       |
| 8  | Parallel ascending spinal pathways for affective touch and pain. <i>Nature</i> , 2020, 587, 258-263.   | 13.7 | 149       |
| 9  | Meissner corpuscles and their spatially intermingled afferents underlie gentle touch perception. <i>Science</i> , 2020, 368, .   | 6.0  | 95        |
| 10 | Targeting Peripheral Somatosensory Neurons to Improve Tactile-Related Phenotypes in ASD Models. <i>Cell</i> , 2019, 178, 867-886.e24.  | 13.5 | 160       |
| 11 | Defining a Spinal Microcircuit that Gates Myelinated Afferent Input: Implications for Tactile Allodynia. <i>Cell Reports</i> , 2019, 28, 526-540.e6.   | 2.9  | 91        |
| 12 | Deep Sequencing of Somatosensory Neurons Reveals Molecular Determinants of Intrinsic Physiological Properties. <i>Neuron</i> , 2019, 103, 598-616.e7.  | 3.8  | 201       |
| 13 | Innervation of thermogenic adipose tissue via a calyntenin-1-S100b axis. <i>Nature</i> , 2019, 569, 229-235.   | 13.7 | 136       |
| 14 | Tiling and somatotopic alignment of mammalian low-threshold mechanoreceptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9168-9177.   | 3.3  | 52        |
| 15 | Multiplexed peroxidase-based electron microscopy labeling enables simultaneous visualization of multiple cell types. <i>Nature Neuroscience</i> , 2019, 22, 828-839.   | 7.1  | 62        |
| 16 | Distinct Modes of Presynaptic Inhibition of Cutaneous Afferents and Their Functions in Behavior. <i>Neuron</i> , 2019, 102, 420-434.e8.  | 3.8  | 54        |
| 17 | Multivesicular bodies mediate long-range retrograde NGF-TrkA signaling. <i>ELife</i> , 2018, 7, .  | 2.8  | 48        |
| 18 | Blood-Brain Barrier Permeability Is Regulated by Lipid Transport-Dependent Suppression of Caveolae-Mediated Transcytosis. <i>Neuron</i> , 2017, 94, 581-594.e5.  | 3.8  | 401       |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Active Touch and Self-Motion Encoding by Merkel Cell-Associated Afferents. <i>Neuron</i> , 2017, 94, 666-676.e9.   | 3.8  | 109       |
| 20 | Retrogradely Transported TrkA Endosomes Signal Locally within Dendrites to Maintain Sympathetic Neuron Synapses. <i>Cell Reports</i> , 2017, 19, 86-100.           | 2.9  | 29        |
| 21 | The Cellular and Synaptic Architecture of the Mechanosensory Dorsal Horn. <i>Cell</i> , 2017, 168, 295-310.e19.  | 13.5 | 306       |
| 22 | Neuropilin-2/PlexinA3 Receptors Associate with GluA1 and Mediate Sema3F-Dependent Homeostatic Scaling in Cortical Neurons. <i>Neuron</i> , 2017, 96, 1084-1098.e7. | 3.8  | 68        |
| 23 | Time-Resolved Fast Mammalian Behavior Reveals the Complexity of Protective Pain Responses. <i>Cell Reports</i> , 2017, 20, 89-98.                                  | 2.9  | 41        |
| 24 | Peripheral Mechanosensory Neuron Dysfunction Underlies Tactile and Behavioral Deficits in Mouse Models of ASDs. <i>Cell</i> , 2016, 166, 299-313.                  | 13.5 | 297       |
| 25 | Genetic Identification of an Expansive Mechanoreceptor Sensitive to Skin Stroking. <i>Cell</i> , 2015, 163, 1783-1795.   | 13.5 | 142       |
| 26 | Extrinsic and intrinsic signals converge on the Runx1/CBF $\beta$ transcription factor for nonpeptidergic nociceptor maturation. <i>ELife</i> , 2015, 4, e10874.   | 2.8  | 20        |
| 27 | The Cellular and Molecular Basis of Direction Selectivity of A $\beta$ -LTMRs. <i>Cell</i> , 2014, 159, 1640-1651.   | 13.5 | 149       |
| 28 | The gentle touch receptors of mammalian skin. <i>Science</i> , 2014, 346, 950-954.   | 6.0  | 403       |
| 29 | Linx Mediates Interaxonal Interactions and Formation of the Internal Capsule. <i>Neuron</i> , 2014, 83, 93-103.  | 3.8  | 32        |
| 30 | The structure and organization of lanceolate mechanosensory complexes at mouse hair follicles. <i>ELife</i> , 2014, 3, e01901.                                     | 2.8  | 90        |
| 31 | The Sensory Neurons of Touch. <i>Neuron</i> , 2013, 79, 618-639.   | 3.8  | 1,090     |
| 32 | Long-distance retrograde neurotrophic factor signalling in neurons. <i>Nature Reviews Neuroscience</i> , 2013, 14, 177-187.  | 4.9  | 220       |
| 33 | Sexually Dimorphic BDNF Signaling Directs Sensory Innervation of the Mammary Gland. <i>Science</i> , 2012, 338, 1357-1360.   | 6.0  | 67        |
| 34 | Recruitment of Actin Modifiers to TrkA Endosomes Governs Retrograde NGF Signaling and Survival. <i>Cell</i> , 2011, 146, 421-434.                                  | 13.5 | 133       |
| 35 | The Functional Organization of Cutaneous Low-Threshold Mechanosensory Neurons. <i>Cell</i> , 2011, 147, 1615-1627.   | 13.5 | 602       |
| 36 | Long-Distance Control of Synapse Assembly by Target-Derived NGF. <i>Neuron</i> , 2010, 67, 422-434.  | 3.8  | 116       |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | LIG Family Receptor Tyrosine Kinase-Associated Proteins Modulate Growth Factor Signals during Neural Development. <i>Neuron</i> , 2009, 63, 614-627.  | 3.8  | 71        |
| 38 | Molecular Identification of Rapidly Adapting Mechanoreceptors and Their Developmental Dependence on Ret Signaling. <i>Neuron</i> , 2009, 64, 841-856.   | 3.8  | 200       |
| 39 | Serum Response Factor Mediates NGF-Dependent Target Innervation by Embryonic DRG Sensory Neurons. <i>Neuron</i> , 2008, 58, 532-545.  | 3.8  | 116       |
| 40 | A Model for Neuronal Competition During Development. <i>Science</i> , 2008, 320, 369-373.   | 6.0  | 168       |
| 41 | A Hierarchical NGF Signaling Cascade Controls Ret-Dependent and Ret-Independent Events during Development of Nonpeptidergic DRG Neurons. <i>Neuron</i> , 2007, 54, 739-754.                                 | 3.8  | 225       |
| 42 | A Chemical-Genetic Approach to Studying Neurotrophin Signaling. <i>Neuron</i> , 2005, 46, 13-21.  | 3.8  | 213       |
| 43 | Heterogeneous Requirement of NGF for Sympathetic Target Innervation In Vivo. <i>Journal of Neuroscience</i> , 2004, 24, 743-751.  | 1.7  | 204       |
| 44 | A Neurotrophin Signaling Cascade Coordinates Sympathetic Neuron Development through Differential Control of TrkA Trafficking and Retrograde Signaling. <i>Cell</i> , 2004, 118, 243-255.                    | 13.5 | 342       |
| 45 | Evidence in Support of Signaling Endosome-Based Retrograde Survival of Sympathetic Neurons. <i>Neuron</i> , 2003, 39, 57-68.  | 3.8  | 203       |
| 46 | Retrograde neurotrophin signaling: Trk-ing along the axon. <i>Current Opinion in Neurobiology</i> , 2002, 12, 268-274.  | 2.0  | 280       |
| 47 | Induction of a Nerve Growth Factor-Sensitive Kinase that Phosphorylates the DNA-Binding Domain of the Orphan Nuclear Receptor NGFI-B. <i>Journal of Neurochemistry</i> , 2002, 65, 1780-1788.               | 2.1  | 16        |
| 48 | Spatially and Functionally Distinct Roles of the PI3-K Effector Pathway during NGF Signaling in Sympathetic Neurons. <i>Neuron</i> , 2000, 27, 499-512.   | 3.8  | 218       |
| 49 | Characterization of an NGF-Dependent P-TrkA Retrograde-Signaling Complex and Age-Dependent Regulation of TrkA Phosphorylation in Sympathetic Neurons. <i>Journal of Neuroscience</i> , 1999, 19, 8207-8218. | 1.7  | 120       |
| 50 | Neuropilin-2 Is a Receptor for Semaphorin IV Insight into the Structural Basis of Receptor Function and Specificity. <i>Neuron</i> , 1998, 21, 1079-1092.   | 3.8  | 329       |
| 51 | An NGF-TrkA-Mediated Retrograde Signal to Transcription Factor CREB in Sympathetic Neurons. <i>Science</i> , 1997, 277, 1097-1100.  | 6.0  | 400       |
| 52 | Calcium regulation of gene expression in neuronal cells. <i>Journal of Neurobiology</i> , 1994, 25, 294-303.  | 3.7  | 307       |
| 53 | Defining a Spinal Microcircuit that Gates Myelinated Afferent Input: Implications for Tactile Allodynia. <i>SSRN Electronic Journal</i> , 0, , .  | 0.4  | 2         |