

Ian R Wickersham

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

7,366
citations

186265

28
h-index

265206

42
g-index

52
all docs

52
docs citations

52
times ranked

9210
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Brain-wide mapping of inputs to the mouse lateral posterior (LP/Pulvinar) thalamus—anterior cingulate cortex network. <i>Journal of Comparative Neurology</i> , 2022, 530, 1992-2013. | 1.6 | 12 |
| 2 | Targeting thalamic circuits rescues motor and mood deficits in PD mice. <i>Nature</i> , 2022, 607, 321-329. | 27.8 | 32 |
| 3 | An amygdala circuit that suppresses social engagement. <i>Nature</i> , 2021, 593, 114-118. | 27.8 | 26 |
| 4 | Connectivity characterization of the mouse basolateral amygdalar complex. <i>Nature Communications</i> , 2021, 12, 2859. | 12.8 | 63 |
| 5 | Organization of the inputs and outputs of the mouse superior colliculus. <i>Nature Communications</i> , 2021, 12, 4004. | 12.8 | 61 |
| 6 | Anterior thalamic dysfunction underlies cognitive deficits in a subset of neuropsychiatric disease models. <i>Neuron</i> , 2021, 109, 2590-2603.e13. | 8.1 | 34 |
| 7 | Adaptive alterations in the mesoaccumbal network after peripheral nerve injury. <i>Pain</i> , 2021, 162, 895-906. | 4.2 | 23 |
| 8 | The mouse cortico—basal ganglia—thalamic network. <i>Nature</i> , 2021, 598, 188-194. | 27.8 | 126 |
| 9 | Distinct prefrontal top-down circuits differentially modulate sensorimotor behavior. <i>Nature Communications</i> , 2020, 11, 6007. | 12.8 | 46 |
| 10 | Brainstem neurons that command mammalian locomotor asymmetries. <i>Nature Neuroscience</i> , 2020, 23, 730-740. | 14.8 | 103 |
| 11 | Monosynaptic Tracing Success Depends Critically on Helper Virus Concentrations. <i>Frontiers in Synaptic Neuroscience</i> , 2020, 12, 6. | 2.5 | 44 |
| 12 | Monosynaptic tracing: a step-by-step protocol. <i>Journal of Chemical Neuroanatomy</i> , 2019, 102, 101661. | 2.1 | 29 |
| 13 | Nontoxic, double-deletion-mutant rabies viral vectors for retrograde targeting of projection neurons. <i>Nature Neuroscience</i> , 2018, 21, 638-646. | 14.8 | 171 |
| 14 | Shared and distinct transcriptomic cell types across neocortical areas. <i>Nature</i> , 2018, 563, 72-78. | 27.8 | 1,323 |
| 15 | Dichotomous parvalbumin interneuron populations in dorsolateral and dorsomedial striatum. <i>Journal of Physiology</i> , 2018, 596, 3695-3707. | 2.9 | 24 |
| 16 | The BRAIN Initiative Cell Census Consortium: Lessons Learned toward Generating a Comprehensive Brain Cell Atlas. <i>Neuron</i> , 2017, 96, 542-557. | 8.1 | 235 |
| 17 | Lhx6-positive GABA-releasing neurons of the zona incerta promote sleep. <i>Nature</i> , 2017, 548, 582-587. | 27.8 | 164 |
| 18 | Reversing behavioural abnormalities in mice exposed to maternal inflammation. <i>Nature</i> , 2017, 549, 482-487. | 27.8 | 240 |

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|----|--|------|-----------|
| 19 | Assembly and operation of the autopatcher for automated intracellular neural recording in vivo. Nature Protocols, 2016, 11, 634-654. | 12.0 | 53 |
| 20 | Combining Optogenetics and Electrophysiology to Analyze Projection Neuron Circuits. Cold Spring Harbor Protocols, 2016, 2016, pdb.prot090084. | 0.3 | 23 |
| 21 | Massive normalization of olfactory bulb output in mice with a 'monoclonal nose'. ELife, 2016, 5, . | 6.0 | 37 |
| 22 | Lentiviral Vectors for Retrograde Delivery of Recombinases and Transactivators. Cold Spring Harbor Protocols, 2015, 2015, pdb.prot075879. | 0.3 | 10 |
| 23 | A circuit mechanism for differentiating positive and negative associations. Nature, 2015, 520, 675-678. | 27.8 | 478 |
| 24 | Rabies Viral Vectors for Monosynaptic Tracing and Targeted Transgene Expression in Neurons. Cold Spring Harbor Protocols, 2015, 2015, pdb.prot072389. | 0.3 | 23 |
| 25 | Concentration and Purification of Rabies Viral and Lentiviral Vectors. Cold Spring Harbor Protocols, 2015, 2015, pdb.prot075887. | 0.3 | 6 |
| 26 | The Stimulus Selectivity and Connectivity of Layer Six Principal Cells Reveals Cortical Microcircuits Underlying Visual Processing. Neuron, 2014, 83, 1431-1443. | 8.1 | 165 |
| 27 | Cell type-specific genetic and optogenetic tools reveal hippocampal CA2 circuits. Nature Neuroscience, 2014, 17, 269-279. | 14.8 | 414 |
| 28 | Axonal and subcellular labelling using modified rabies viral vectors. Nature Communications, 2013, 4, 2332. | 12.8 | 44 |
| 29 | Transgenically Targeted Rabies Virus Demonstrates a Major Monosynaptic Projection from Hippocampal Area CA2 to Medial Entorhinal Layer II Neurons. Journal of Neuroscience, 2013, 33, 14889-14898. | 3.6 | 89 |
| 30 | Convergent cortical innervation of striatal projection neurons. Nature Neuroscience, 2013, 16, 665-667. | 14.8 | 137 |
| 31 | Laminarily Orthogonal Excitation of Fast-Spiking and Low-Threshold-Spiking Interneurons in Mouse Motor Cortex. Journal of Neuroscience, 2012, 32, 7021-7033. | 3.6 | 72 |
| 32 | Hierarchical Connectivity and Connection-Specific Dynamics in the Corticospinal-Corticostriatal Microcircuit in Mouse Motor Cortex. Journal of Neuroscience, 2012, 32, 4992-5001. | 3.6 | 168 |
| 33 | New technologies for imaging synaptic partners. Current Opinion in Neurobiology, 2012, 22, 121-127. | 4.2 | 30 |
| 34 | Cortical representations of olfactory input by trans-synaptic tracing. Nature, 2011, 472, 191-196. | 27.8 | 478 |
| 35 | Production of glycoprotein-deleted rabies viruses for monosynaptic tracing and high-level gene expression in neurons. Nature Protocols, 2010, 5, 595-606. | 12.0 | 149 |
| 36 | Transgenic Targeting of Recombinant Rabies Virus Reveals Monosynaptic Connectivity of Specific Neurons. Journal of Neuroscience, 2010, 30, 16509-16513. | 3.6 | 63 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Monosynaptic circuit tracing in vivo through Cre-dependent targeting and complementation of modified rabies virus. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21848-21853. | 7.1 | 332 |
| 38 | Cortical representation of olfactory bulb input revealed by retrograde mono-transsynaptic labeling. Neuroscience Research, 2010, 68, e391. | 1.9 | 0 |
| 39 | Retrograde tracing with recombinant rabies virus reveals correlations between projection targets and dendritic architecture in layer 5 of mouse barrel cortex. Frontiers in Neural Circuits, 2008, 1, 5. | 2.8 | 72 |
| 40 | Monosynaptic Restriction of Transsynaptic Tracing from Single, Genetically Targeted Neurons. Neuron, 2007, 53, 639-647. | 8.1 | 1,080 |
| 41 | Suitability of hCMV for viral gene expression in the brain. Nature Methods, 2007, 4, 379-379. | 19.0 | 3 |
| 42 | Retrograde neuronal tracing with a deletion-mutant rabies virus. Nature Methods, 2007, 4, 47-49. | 19.0 | 606 |
| 43 | Neurophysiology: Electrically evoking sensory experience. Current Biology, 1998, 8, R412-R414. | 3.9 | 11 |