Ian R Wickersham

List of Publications by Year
in descending order

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	Shared and distinct transcriptomic cell types across neocortical areas. Nature, 2018, 563, 72-78.	27.8	1,323
2	Monosynaptic Restriction of Transsynaptic Tracing from Single, Genetically Targeted Neurons. Neuron, 2007, 53, 639-647.	8.1	1,080
3	Retrograde neuronal tracing with a deletion-mutant rabies virus. Nature Methods, 2007, 4, 47-49.	19.0	606
4	Cortical representations of olfactory input by trans-synaptic tracing. Nature, 2011, 472, 191-196.	27.8	478
5	A circuit mechanism for differentiating positive and negative associations. Nature, 2015, 520, 675-678.	27.8	478
6	Cell typeâ€"specific genetic and optogenetic tools reveal hippocampal CA2 circuits. Nature Neuroscience, 2014, 17, 269-279.	14.8	414
7	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
8	Reversing behavioural abnormalities in mice exposed to maternal inflammation. Nature, 2017, 549, 482-487.	27.8	240
9	The BRAIN Initiative Cell Census Consortium: Lessons Learned toward Generating a Comprehensive Brain Cell Atlas. Neuron, 2017, 96, 542-557.	8.1	235
10	Nontoxic, double-deletion-mutant rabies viral vectors for retrograde targeting of projection neurons. Nature Neuroscience, 2018, 21, 638-646.	14.8	171
11	Hierarchical Connectivity and Connection-Specific Dynamics in the Corticospinalâ€"Corticostriatal Microcircuit in Mouse Motor Cortex. Journal of Neuroscience, 2012, 32, 4992-5001.	3.6	168
12	The Stimulus Selectivity and Connectivity of Layer Six Principal Cells Reveals Cortical Microcircuits Underlying Visual Processing. Neuron, 2014, 83, 1431-1443.	8.1	165
13	Lhx6-positive GABA-releasing neurons of the zona incerta promote sleep. Nature, 2017, 548, 582-587.	27.8	164
14	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
15	Convergent cortical innervation of striatal projection neurons. Nature Neuroscience, 2013, 16, 665-667.	14.8	137
16	The mouse corticoâ€"basal gangliaâ€"thalamic network. Nature, 2021, 598, 188-194.	27.8	126
17	Brainstem neurons that command mammalian locomotor asymmetries. Nature Neuroscience, 2020, 23, 730-740.	14.8	103
18	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

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19	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
20	Laminarly Orthogonal Excitation of Fast-Spiking and Low-Threshold-Spiking Interneurons in Mouse Motor Cortex. Journal of Neuroscience, 2012, 32, 7021-7033.	3.6	72
21	Transgenic Targeting of Recombinant Rabies Virus Reveals Monosynaptic Connectivity of Specific Neurons. Journal of Neuroscience, 2010, 30, 16509-16513.	3.6	63
22	Connectivity characterization of the mouse basolateral amygdalar complex. Nature Communications, 2021, 12, 2859.	12.8	63
23	Organization of the inputs and outputs of the mouse superior colliculus. Nature Communications, 2021, 12, 4004.	12.8	61
24	Assembly and operation of the autopatcher for automated intracellular neural recording in vivo. Nature Protocols, 2016, 11, 634-654.	12.0	53
25	Distinct prefrontal top-down circuits differentially modulate sensorimotor behavior. Nature Communications, 2020, 11, 6007.	12.8	46
26	Axonal and subcellular labelling using modified rabies viral vectors. Nature Communications, 2013, 4, 2332.	12.8	44
27	Monosynaptic Tracing Success Depends Critically on Helper Virus Concentrations. Frontiers in Synaptic Neuroscience, 2020, 12, 6.	2.5	44
28	Massive normalization of olfactory bulb output in mice with a 'monoclonal nose'. ELife, 2016, 5, .	6.0	37
29	Anterior thalamic dysfunction underlies cognitive deficits in a subset of neuropsychiatric disease models. Neuron, 2021, 109, 2590-2603.e13.	8.1	34
30	Targeting thalamic circuits rescues motor and mood deficits in PD mice. Nature, 2022, 607, 321-329.	27.8	32
31	New technologies for imaging synaptic partners. Current Opinion in Neurobiology, 2012, 22, 121-127.	4.2	30
32	Monosynaptic tracing: a step-by-step protocol. Journal of Chemical Neuroanatomy, 2019, 102, 101661.	2.1	29
33	An amygdala circuit that suppresses social engagement. Nature, 2021, 593, 114-118.	27.8	26
34	Dichotomous parvalbumin interneuron populations in dorsolateral and dorsomedial striatum. Journal of Physiology, 2018, 596, 3695-3707.	2.9	24
35	Rabies Viral Vectors for Monosynaptic Tracing and Targeted Transgene Expression in Neurons. Cold Spring Harbor Protocols, 2015, 2015, pdb.prot072389.	0.3	23
36	Combining Optogenetics and Electrophysiology to Analyze Projection Neuron Circuits. Cold Spring Harbor Protocols, 2016, 2016, pdb.prot090084.	0.3	23

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37	Adaptive alterations in the mesoaccumbal network after peripheral nerve injury. Pain, 2021, 162, 895-906.	4.2	23
38	Brainâ€wide mapping of inputs to the mouse lateral posterior (LP/Pulvinar) thalamusâ€“anterior cingulate cortex network. Journal of Comparative Neurology, 2022, 530, 1992-2013.	1.6	12
39	Neurophysiology: Electrically evoking sensory experience. Current Biology, 1998, 8, R412-R414.	3.9	11
40	Lentiviral Vectors for Retrograde Delivery of Recombinases and Transactivators. Cold Spring Harbor Protocols, 2015, 2015, pdb.prot075879.	0.3	10
41	Concentration and Purification of Rabies Viral and Lentiviral Vectors. Cold Spring Harbor Protocols, 2015, 2015, pdb.prot075887.	0.3	6
42	Suitability of hCMV for viral gene expression in the brain. Nature Methods, 2007, 4, 379-379.	19.0	3
43	Cortical representation of olfactory bulb input revealed by retrograde mono-transsynaptic labeling. Neuroscience Research, 2010, 68, e391.	1.9	0