

# Liqun Luo

## List of Publications by Citations

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179  
papers

22,807  
citations

75  
h-index

150  
g-index

213  
ext. papers

28,741  
ext. citations

22.3  
avg, IF

7.24  
L-index

#	Paper	IF	Citations
179	A global double-fluorescent Cre reporter mouse. <i>Genesis</i> , <b>2007</b> , 45, 593-605	1.9	2218
178	Mosaic analysis with a repressible cell marker for studies of gene function in neuronal morphogenesis. <i>Neuron</i> , <b>1999</b> , 22, 451-61	13.9	2044
177	Mosaic analysis with a repressible cell marker (MARCM) for Drosophila neural development. <i>Trends in Neurosciences</i> , <b>2001</b> , 24, 251-4	13.3	726
176	Genetic dissection of neural circuits. <i>Neuron</i> , <b>2008</b> , 57, 634-60	13.9	625
175	Circuit Architecture of VTA Dopamine Neurons Revealed by Systematic Input-Output Mapping. <i>Cell</i> , <b>2015</b> , 162, 622-34	56.2	481
174	Comprehensive maps of Drosophila higher olfactory centers: spatially segregated fruit and pheromone representation. <i>Cell</i> , <b>2007</b> , 128, 1187-203	56.2	466
173	Selective attention. Long-range and local circuits for top-down modulation of visual cortex processing. <i>Science</i> , <b>2014</b> , 345, 660-5	33.3	465
172	Mosaic analysis with double markers reveals tumor cell of origin in glioma. <i>Cell</i> , <b>2011</b> , 146, 209-21	56.2	461
171	Mosaic analysis with double markers in mice. <i>Cell</i> , <b>2005</b> , 121, 479-92	56.2	407
170	Differential effects of the Rac GTPase on Purkinje cell axons and dendritic trunks and spines. <i>Nature</i> , <b>1996</b> , 379, 837-40	50.4	401
169	Viral-genetic tracing of the input-output organization of a central noradrenaline circuit. <i>Nature</i> , <b>2015</b> , 524, 88-92	50.4	397
168	Cortical representations of olfactory input by trans-synaptic tracing. <i>Nature</i> , <b>2011</b> , 472, 191-6	50.4	383
167	Intact-Brain Analyses Reveal Distinct Information Carried by SNc Dopamine Subcircuits. <i>Cell</i> , <b>2015</b> , 162, 635-47	56.2	379
166	The Q system: a repressible binary system for transgene expression, lineage tracing, and mosaic analysis. <i>Cell</i> , <b>2010</b> , 141, 536-48	56.2	379
165	Representation of the glomerular olfactory map in the Drosophila brain. <i>Cell</i> , <b>2002</b> , 109, 243-55	56.2	371
164	Target neuron prespecification in the olfactory map of Drosophila. <i>Nature</i> , <b>2001</b> , 414, 204-8	50.4	334
163	Permanent genetic access to transiently active neurons via TRAP: targeted recombination in active populations. <i>Neuron</i> , <b>2013</b> , 78, 773-84	13.9	296

162	Cerebellar granule cells encode the expectation of reward. <i>Nature</i> , <b>2017</b> , 544, 96-100	50.4	262
161	Basal forebrain circuit for sleep-wake control. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 1641-7	25.5	257
160	Deterministic progenitor behavior and unitary production of neurons in the neocortex. <i>Cell</i> , <b>2014</b> , 159, 775-88	56.2	250
159	Monosynaptic Circuit Tracing with Glycoprotein-Deleted Rabies Viruses. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 8979-85	6.6	243
158	Diversity and wiring variability of olfactory local interneurons in the Drosophila antennal lobe. <i>Nature Neuroscience</i> , <b>2010</b> , 13, 439-49	25.5	242
157	Gating of social reward by oxytocin in the ventral tegmental area. <i>Science</i> , <b>2017</b> , 357, 1406-1411	33.3	238
156	Organization of the locus coeruleus-norepinephrine system. <i>Current Biology</i> , <b>2015</b> , 25, R1051-R1056	6.3	230
155	A protocol for dissecting Drosophila melanogaster brains for live imaging or immunostaining. <i>Nature Protocols</i> , <b>2006</b> , 1, 2110-5	18.8	225
154	Cell-autonomous requirement of the USP/EcR-B ecdysone receptor for mushroom body neuronal remodeling in Drosophila. <i>Neuron</i> , <b>2000</b> , 28, 807-18	13.9	223
153	Diversity of transgenic mouse models for selective targeting of midbrain dopamine neurons. <i>Neuron</i> , <b>2015</b> , 85, 429-38	13.9	220
152	Wlds protection distinguishes axon degeneration following injury from naturally occurring developmental pruning. <i>Neuron</i> , <b>2006</b> , 50, 883-95	13.9	206
151	Genetic Dissection of Neural Circuits: A Decade of Progress. <i>Neuron</i> , <b>2018</b> , 98, 256-281	13.9	203
150	Presynaptic partners of dorsal raphe serotonergic and GABAergic neurons. <i>Neuron</i> , <b>2014</b> , 83, 645-62	13.9	203
149	Dissecting local circuits: parvalbumin interneurons underlie broad feedback control of olfactory bulb output. <i>Neuron</i> , <b>2013</b> , 80, 1232-45	13.9	200
148	Wiring and Molecular Features of Prefrontal Ensembles Representing Distinct Experiences. <i>Cell</i> , <b>2016</b> , 165, 1776-1788	56.2	194
147	piggyBac-based mosaic screen identifies a postmitotic function for cohesin in regulating developmental axon pruning. <i>Developmental Cell</i> , <b>2008</b> , 14, 227-38	10.2	187
146	Glia engulf degenerating axons during developmental axon pruning. <i>Current Biology</i> , <b>2004</b> , 14, 678-84	6.3	182
145	Global Representations of Goal-Directed Behavior in Distinct Cell Types of Mouse Neocortex. <i>Neuron</i> , <b>2017</b> , 94, 891-907.e6	13.9	181

144	Developmental origin of wiring specificity in the olfactory system of <i>Drosophila</i> . <i>Development (Cambridge)</i> , <b>2004</b> , 131, 117-30	6.6	181
143	Development of continuous and discrete neural maps. <i>Neuron</i> , <b>2007</b> , 56, 284-300	13.9	171
142	Control of REM sleep by ventral medulla GABAergic neurons. <i>Nature</i> , <b>2015</b> , 526, 435-8	50.4	168
141	Teneurins instruct synaptic partner matching in an olfactory map. <i>Nature</i> , <b>2012</b> , 484, 201-7	50.4	168
140	Existing cardiomyocytes generate cardiomyocytes at a low rate after birth in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 8850-5	11.5	165
139	Identification of preoptic sleep neurons using retrograde labelling and gene profiling. <i>Nature</i> , <b>2017</b> , 545, 477-481	50.4	163
138	Functional circuit architecture underlying parental behaviour. <i>Nature</i> , <b>2018</b> , 556, 326-331	50.4	163
137	Genetic mosaic dissection of <i>Lis1</i> and <i>Ndel1</i> in neuronal migration. <i>Neuron</i> , <b>2010</b> , 68, 695-709	13.9	157
136	A Brainstem-Spinal Cord Inhibitory Circuit for Mechanical Pain Modulation by GABA and Enkephalins. <i>Neuron</i> , <b>2017</b> , 93, 822-839.e6	13.9	152
135	Site-specific integrase-mediated transgenesis in mice via pronuclear injection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 7902-7	11.5	152
134	Classifying <i>Drosophila</i> Olfactory Projection Neuron Subtypes by Single-Cell RNA Sequencing. <i>Cell</i> , <b>2017</b> , 171, 1206-1220.e22	56.2	150
133	Trans-synaptic Teneurin signalling in neuromuscular synapse organization and target choice. <i>Nature</i> , <b>2012</b> , 484, 237-41	50.4	148
132	Anatomically Defined and Functionally Distinct Dorsal Raphe Serotonin Sub-systems. <i>Cell</i> , <b>2018</b> , 175, 472-487.e20	56.2	143
131	Uncoupling dendrite growth and patterning: single-cell knockout analysis of NMDA receptor 2B. <i>Neuron</i> , <b>2009</b> , 62, 205-17	13.9	143
130	Dendritic patterning by <i>Dscam</i> and synaptic partner matching in the <i>Drosophila</i> antennal lobe. <i>Nature Neuroscience</i> , <b>2006</b> , 9, 349-55	25.5	143
129	Developmentally programmed remodeling of the <i>Drosophila</i> olfactory circuit. <i>Development (Cambridge)</i> , <b>2005</b> , 132, 725-37	6.6	140
128	Graded expression of semaphorin-1a cell-autonomously directs dendritic targeting of olfactory projection neurons. <i>Cell</i> , <b>2007</b> , 128, 399-410	56.2	139
127	A protocol for mosaic analysis with a repressible cell marker (MARCM) in <i>Drosophila</i> . <i>Nature Protocols</i> , <b>2006</b> , 1, 2583-9	18.8	138

126	From lineage to wiring specificity. POU domain transcription factors control precise connections of <i>Drosophila</i> olfactory projection neurons. <i>Cell</i> , <b>2003</b> , 112, 157-67	56.2	136
125	Thirst-associated preoptic neurons encode an aversive motivational drive. <i>Science</i> , <b>2017</b> , 357, 1149-1155	33.3	135
124	Timing neurogenesis and differentiation: insights from quantitative clonal analyses of cerebellar granule cells. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 2301-12	6.6	130
123	Anterograde or retrograde transsynaptic labeling of CNS neurons with vesicular stomatitis virus vectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 15414-15	11.5	127
122	Glomerular maps without cellular redundancy at successive levels of the <i>Drosophila</i> larval olfactory circuit. <i>Current Biology</i> , <b>2005</b> , 15, 982-92	6.3	126
121	A molecular basis for classic blond hair color in Europeans. <i>Nature Genetics</i> , <b>2014</b> , 46, 748-52	36.3	122
120	Temporal target restriction of olfactory receptor neurons by Semaphorin-1a/PlexinA-mediated axon-axon interactions. <i>Neuron</i> , <b>2007</b> , 53, 185-200	13.9	120
119	Diverse functions of N-cadherin in dendritic and axonal terminal arborization of olfactory projection neurons. <i>Neuron</i> , <b>2004</b> , 42, 63-75	13.9	119
118	Temporal evolution of cortical ensembles promoting remote memory retrieval. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 460-469	25.5	118
117	Thirst regulates motivated behavior through modulation of brainwide neural population dynamics. <i>Science</i> , <b>2019</b> , 364, 253	33.3	118
116	Breathing control center neurons that promote arousal in mice. <i>Science</i> , <b>2017</b> , 355, 1411-1415	33.3	117
115	Role of leucine-rich repeat proteins in the development and function of neural circuits. <i>Annual Review of Cell and Developmental Biology</i> , <b>2011</b> , 27, 697-729	12.6	107
114	Prion-like transmission of neuronal huntingtin aggregates to phagocytic glia in the <i>Drosophila</i> brain. <i>Nature Communications</i> , <b>2015</b> , 6, 6768	17.4	103
113	Connectivity of mouse somatosensory and prefrontal cortex examined with trans-synaptic tracing. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 1687-1697	25.5	102
112	Improved and expanded Q-system reagents for genetic manipulations. <i>Nature Methods</i> , <b>2015</b> , 12, 219-22, 5 p following 222	21.6	102
111	Olfactory receptor neuron axon targeting: intrinsic transcriptional control and hierarchical interactions. <i>Nature Neuroscience</i> , <b>2004</b> , 7, 819-25	25.5	93
110	Lineage-dependent spatial and functional organization of the mammalian enteric nervous system. <i>Science</i> , <b>2017</b> , 356, 722-726	33.3	88
109	Leucine-rich repeat transmembrane proteins instruct discrete dendrite targeting in an olfactory map. <i>Nature Neuroscience</i> , <b>2009</b> , 12, 1542-50	25.5	85

108	Cytoplasmic and mitochondrial protein translation in axonal and dendritic terminal arborization. <i>Nature Neuroscience</i> , <b>2007</b> , 10, 828-37	25.5	84
107	GABAergic projection neurons route selective olfactory inputs to specific higher-order neurons. <i>Neuron</i> , <b>2013</b> , 79, 917-31	13.9	80
106	Nurturing Undergraduate Researchers in Biomedical Sciences. <i>Cell</i> , <b>2020</b> , 182, 1-4	56.2	79
105	Visualizing the distribution of synapses from individual neurons in the mouse brain. <i>PLoS ONE</i> , <b>2010</b> , 5, e11503	3.7	78
104	Dynamic salience processing in paraventricular thalamus gates associative learning. <i>Science</i> , <b>2018</b> , 362, 423-429	33.3	75
103	Genetic strategies to access activated neurons. <i>Current Opinion in Neurobiology</i> , <b>2017</b> , 45, 121-129	7.6	72
102	Teneurin-3 controls topographic circuit assembly in the hippocampus. <i>Nature</i> , <b>2018</b> , 554, 328-333	50.4	72
101	A combinatorial semaphorin code instructs the initial steps of sensory circuit assembly in the <i>Drosophila</i> CNS. <i>Neuron</i> , <b>2011</b> , 70, 281-98	13.9	72
100	Genetic control of wiring specificity in the fly olfactory system. <i>Genetics</i> , <b>2014</b> , 196, 17-29	4	71
99	Single-cell transcriptomes and whole-brain projections of serotonin neurons in the mouse dorsal and median raphe nuclei. <i>ELife</i> , <b>2019</b> , 8,	8.9	71
98	Neurodevelopment. Dendrite morphogenesis depends on relative levels of NT-3/TrkC signaling. <i>Science</i> , <b>2014</b> , 346, 626-9	33.3	69
97	Intrinsic control of precise dendritic targeting by an ensemble of transcription factors. <i>Current Biology</i> , <b>2007</b> , 17, 278-85	6.3	67
96	Shared Cortex-Cerebellum Dynamics in the Execution and Learning of a Motor Task. <i>Cell</i> , <b>2019</b> , 177, 669-682.e24	56.2	65
95	Toll receptors instruct axon and dendrite targeting and participate in synaptic partner matching in a <i>Drosophila</i> olfactory circuit. <i>Neuron</i> , <b>2015</b> , 85, 1013-28	13.9	63
94	Synaptic organization of the <i>Drosophila</i> antennal lobe and its regulation by the Teneurins. <i>ELife</i> , <b>2014</b> , 3, e03726	8.9	63
93	A Subpopulation of Striatal Neurons Mediates Levodopa-Induced Dyskinesia. <i>Neuron</i> , <b>2018</b> , 97, 787-795.e6	15.9	62
92	Wiring stability of the adult <i>Drosophila</i> olfactory circuit after lesion. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 3367-76	6.6	61
91	MicroRNA processing pathway regulates olfactory neuron morphogenesis. <i>Current Biology</i> , <b>2008</b> , 18, 1754-9	6.3	60

90	Modeling sporadic loss of heterozygosity in mice by using mosaic analysis with double markers (MADM). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 4495-500	11.5	59
89	Cell type-specific long-range connections of basal forebrain circuit. <i>ELife</i> , <b>2016</b> , 5,	8.9	58
88	Secreted semaphorins from degenerating larval ORN axons direct adult projection neuron dendrite targeting. <i>Neuron</i> , <b>2011</b> , 72, 734-47	13.9	56
87	Cell-Surface Proteomic Profiling in the Fly Brain Uncovers Wiring Regulators. <i>Cell</i> , <b>2020</b> , 180, 373-386.e156.2	56.2	52
86	A transcriptional reporter of intracellular Ca(2+) in Drosophila. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 917-25	25.5	51
85	Deep posteromedial cortical rhythm in dissociation. <i>Nature</i> , <b>2020</b> , 586, 87-94	50.4	50
84	The Mind of a Mouse. <i>Cell</i> , <b>2020</b> , 182, 1372-1376	56.2	49
83	Lola regulates Drosophila olfactory projection neuron identity and targeting specificity. <i>Neural Development</i> , <b>2007</b> , 2, 14	3.9	46
82	Linking cell fate, trajectory choice, and target selection: genetic analysis of Sema-2b in olfactory axon targeting. <i>Neuron</i> , <b>2013</b> , 78, 673-86	13.9	45
81	Cas9-triggered chain ablation of cas9 as a gene drive brake. <i>Nature Biotechnology</i> , <b>2016</b> , 34, 137-8	44.5	44
80	Using the Q system in Drosophila melanogaster. <i>Nature Protocols</i> , <b>2011</b> , 6, 1105-20	18.8	44
79	Neocortex-Cerebellum Circuits for Cognitive Processing. <i>Trends in Neurosciences</i> , <b>2020</b> , 43, 42-54	13.3	44
78	The chromatin remodeling factor Bap55 functions through the TIP60 complex to regulate olfactory projection neuron dendrite targeting. <i>Neural Development</i> , <b>2011</b> , 6, 5	3.9	43
77	Cerebellar nuclei evolved by repeatedly duplicating a conserved cell-type set. <i>Science</i> , <b>2020</b> , 370,	33.3	43
76	Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. <i>Neuron</i> , <b>2020</b> , 106, 37-65.e5	13.9	43
75	Extensions of MADM (mosaic analysis with double markers) in mice. <i>PLoS ONE</i> , <b>2012</b> , 7, e33332	3.7	41
74	Genomic analysis of Drosophila neuronal remodeling: a role for the RNA-binding protein Boule as a negative regulator of axon pruning. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 6092-103	6.6	41
73	Fly MARCM and mouse MADM: genetic methods of labeling and manipulating single neurons. <i>Brain Research Reviews</i> , <b>2007</b> , 55, 220-7		41

72	Rabies screen reveals GPe control of cocaine-triggered plasticity. <i>Nature</i> , <b>2017</b> , 549, 345-350	50.4	39
71	Topological Organization of Ventral Tegmental Area Connectivity Revealed by Viral-Genetic Dissection of Input-Output Relations. <i>Cell Reports</i> , <b>2019</b> , 26, 159-167.e6	10.6	38
70	Mosaic analysis with double markers reveals cell-type-specific paternal growth dominance. <i>Cell Reports</i> , <b>2013</b> , 3, 960-7	10.6	37
69	Patterning axon targeting of olfactory receptor neurons by coupled hedgehog signaling at two distinct steps. <i>Cell</i> , <b>2010</b> , 142, 954-66	56.2	34
68	Histone deacetylase Rpd3 regulates olfactory projection neuron dendrite targeting via the transcription factor Prospero. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 9939-46	6.6	31
67	Presynaptic LRP4 promotes synapse number and function of excitatory CNS neurons. <i>ELife</i> , <b>2017</b> , 6,	8.9	31
66	NEUROSCIENCE. It takes the world to understand the brain. <i>Science</i> , <b>2015</b> , 350, 42-4	33.3	28
65	Molecular and Neural Functions of Rai1, the Causal Gene for Smith-Magenis Syndrome. <i>Neuron</i> , <b>2016</b> , 92, 392-406	13.9	28
64	Fibroblast growth factor signaling instructs ensheathing glia wrapping of olfactory glomeruli. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 7505-7512	11.5	26
63	Ten years of Nature Reviews Neuroscience: insights from the highly cited. <i>Nature Reviews Neuroscience</i> , <b>2010</b> , 11, 718-26	13.5	26
62	Linking neuronal lineage and wiring specificity. <i>Neural Development</i> , <b>2018</b> , 13, 5	3.9	25
61	Amygdala-Midbrain Connections Modulate Appetitive and Aversive Learning. <i>Neuron</i> , <b>2020</b> , 106, 1026-1043.e925	13.9	24
60	The Temporal Association Cortex Plays a Key Role in Auditory-Driven Maternal Plasticity. <i>Neuron</i> , <b>2020</b> , 107, 566-579.e7	13.9	24
59	Single-cell transcriptomes of developing and adult olfactory receptor neurons in. <i>ELife</i> , <b>2021</b> , 10,	8.9	24
58	Meigo governs dendrite targeting specificity by modulating ephrin level and N-glycosylation. <i>Nature Neuroscience</i> , <b>2013</b> , 16, 683-91	25.5	23
57	Specific kinematics and motor-related neurons for aversive chemotaxis in <i>Drosophila</i> . <i>Current Biology</i> , <b>2013</b> , 23, 1163-72	6.3	23
56	Fly Cell Atlas: A single-nucleus transcriptomic atlas of the adult fruit fly.. <i>Science</i> , <b>2022</b> , 375, eabk2432	33.3	23
55	Mapping mesoscale axonal projections in the mouse brain using a 3D convolutional network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 11068-11075	11.5	22



54	Genetic tagging of active neurons in auditory cortex reveals maternal plasticity of coding ultrasonic vocalizations. <i>Nature Communications</i> , <b>2018</b> , 9, 871	17.4	22
53	Single-Cell Transcriptomes Reveal Diverse Regulatory Strategies for Olfactory Receptor Expression and Axon Targeting. <i>Current Biology</i> , <b>2020</b> , 30, 1189-1198.e5	6.3	21
52	Developmental Sculpting of Intracortical Circuits by MHC Class I H2-Db and H2-Kb. <i>Cerebral Cortex</i> , <b>2016</b> , 26, 1453-1463	5.1	21
51	Functional transformations of odor inputs in the mouse olfactory bulb. <i>Frontiers in Neural Circuits</i> , <b>2014</b> , 8, 129	3.5	21
50	Drosophila Strip serves as a platform for early endosome organization during axon elongation. <i>Nature Communications</i> , <b>2014</b> , 5, 5180	17.4	20
49	Complementary Genetic Targeting and Monosynaptic Input Mapping Reveal Recruitment and Refinement of Distributed Corticostriatal Ensembles by Cocaine. <i>Neuron</i> , <b>2019</b> , 104, 916-930.e5	13.9	18
48	Early adolescent Rai1 reactivation reverses transcriptional and social interaction deficits in a mouse model of Smith-Magenis syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 10744-10749	11.5	17
47	The SUMO protease Verloren regulates dendrite and axon targeting in olfactory projection neurons. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 8331-40	6.6	16
46	Fly Cell Atlas: a single-cell transcriptomic atlas of the adult fruit fly		16
45	The olfactory circuit of the fruit fly <i>Drosophila melanogaster</i> . <i>Science China Life Sciences</i> , <b>2010</b> , 53, 472-88.5	8.5	15
44	Architectures of neuronal circuits. <i>Science</i> , <b>2021</b> , 373, eabg7285	33.3	15
43	Loss of the neural-specific BAF subunit ACTL6B relieves repression of early response genes and causes recessive autism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 10055-10066	11.5	14
42	Extremely sparse olfactory inputs are sufficient to mediate innate aversion in <i>Drosophila</i> . <i>PLoS ONE</i> , <b>2015</b> , 10, e0125986	3.7	13
41	Mapping Histological Slice Sequences to the Allen Mouse Brain Atlas Without 3D Reconstruction. <i>Frontiers in Neuroinformatics</i> , <b>2018</b> , 12, 93	3.9	13
40	Differential encoding in prefrontal cortex projection neuron classes across cognitive tasks. <i>Cell</i> , <b>2021</b> , 184, 489-506.e26	56.2	11
39	Temporal evolution of single-cell transcriptomes of olfactory projection neurons. <i>ELife</i> , <b>2021</b> , 10,	8.9	11
38	Stepwise wiring of the olfactory map requires specific Plexin B levels. <i>ELife</i> , <b>2018</b> , 7,	8.9	10
37	Phagocytic glia are obligatory intermediates in transmission of mutant huntingtin aggregates across neuronal synapses. <i>ELife</i> , <b>2020</b> , 9,	8.9	10

36	Brain Circuit of Claustrophobia-like Behavior in Mice Identified by Upstream Tracing of Sighing. <i>Cell Reports</i> , <b>2020</b> , 31, 107779	10.6	9
35	Cerebellar nuclei evolved by repeatedly duplicating a conserved cell type set		9
34	A genome-wide library of MADM mice for single-cell genetic mosaic analysis. <i>Cell Reports</i> , <b>2021</b> , 35, 1092746	10.6	9
33	GluD2- and Cbln1-mediated competitive interactions shape the dendritic arbors of cerebellar Purkinje cells. <i>Neuron</i> , <b>2021</b> , 109, 629-644.e8	13.9	9
32	Intersectional illumination of neural circuit function. <i>Neuron</i> , <b>2015</b> , 85, 889-92	13.9	8
31	Kv1.1-dependent control of hippocampal neuron number as revealed by mosaic analysis with double markers. <i>Journal of Physiology</i> , <b>2012</b> , 590, 2645-58	3.9	8
30	Principles of Neurobiology		8
29	A neural circuit state change underlying skilled movements. <i>Cell</i> , <b>2021</b> , 184, 3731-3747.e21	56.2	8
28	Skilled reaching tasks for head-fixed mice using a robotic manipulandum. <i>Nature Protocols</i> , <b>2020</b> , 15, 1237-1254	18.8	7
27	Transsynaptic Fish-lips signaling prevents misconnections between nonsynaptic partner olfactory neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 16068-16073	11.5	7
26	Reciprocal repulsions instruct the precise assembly of parallel hippocampal networks. <i>Science</i> , <b>2021</b> , 372, 1068-1073	33.3	7
25	Gut cytokines modulate olfaction through metabolic reprogramming of glia. <i>Nature</i> , <b>2021</b> , 596, 97-102	50.4	7
24	Mosaic analysis with double markers (MADM) in mice. <i>Cold Spring Harbor Protocols</i> , <b>2014</b> , 2014, 182-9	1.2	6
23	Ephrin-B3 controls excitatory synapse density through cell-cell competition for EphBs. <i>ELife</i> , <b>2019</b> , 8,	8.9	6
22	Single-cell transcriptomes of developing and adult olfactory receptor neurons in <i>Drosophila</i>		5
21	Cellular bases of olfactory circuit assembly revealed by systematic time-lapse imaging. <i>Cell</i> , <b>2021</b> , 184, 5107-5121.e14	56.2	5
20	The MutAnts Are Here. <i>Cell</i> , <b>2017</b> , 170, 601-602	56.2	4
19	Author response: Single-cell transcriptomes and whole-brain projections of serotonin neurons in the mouse dorsal and median raphe nuclei <b>2019</b> ,		4

18	Functional divergence of Plexin B structural motifs in distinct steps of olfactory circuit assembly. <i>ELife</i> , <b>2019</b> , 8,	8.9	3
17	Anatomical, Physiological, and Functional Heterogeneity of the Dorsal Raphe Serotonin System		3
16	LIS1 determines cleavage plane positioning by regulating actomyosin-mediated cell membrane contractility. <i>ELife</i> , <b>2020</b> , 9,	8.9	2
15	Classifying Drosophila Olfactory Projection Neuron Subtypes by Single-cell RNA Sequencing		2
14	Reciprocal repulsions instruct the precise assembly of parallel hippocampal networks		2
13	A Genome-wide Library of MADM Mice for Single-Cell Genetic Mosaic Analysis		2
12	Mapping Mouse Brain Slice Sequence to a Reference Brain Without 3D Reconstruction		2
11	Coordinating Receptor Expression and Wiring Specificity in Olfactory Receptor Neurons		2
10	Generation of a DAT-P2A-Flpo mouse line for intersectional genetic targeting of dopamine neuron subpopulations. <i>Cell Reports</i> , <b>2021</b> , 35, 109123	10.6	2
9	The relationship between birth timing, circuit wiring, and physiological response properties of cerebellar granule cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	2
8	Temporal Association Cortex - A Cortical Hub for Processing Infant Vocalizations. <i>SSRN Electronic Journal</i> ,	1	1
7	Temporal Evolution of Cortical Ensembles Promoting Remote Memory Retrieval		1
6	Cellular Bases of Olfactory Circuit Assembly Revealed by Systematic Time-lapse Imaging		1
5	Teneurins. <i>Current Biology</i> , <b>2021</b> , 31, R936-R937	6.3	1
4	Isolation and RNA sequencing of single nuclei from Drosophila tissues. <i>STAR Protocols</i> , <b>2022</b> , 3, 101417	1.4	1
3	Neurobiology: A bitter-sweet symphony. <i>Nature</i> , <b>2017</b> , 548, 285-287	50.4	0
2	Mating-driven variability in olfactory local interneuron wiring.. <i>Science Advances</i> , <b>2022</b> , 8, eabm7723	14.3	0
1	Suppressing Memories by Shrinking the Vesicle Pool. <i>Neuron</i> , <b>2019</b> , 101, 5-7	13.9	

