

Edward M Callaway

List of Publications by Year in descending order

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153
papers

22,715
citations

8732

75
h-index

10127

140
g-index

166
all docs

166
docs citations

166
times ranked

18286
citing authors

#	ARTICLE	IF	CITATIONS
1	Monosynaptic Restriction of Transsynaptic Tracing from Single, Genetically Targeted Neurons. <i>Neuron</i> , 2007, 53, 639-647.	3.8	1,080
2	In vivo genome editing via CRISPR/Cas9 mediated homology-independent targeted integration. <i>Nature</i> , 2016, 540, 144-149.	13.7	906
3	Genetic dissection of an amygdala microcircuit that gates conditioned fear. <i>Nature</i> , 2010, 468, 270-276.	13.7	745
4	Genetic Dissection of Neural Circuits. <i>Neuron</i> , 2008, 57, 634-660.	3.8	714
5	Parallel processing strategies of the primate visual system. <i>Nature Reviews Neuroscience</i> , 2009, 10, 360-372.	4.9	627
6	Retrograde neuronal tracing with a deletion-mutant rabies virus. <i>Nature Methods</i> , 2007, 4, 47-49.	9.0	606
7	Brominated 7-hydroxycoumarin-4-ylmethyls: Photolabile protecting groups with biologically useful cross-sections for two photon photolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 1193-1200.	3.3	592
8	Excitatory cortical neurons form fine-scale functional networks. <i>Nature</i> , 2005, 433, 868-873.	13.7	553
9	LOCAL CIRCUITS IN PRIMARY VISUAL CORTEX OF THE MACAQUE MONKEY. <i>Annual Review of Neuroscience</i> , 1998, 21, 47-74.	5.0	525
10	Cortical representations of olfactory input by trans-synaptic tracing. <i>Nature</i> , 2011, 472, 191-196.	13.7	478
11	Functional Specialization of Seven Mouse Visual Cortical Areas. <i>Neuron</i> , 2011, 72, 1040-1054.	3.8	422
12	Differential Innervation of Direct- and Indirect-Pathway Striatal Projection Neurons. <i>Neuron</i> , 2013, 79, 347-360.	3.8	408
13	A viral strategy for targeting and manipulating interneurons across vertebrate species. <i>Nature Neuroscience</i> , 2016, 19, 1743-1749.	7.1	396
14	Genetic Dissection of Neural Circuits: A Decade of Progress. <i>Neuron</i> , 2018, 98, 256-281.	3.8	374
15	Immunochemical characterization of inhibitory mouse cortical neurons: Three chemically distinct classes of inhibitory cells. <i>Journal of Comparative Neurology</i> , 2010, 518, 389-404.	0.9	373
16	Photostimulation using caged glutamate reveals functional circuitry in living brain slices.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 7661-7665.	3.3	370
17	Monosynaptic Circuit Tracing with Glycoprotein-Deleted Rabies Viruses. <i>Journal of Neuroscience</i> , 2015, 35, 8979-8985.	1.7	355
18	Fine-scale specificity of cortical networks depends on inhibitory cell type and connectivity. <i>Nature Neuroscience</i> , 2005, 8, 1552-1559.	7.1	348

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19	V1 spinal neurons regulate the speed of vertebrate locomotor outputs. <i>Nature</i> , 2006, 440, 215-219.	13.7	348
20	Emergence and refinement of clustered horizontal connections in cat striate cortex. <i>Journal of Neuroscience</i> , 1990, 10, 1134-1153.	1.7	334
21	Monosynaptic circuit tracing in vivo through Cre-dependent targeting and complementation of modified rabies virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21848-21853.	3.3	332
22	A multimodal cell census and atlas of the mammalian primary motor cortex. <i>Nature</i> , 2021, 598, 86-102.	13.7	316
23	Laminar sources of synaptic input to cortical inhibitory interneurons and pyramidal neurons. <i>Nature Neuroscience</i> , 2000, 3, 701-707.	7.1	300
24	New Rabies Virus Variants for Monitoring and Manipulating Activity and Gene Expression in Defined Neural Circuits. <i>Neuron</i> , 2011, 71, 617-631.	3.8	296
25	Topography and Areal Organization of Mouse Visual Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 12587-12600.	1.7	295
26	Silencing preBötzing Complex somatostatin-expressing neurons induces persistent apnea in awake rat. <i>Nature Neuroscience</i> , 2008, 11, 538-540.	7.1	279
27	A dedicated circuit links direction-selective retinal ganglion cells to the primary visual cortex. <i>Nature</i> , 2014, 507, 358-361.	13.7	279
28	Three Types of Cortical Layer 5 Neurons That Differ in Brain-wide Connectivity and Function. <i>Neuron</i> , 2015, 88, 1253-1267.	3.8	273
29	Design and generation of recombinant rabies virus vectors. <i>Nature Protocols</i> , 2013, 8, 1583-1601.	5.5	257
30	Preferential labeling of inhibitory and excitatory cortical neurons by endogenous tropism of adeno-associated virus and lentivirus vectors. <i>Neuroscience</i> , 2009, 161, 441-450.	1.1	247
31	Monosynaptic inputs to new neurons in the dentate gyrus. <i>Nature Communications</i> , 2012, 3, 1107.	5.8	244
32	Transneuronal circuit tracing with neurotropic viruses. <i>Current Opinion in Neurobiology</i> , 2008, 18, 617-623.	2.0	232
33	Brains, Genes, and Primates. <i>Neuron</i> , 2015, 86, 617-631.	3.8	231
34	Distinct Hippocampal Pathways Mediate Dissociable Roles of Context in Memory Retrieval. <i>Cell</i> , 2016, 167, 961-972.e16.	13.5	226
35	Metabolic cost as a unifying principle governing neuronal biophysics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12329-12334.	3.3	212
36	Parallel colour-opponent pathways to primary visual cortex. <i>Nature</i> , 2003, 426, 668-671.	13.7	211

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37	Laminar Specificity of Functional Input to Distinct Types of Inhibitory Cortical Neurons. <i>Journal of Neuroscience</i> , 2009, 29, 70-85.	1.7	203
38	A Disynaptic Relay from Superior Colliculus to Dorsal Stream Visual Cortex in Macaque Monkey. <i>Neuron</i> , 2010, 65, 270-279.	3.8	203
39	Improved Monosynaptic Neural Circuit Tracing Using Engineered Rabies Virus Glycoproteins. <i>Cell Reports</i> , 2016, 15, 692-699.	2.9	203
40	Targeting Single Neuronal Networks for Gene Expression and Cell Labeling In Vivo. <i>Neuron</i> , 2010, 67, 562-574.	3.8	196
41	Distributed and Mixed Information in Monosynaptic Inputs to Dopamine Neurons. <i>Neuron</i> , 2016, 91, 1374-1389.	3.8	195
42	Cell-Type-Specific Circuit Connectivity of Hippocampal CA1 Revealed through Cre-Dependent Rabies Tracing. <i>Cell Reports</i> , 2014, 7, 269-280.	2.9	184
43	Effects of binocular deprivation on the development of clustered horizontal connections in cat striate cortex.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 745-749.	3.3	183
44	Structure and function of parallel pathways in the primate early visual system. <i>Journal of Physiology</i> , 2005, 566, 13-19.	1.3	168
45	Mouse cortical inhibitory neuron type that coexpresses somatostatin and calretinin. <i>Journal of Comparative Neurology</i> , 2006, 499, 144-160.	0.9	165
46	Early Somatostatin Interneuron Connectivity Mediates the Maturation of Deep Layer Cortical Circuits. <i>Neuron</i> , 2016, 89, 521-535.	3.8	154
47	Anterior-Posterior Direction Opponency in the Superficial Mouse Lateral Geniculate Nucleus. <i>Neuron</i> , 2012, 76, 713-720.	3.8	152
48	Afferent Inputs to Neurotransmitter-Defined Cell Types in the Ventral Tegmental Area. <i>Cell Reports</i> , 2016, 15, 2796-2808.	2.9	145
49	Two Functional Channels from Primary Visual Cortex to Dorsal Visual Cortical Areas. <i>Science</i> , 2001, 292, 297-300.	6.0	144
50	A Genetic Method for Selective and Quickly Reversible Silencing of Mammalian Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 5287-5290.	1.7	143
51	Brain-Wide Maps of Synaptic Input to Cortical Interneurons. <i>Journal of Neuroscience</i> , 2016, 36, 4000-4009.	1.7	143
52	Orthogonal micro-organization of orientation and spatial frequency in primate primary visual cortex. <i>Nature Neuroscience</i> , 2012, 15, 1683-1690.	7.1	141
53	Convergence of magno- and parvocellular pathways in layer 4B of macaque primary visual cortex. <i>Nature</i> , 1996, 380, 442-446.	13.7	139
54	Feedforward, feedback and inhibitory connections in primate visual cortex. <i>Neural Networks</i> , 2004, 17, 625-632.	3.3	137

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55	DNA methylation atlas of the mouse brain at single-cell resolution. <i>Nature</i> , 2021, 598, 120-128.	13.7	135
56	Redefining the boundaries of the hippocampal CA2 subfield in the mouse using gene expression and 3-dimensional reconstruction. <i>Journal of Comparative Neurology</i> , 2005, 485, 1-10.	0.9	134
57	Genetic-Based Dissection Unveils the Inputs and Outputs of Striatal Patch and Matrix Compartments. <i>Neuron</i> , 2016, 91, 1069-1084.	3.8	133
58	Higher-Order Thalamic Circuits Channel Parallel Streams of Visual Information in Mice. <i>Neuron</i> , 2019, 102, 477-492.e5.	3.8	133
59	Selective and Quickly Reversible Inactivation of Mammalian Neurons In Vivo Using the Drosophila Allatostatin Receptor. <i>Neuron</i> , 2006, 51, 157-170.	3.8	127
60	Stimulating neurons with light. <i>Current Opinion in Neurobiology</i> , 2002, 12, 587-592.	2.0	121
61	The Parvocellular LGN Provides a Robust Disynaptic Input to the Visual Motion Area MT. <i>Neuron</i> , 2006, 50, 319-327.	3.8	119
62	Targeted gene delivery to telencephalic inhibitory neurons by directional in utero electroporation. <i>Journal of Neuroscience Methods</i> , 2005, 143, 151-158.	1.3	115
63	Functional Streams and Local Connections of Layer 4C Neurons in Primary Visual Cortex of the Macaque Monkey. <i>Journal of Neuroscience</i> , 1998, 18, 9489-9499.	1.7	110
64	Contributions of individual layer 5 spiny neurons to local circuits in macaque primary visual cortex. <i>Visual Neuroscience</i> , 1996, 13, 907-922.	0.5	104
65	Optogenetics through windows on the brain in the nonhuman primate. <i>Journal of Neurophysiology</i> , 2013, 110, 1455-1467.	0.9	103
66	Color and orientation are jointly coded and spatially organized in primate primary visual cortex. <i>Science</i> , 2019, 364, 1275-1279.	6.0	100
67	S Cone Contributions to the Magnocellular Visual Pathway in Macaque Monkey. <i>Neuron</i> , 2002, 35, 1135-1146.	3.8	96
68	Short promoters in viral vectors drive selective expression in mammalian inhibitory neurons, but do not restrict activity to specific inhibitory cell-types. <i>Frontiers in Neural Circuits</i> , 2009, 3, 19.	1.4	95
69	Competition favouring inactive over active motor neurons during synapse elimination. <i>Nature</i> , 1987, 328, 422-426.	13.7	89
70	Excitatory Local Connections of Superficial Neurons in Rat Auditory Cortex. <i>Journal of Neuroscience</i> , 2008, 28, 11174-11185.	1.7	89
71	Layer-Specific Input to Distinct Cell Types in Layer 6 of Monkey Primary Visual Cortex. <i>Journal of Neuroscience</i> , 2001, 21, 3600-3608.	1.7	88
72	Pattern and Component Motion Responses in Mouse Visual Cortical Areas. <i>Current Biology</i> , 2015, 25, 1759-1764.	1.8	88

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73	Extraction of Distinct Neuronal Cell Types from within a Genetically Continuous Population. <i>Neuron</i> , 2020, 107, 274-282.e6.	3.8	88
74	Development of layer-specific axonal arborizations in mouse primary somatosensory cortex. <i>Journal of Comparative Neurology</i> , 2006, 494, 398-414.	0.9	87
75	A molecular and genetic arsenal for systems neuroscience. <i>Trends in Neurosciences</i> , 2005, 28, 196-201.	4.2	86
76	Developmental Sculpting of Dendritic Morphology of Layer 4 Neurons in Visual Cortex: Influence of Retinal Input. <i>Journal of Neuroscience</i> , 2011, 31, 7456-7470.	1.7	86
77	Automated identification of mouse visual areas with intrinsic signal imaging. <i>Nature Protocols</i> , 2017, 12, 32-43.	5.5	84
78	Multiple Circuits Relaying Primate Parallel Visual Pathways to the Middle Temporal Area. <i>Journal of Neuroscience</i> , 2006, 26, 12789-12798.	1.7	83
79	The Development of Local, Layer-Specific Visual Cortical Axons in the Absence of Extrinsic Influences and Intrinsic Activity. <i>Journal of Neuroscience</i> , 1998, 18, 4145-4154.	1.7	81
80	Local Connections to Specific Types of Layer 6 Neurons in the Rat Visual Cortex. <i>Journal of Neurophysiology</i> , 2006, 95, 1751-1761.	0.9	81
81	Contrast Dependence and Differential Contributions from Somatostatin- and Parvalbumin-Expressing Neurons to Spatial Integration in Mouse V1. <i>Journal of Neuroscience</i> , 2013, 33, 11145-11154.	1.7	74
82	Monosynaptic Projections to Excitatory and Inhibitory preBötzing Complex Neurons. <i>Frontiers in Neuroanatomy</i> , 2020, 14, 58.	0.9	74
83	Molecular layer perforant path-associated cells contribute to feed-forward inhibition in the adult dentate gyrus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9106-9111.	3.3	73
84	Diversity and Cell Type Specificity of Local Excitatory Connections to Neurons in Layer 3B of Monkey Primary Visual Cortex. <i>Neuron</i> , 2000, 25, 459-471.	3.8	72
85	Retrograde tracing with recombinant rabies virus reveals correlations between projection targets and dendritic architecture in layer 5 of mouse barrel cortex. <i>Frontiers in Neural Circuits</i> , 2008, 1, 5.	1.4	72
86	Specialized Circuits from Primary Visual Cortex to V2 and Area MT. <i>Neuron</i> , 2007, 55, 799-808.	3.8	64
87	Transgenic Targeting of Recombinant Rabies Virus Reveals Monosynaptic Connectivity of Specific Neurons. <i>Journal of Neuroscience</i> , 2010, 30, 16509-16513.	1.7	63
88	Anatomical Identification of Extracellularly Recorded Cells in Large-Scale Multielectrode Recordings. <i>Journal of Neuroscience</i> , 2015, 35, 4663-4675.	1.7	63
89	Efficient Receptive Field Tiling in Primate V1. <i>Neuron</i> , 2016, 91, 893-904.	3.8	63
90	Imaging light responses of retinal ganglion cells in the living mouse eye. <i>Journal of Neurophysiology</i> , 2013, 109, 2415-2421.	0.9	61

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91	Cytochrome-oxidase blobs and intrinsic horizontal connections of layer 2/3 pyramidal neurons in primate V1. <i>Visual Neuroscience</i> , 1998, 15, 1007-1027.	0.5	60
92	Development of GABAergic inputs controls the contribution of maturing neurons to the adult hippocampal network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4290-4295.	3.3	53
93	Morphological Substrates for Parallel Streams of Corticogeniculate Feedback Originating in Both V1 and V2 of the Macaque Monkey. <i>Neuron</i> , 2016, 90, 388-399.	3.8	52
94	Mapping Brain-Wide Afferent Inputs of Parvalbumin-Expressing GABAergic Neurons in Barrel Cortex Reveals Local and Long-Range Circuit Motifs. <i>Cell Reports</i> , 2019, 28, 3450-3461.e8.	2.9	52
95	Characterization of Long Descending Premotor Propriospinal Neurons in the Spinal Cord. <i>Journal of Neuroscience</i> , 2014, 34, 9404-9417.	1.7	51
96	Cell type specificity of local cortical connections. <i>Journal of Neurocytology</i> , 2002, 31, 231-237.	1.6	50
97	Visual Spatial Summation in Macaque Geniculocortical Afferents. <i>Journal of Neurophysiology</i> , 2006, 96, 3474-3484.	0.9	50
98	Two-Photon Imaging of Calcium in Virally Transfected Striate Cortical Neurons of Behaving Monkey. <i>PLoS ONE</i> , 2010, 5, e13829.	1.1	50
99	Sources of off-target expression from recombinase-dependent AAV vectors and mitigation with cross-over insensitive ATG-out vectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 27001-27010.	3.3	50
100	Context-dependent and dynamic functional influence of corticothalamic pathways to first- and higher-order visual thalamus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13066-13077.	3.3	49
101	Prenatal Development of Layer-Specific Local Circuits in Primary Visual Cortex of the Macaque Monkey. <i>Journal of Neuroscience</i> , 1998, 18, 1505-1527.	1.7	47
102	Epigenomic diversity of cortical projection neurons in the mouse brain. <i>Nature</i> , 2021, 598, 167-173.	13.7	47
103	Molecular Fingerprinting of On-Off Direction-Selective Retinal Ganglion Cells Across Species and Relevance to Primate Visual Circuits. <i>Journal of Neuroscience</i> , 2019, 39, 78-95.	1.7	44
104	Topographic specificity of functional connections from hippocampal CA3 to CA1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2560-2565.	3.3	43
105	Laminar Patterns of Local Excitatory Input to Layer 5 Neurons in Macaque Primary Visual Cortex. <i>Cerebral Cortex</i> , 2005, 15, 479-488.	1.6	40
106	Diverse Representations of Olfactory Information in Centrifugal Feedback Projections. <i>Journal of Neuroscience</i> , 2016, 36, 7535-7545.	1.7	39
107	Intersectional monosynaptic tracing for dissecting subtype-specific organization of GABAergic interneuron inputs. <i>Nature Neuroscience</i> , 2019, 22, 492-502.	7.1	39
108	Centrifugal Inputs to the Main Olfactory Bulb Revealed Through Whole Brain Circuit-Mapping. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 115.	0.9	39

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109	In vivo Evidence for Radial Migration of Neurons by Long-Distance Somal Translocation in the Developing Ferret Visual Cortex. <i>Cerebral Cortex</i> , 2006, 16, 1571-1583.	1.6	38
110	Reorganization of Exuberant Axonal Arbors Contributes to the Development of Laminar Specificity in Ferret Visual Cortex. <i>Journal of Neuroscience</i> , 2002, 22, 6682-6695.	1.7	37
111	Cell Type-Specific Control of Neuronal Responsiveness by Gamma-Band Oscillatory Inhibition. <i>Journal of Neuroscience</i> , 2010, 30, 2150-2159.	1.7	37
112	Nonlinearity of two-photon Ca ²⁺ imaging yields distorted measurements of tuning for V1 neuronal populations. <i>Journal of Neurophysiology</i> , 2012, 107, 923-936.	0.9	36
113	Selective viral vector transduction of ErbB4 expressing cortical interneurons in vivo with a viral receptor ^{ligand} bridge protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16703-16708.	3.3	35
114	Transgenic Silencing of Neurons in the Mammalian Brain by Expression of the Allatostatin Receptor (AlstR). <i>Journal of Neurophysiology</i> , 2009, 102, 2554-2562.	0.9	32
115	Targeting thalamic circuits rescues motor and mood deficits in PD mice. <i>Nature</i> , 2022, 607, 321-329.	13.7	32
116	Morphology of superior colliculus and middle temporal area projecting neurons in primate primary visual cortex. <i>Journal of Comparative Neurology</i> , 2012, 520, 52-80.	0.9	31
117	Development of axonal arbors of layer 6 pyramidal neurons in ferret primary visual cortex. <i>Journal of Comparative Neurology</i> , 1996, 376, 295-305.	0.9	29
118	Local and Global Influences of Visual Spatial Selection and Locomotion in Mouse Primary Visual Cortex. <i>Current Biology</i> , 2019, 29, 1592-1605.e5.	1.8	27
119	Optical control of retrogradely infected neurons using drug-regulated ^{Loop} lentiviral vectors. <i>Journal of Neurophysiology</i> , 2014, 111, 2150-2159.	0.9	24
120	Comment on ^{Principles of connectivity among morphologically defined cell types in adult neocortex} . <i>Science</i> , 2016, 353, 1108-1108.	6.0	24
121	A systematic topographical relationship between mouse lateral posterior thalamic neurons and their visual cortical projection targets. <i>Journal of Comparative Neurology</i> , 2020, 528, 99-111.	0.9	24
122	Slowing of synapse elimination by ^{Î±} -bungarotoxin superfusion of the neonatal rabbit soleus muscle. <i>Developmental Biology</i> , 1989, 131, 356-365.	0.9	21
123	Ocular dominance columns and local projections of layer 6 pyramidal neurons in macaque primary visual cortex. <i>Visual Neuroscience</i> , 1997, 14, 241-251.	0.5	21
124	Neural substrates within primary visual cortex for interactions between parallel visual pathways. <i>Progress in Brain Research</i> , 2005, 149, 59-64.	0.9	21
125	Distinct ^{driving} versus ^{modulatory} influences of different visual corticothalamic pathways. <i>Current Biology</i> , 2021, 31, 5121-5137.e7.	1.8	19
126	Single-cell transcriptomic classification of rabies-infected cortical neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	19

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127	Development of visual cortical axons: Layer-specific effects of extrinsic influences and activity blockade. <i>Journal of Comparative Neurology</i> , 2001, 430, 321-331.	0.9	18
128	Cell Type-Specific Control of Spike Timing by Gamma-Band Oscillatory Inhibition. <i>Cerebral Cortex</i> , 2016, 26, bhv044.	1.6	18
129	Laminar Specificity of Local Circuits in Barrel Cortex of Ephrin-A5 Knockout Mice. <i>Journal of Neuroscience</i> , 2000, 20, RC88-RC88.	1.7	16
130	Monosynaptic inputs to ErbB4-expressing inhibitory neurons in mouse primary somatosensory cortex. <i>Journal of Comparative Neurology</i> , 2011, 519, 3402-3414.	0.9	15
131	Functional Local Input to Layer 5 Pyramidal Neurons in the Rat Visual Cortex. <i>Cerebral Cortex</i> , 2016, 26, 991-1003.	1.6	13
132	Neural Mechanisms for the Generation of Visual Complex Cells. <i>Neuron</i> , 2001, 32, 378-380.	3.8	10
133	Lack of fiber type selectivity during reinnervation of neonatal rabbit soleus muscle. <i>Developmental Biology</i> , 1989, 131, 401-414.	0.9	9
134	Viral vector-based reversible neuronal inactivation and behavioral manipulation in the macaque monkey. <i>Frontiers in Systems Neuroscience</i> , 2012, 6, 48.	1.2	9
135	Competitive elimination of neuromuscular synapses. <i>Nature</i> , 1988, 331, 21-22.	13.7	8
136	Caged Neurotransmitters: Shedding light on neural circuits. <i>Current Biology</i> , 1994, 4, 1010-1012.	1.8	8
137	Inhibitory Cell Types, Circuits and Receptive Fields in Mouse Visual Cortex. <i>Research and Perspectives in Neurosciences</i> , 2016, , 11-18.	0.4	8
138	Francis Crick's Legacy for Neuroscience: Between the $\hat{\pm}$ and the $\hat{\odot}$. <i>PLoS Biology</i> , 2004, 2, e419.	2.6	7
139	Paint It Black (or Red, or Green): Optical and Genetic Tools Illuminate Inhibitory Contributions to Cortical Circuit Function. <i>Neuron</i> , 2010, 67, 681-684.	3.8	7
140	More than a feeling: sensation from cortical stimulation. <i>Nature Neuroscience</i> , 2008, 11, 10-11.	7.1	6
141	Application of Recombinant Rabies Virus to <i>Xenopus</i> Tadpole Brain. <i>ENeuro</i> , 2021, 8, ENEURO.0477-20.2021.	0.9	6
142	Common features of diverse circuits. <i>Current Opinion in Neurobiology</i> , 2012, 22, 565-567.	2.0	5
143	Secondary auditory cortex mediates a sensorimotor mechanism for action timing. <i>Nature Neuroscience</i> , 2022, 25, 330-344.	7.1	5
144	Close Encounters. <i>Neuron</i> , 2004, 43, 156-158.	3.8	4

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145	Should I Stay or Should I Go? Presynaptic Boutons in the Adult Cortex Still Haven't Made Up Their Minds. <i>Neuron</i> , 2006, 49, 780-783.	3.8	4
146	Visual scenes and cortical neurons: What you see is what you get. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 3344-3345.	3.3	3
147	New technologies. <i>Current Opinion in Neurobiology</i> , 2006, 16, 540-542.	2.0	3
148	Suitability of hCMV for viral gene expression in the brain. <i>Nature Methods</i> , 2007, 4, 379-379.	9.0	3
149	Orientation Tuning—A Crooked Path to the Straight and Narrow. <i>Neuron</i> , 2002, 36, 783-785.	3.8	0
150	Antisense inhibition of reward learning. <i>Nature Neuroscience</i> , 2004, 7, 1023-1024.	7.1	0
151	New Rabies Virus Variants for Monitoring and Manipulating Activity and Gene Expression in Defined Neural Circuits. <i>Neuron</i> , 2012, 74, 206.	3.8	0
152	A precise and minimally invasive approach to optogenetics in the awake primate. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
153	Optical recording of the light response of ganglion cells in the living eye. , 2013, , .		0