

Edward M Callaway

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5442514/publications.pdf>

Version: 2024-02-01

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	Secondary auditory cortex mediates a sensorimotor mechanism for action timing. <i>Nature Neuroscience</i> , 2022, 25, 330-344.	7.1	5
2	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
3	Targeting thalamic circuits rescues motor and mood deficits in PD mice. <i>Nature</i> , 2022, 607, 321-329.	13.7	32
4	Application of Recombinant Rabies Virus to <i>Xenopus</i> Tadpole Brain. <i>ENEURO</i> , 2021, 8, ENEURO.0477-20.2021.	0.9	6
5	A multimodal cell census and atlas of the mammalian primary motor cortex. <i>Nature</i> , 2021, 598, 86-102.	13.7	316
6	Distinct "driving" versus "modulatory" influences of different visual corticothalamic pathways. <i>Current Biology</i> , 2021, 31, 5121-5137.e7.	1.8	19
7	DNA methylation atlas of the mouse brain at single-cell resolution. <i>Nature</i> , 2021, 598, 120-128.	13.7	135
8	Epigenomic diversity of cortical projection neurons in the mouse brain. <i>Nature</i> , 2021, 598, 167-173.	13.7	47
9	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
10	Monosynaptic Projections to Excitatory and Inhibitory preBötzing Complex Neurons. <i>Frontiers in Neuroanatomy</i> , 2020, 14, 58.	0.9	74
11	Extraction of Distinct Neuronal Cell Types from within a Genetically Continuous Population. <i>Neuron</i> , 2020, 107, 274-282.e6.	3.8	88
12	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
13	Color and orientation are jointly coded and spatially organized in primate primary visual cortex. <i>Science</i> , 2019, 364, 1275-1279.	6.0	100
14	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
15	Intersectional monosynaptic tracing for dissecting subtype-specific organization of GABAergic interneuron inputs. <i>Nature Neuroscience</i> , 2019, 22, 492-502.	7.1	39
16	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
17	Higher-Order Thalamic Circuits Channel Parallel Streams of Visual Information in Mice. <i>Neuron</i> , 2019, 102, 477-492.e5.	3.8	133
18	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

#	ARTICLE	IF	CITATIONS
19	Molecular Fingerprinting of Onâ€œOff 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
20	Genetic Dissection of Neural Circuits: A Decade of Progress. <i>Neuron</i> , 2018, 98, 256-281.	3.8	374
21	Centrifugal Inputs to the Main Olfactory Bulb Revealed Through Whole Brain Circuit-Mapping. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 115.	0.9	39
22	Automated identification of mouse visual areas with intrinsic signal imaging. <i>Nature Protocols</i> , 2017, 12, 32-43.	5.5	84
23	Cell Type-Specific Control of Spike Timing by Gamma-Band Oscillatory Inhibition. <i>Cerebral Cortex</i> , 2016, 26, bhv044.	1.6	18
24	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
25	Brain-Wide Maps of Synaptic Input to Cortical Interneurons. <i>Journal of Neuroscience</i> , 2016, 36, 4000-4009.	1.7	143
26	Comment on â€œPrinciples of connectivity among morphologically defined cell types in adult neocortexâ€• <i>Science</i> , 2016, 353, 1108-1108.	6.0	24
27	Distributed and Mixed Information in Monosynaptic Inputs to Dopamine Neurons. <i>Neuron</i> , 2016, 91, 1374-1389.	3.8	195
28	Diverse Representations of Olfactory Information in Centrifugal Feedback Projections. <i>Journal of Neuroscience</i> , 2016, 36, 7535-7545.	1.7	39
29	Efficient Receptive Field Tiling in Primate V1. <i>Neuron</i> , 2016, 91, 893-904.	3.8	63
30	Genetic-Based Dissection Unveils the Inputs and Outputs of Striatal Patch and Matrix Compartments. <i>Neuron</i> , 2016, 91, 1069-1084.	3.8	133
31	In vivo genome editing via CRISPR/Cas9 mediated homology-independent targeted integration. <i>Nature</i> , 2016, 540, 144-149.	13.7	906
32	Distinct Hippocampal Pathways Mediate Dissociable Roles of Context in Memory Retrieval. <i>Cell</i> , 2016, 167, 961-972.e16.	13.5	226
33	A viral strategy for targeting and manipulating interneurons across vertebrate species. <i>Nature Neuroscience</i> , 2016, 19, 1743-1749.	7.1	396
34	Afferent Inputs to Neurotransmitter-Defined Cell Types in the Ventral Tegmental Area. <i>Cell Reports</i> , 2016, 15, 2796-2808.	2.9	145
35	Improved Monosynaptic Neural Circuit Tracing Using Engineered Rabies Virus Glycoproteins. <i>Cell Reports</i> , 2016, 15, 692-699.	2.9	203
36	Functional Local Input to Layer 5 Pyramidal Neurons in the Rat Visual Cortex. <i>Cerebral Cortex</i> , 2016, 26, 991-1003.	1.6	13

#	ARTICLE	IF	CITATIONS
37	Early Somatostatin Interneuron Connectivity Mediates the Maturation of Deep Layer Cortical Circuits. <i>Neuron</i> , 2016, 89, 521-535.	3.8	154
38	Inhibitory Cell Types, Circuits and Receptive Fields in Mouse Visual Cortex. <i>Research and Perspectives in Neurosciences</i> , 2016, , 11-18.	0.4	8
39	Pattern and Component Motion Responses in Mouse Visual Cortical Areas. <i>Current Biology</i> , 2015, 25, 1759-1764.	1.8	88
40	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
41	Monosynaptic Circuit Tracing with Glycoprotein-Deleted Rabies Viruses. <i>Journal of Neuroscience</i> , 2015, 35, 8979-8985.	1.7	355
42	Brains, Genes, and Primates. <i>Neuron</i> , 2015, 86, 617-631.	3.8	231
43	Anatomical Identification of Extracellularly Recorded Cells in Large-Scale Multielectrode Recordings. <i>Journal of Neuroscience</i> , 2015, 35, 4663-4675.	1.7	63
44	Topography and Areal Organization of Mouse Visual Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 12587-12600.	1.7	295
45	Characterization of Long Descending Premotor Propriospinal Neurons in the Spinal Cord. <i>Journal of Neuroscience</i> , 2014, 34, 9404-9417.	1.7	51
46	A dedicated circuit links direction-selective retinal ganglion cells to the primary visual cortex. <i>Nature</i> , 2014, 507, 358-361.	13.7	279
47	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
48	Optical control of retrogradely infected neurons using drug-regulated "Loop" lentiviral vectors. <i>Journal of Neurophysiology</i> , 2014, 111, 2150-2159.	0.9	24
49	Differential Innervation of Direct- and Indirect-Pathway Striatal Projection Neurons. <i>Neuron</i> , 2013, 79, 347-360.	3.8	408
50	Design and generation of recombinant rabies virus vectors. <i>Nature Protocols</i> , 2013, 8, 1583-1601.	5.5	257
51	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
52	Optogenetics through windows on the brain in the nonhuman primate. <i>Journal of Neurophysiology</i> , 2013, 110, 1455-1467.	0.9	103
53	Imaging light responses of retinal ganglion cells in the living mouse eye. <i>Journal of Neurophysiology</i> , 2013, 109, 2415-2421.	0.9	61
54	A precise and minimally invasive approach to optogenetics in the awake primate. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0

#	ARTICLE	IF	CITATIONS
55	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
56	Optical recording of the light response of ganglion cells in the living eye. , 2013, , .		0
57	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
58	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
59	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
60	Monosynaptic inputs to new neurons in the dentate gyrus. <i>Nature Communications</i> , 2012, 3, 1107.	5.8	244
61	Common features of diverse circuits. <i>Current Opinion in Neurobiology</i> , 2012, 22, 565-567.	2.0	5
62	Orthogonal micro-organization of orientation and spatial frequency in primate primary visual cortex. <i>Nature Neuroscience</i> , 2012, 15, 1683-1690.	7.1	141
63	Anterior-Posterior Direction Opponency in the Superficial Mouse Lateral Geniculate Nucleus. <i>Neuron</i> , 2012, 76, 713-720.	3.8	152
64	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
65	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
66	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
67	Functional Specialization of Seven Mouse Visual Cortical Areas. <i>Neuron</i> , 2011, 72, 1040-1054.	3.8	422
68	Cortical representations of olfactory input by trans-synaptic tracing. <i>Nature</i> , 2011, 472, 191-196.	13.7	478
69	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
70	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
71	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
72	Genetic dissection of an amygdala microcircuit that gates conditioned fear. <i>Nature</i> , 2010, 468, 270-276.	13.7	745

#	ARTICLE	IF	CITATIONS
73	Two-Photon Imaging of Calcium in Virally Transfected Striate Cortical Neurons of Behaving Monkey. PLoS ONE, 2010, 5, e13829.	1.1	50
74	Metabolic cost as a unifying principle governing neuronal biophysics. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12329-12334.	3.3	212
75	Selective viral vector transduction of ErbB4 expressing cortical interneurons in vivo with a viral receptor-ligand bridge protein. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16703-16708.	3.3	35
76	Cell Type-Specific Control of Neuronal Responsiveness by Gamma-Band Oscillatory Inhibition. Journal of Neuroscience, 2010, 30, 2150-2159.	1.7	37
77	Transgenic Targeting of Recombinant Rabies Virus Reveals Monosynaptic Connectivity of Specific Neurons. Journal of Neuroscience, 2010, 30, 16509-16513.	1.7	63
78	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.	3.3	332
79	A Disynaptic Relay from Superior Colliculus to Dorsal Stream Visual Cortex in Macaque Monkey. Neuron, 2010, 65, 270-279.	3.8	203
80	Targeting Single Neuronal Networks for Gene Expression and Cell Labeling In Vivo. Neuron, 2010, 67, 562-574.	3.8	196
81	Paint It Black (or Red, or Green): Optical and Genetic Tools Illuminate Inhibitory Contributions to Cortical Circuit Function. Neuron, 2010, 67, 681-684.	3.8	7
82	Short promoters in viral vectors drive selective expression in mammalian inhibitory neurons, but do not restrict activity to specific inhibitory cell-types. Frontiers in Neural Circuits, 2009, 3, 19.	1.4	95
83	Laminar Specificity of Functional Input to Distinct Types of Inhibitory Cortical Neurons. Journal of Neuroscience, 2009, 29, 70-85.	1.7	203
84	Transgenic Silencing of Neurons in the Mammalian Brain by Expression of the Allatostatin Receptor (AlstR). Journal of Neurophysiology, 2009, 102, 2554-2562.	0.9	32
85	Parallel processing strategies of the primate visual system. Nature Reviews Neuroscience, 2009, 10, 360-372.	4.9	627
86	Preferential labeling of inhibitory and excitatory cortical neurons by endogenous tropism of adeno-associated virus and lentivirus vectors. Neuroscience, 2009, 161, 441-450.	1.1	247
87	Silencing preBötzing Complex somatostatin-expressing neurons induces persistent apnea in awake rat. Nature Neuroscience, 2008, 11, 538-540.	7.1	279
88	More than a feeling: sensation from cortical stimulation. Nature Neuroscience, 2008, 11, 10-11.	7.1	6
89	Transneuronal circuit tracing with neurotropic viruses. Current Opinion in Neurobiology, 2008, 18, 617-623.	2.0	232
90	Genetic Dissection of Neural Circuits. Neuron, 2008, 57, 634-660.	3.8	714

#	ARTICLE	IF	CITATIONS
91	Excitatory Local Connections of Superficial Neurons in Rat Auditory Cortex. <i>Journal of Neuroscience</i> , 2008, 28, 11174-11185.	1.7	89
92	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
93	Monosynaptic Restriction of Transsynaptic Tracing from Single, Genetically Targeted Neurons. <i>Neuron</i> , 2007, 53, 639-647.	3.8	1,080
94	Specialized Circuits from Primary Visual Cortex to V2 and Area MT. <i>Neuron</i> , 2007, 55, 799-808.	3.8	64
95	Suitability of hCMV for viral gene expression in the brain. <i>Nature Methods</i> , 2007, 4, 379-379.	9.0	3
96	Retrograde neuronal tracing with a deletion-mutant rabies virus. <i>Nature Methods</i> , 2007, 4, 47-49.	9.0	606
97	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
98	The Parvocellular LGN Provides a Robust Disynaptic Input to the Visual Motion Area MT. <i>Neuron</i> , 2006, 50, 319-327.	3.8	119
99	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
100	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
101	Visual Spatial Summation in Macaque Geniculocortical Afferents. <i>Journal of Neurophysiology</i> , 2006, 96, 3474-3484.	0.9	50
102	V1 spinal neurons regulate the speed of vertebrate locomotor outputs. <i>Nature</i> , 2006, 440, 215-219.	13.7	348
103	New technologies. <i>Current Opinion in Neurobiology</i> , 2006, 16, 540-542.	2.0	3
104	Development of layer-specific axonal arborizations in mouse primary somatosensory cortex. <i>Journal of Comparative Neurology</i> , 2006, 494, 398-414.	0.9	87
105	Mouse cortical inhibitory neuron type that coexpresses somatostatin and calretinin. <i>Journal of Comparative Neurology</i> , 2006, 499, 144-160.	0.9	165
106	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
107	Multiple Circuits Relaying Primate Parallel Visual Pathways to the Middle Temporal Area. <i>Journal of Neuroscience</i> , 2006, 26, 12789-12798.	1.7	83
108	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

#	ARTICLE	IF	CITATIONS
109	Fine-scale specificity of cortical networks depends on inhibitory cell type and connectivity. <i>Nature Neuroscience</i> , 2005, 8, 1552-1559.	7.1	348
110	Structure and function of parallel pathways in the primate early visual system. <i>Journal of Physiology</i> , 2005, 566, 13-19.	1.3	168
111	Excitatory cortical neurons form fine-scale functional networks. <i>Nature</i> , 2005, 433, 868-873.	13.7	553
112	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
113	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
114	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
115	A molecular and genetic arsenal for systems neuroscience. <i>Trends in Neurosciences</i> , 2005, 28, 196-201.	4.2	86
116	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
117	Francis Crick's Legacy for Neuroscience: Between the $\hat{\pm}$ and the $\hat{\circ}$. <i>PLoS Biology</i> , 2004, 2, e419.	2.6	7
118	Antisense inhibition of reward learning. <i>Nature Neuroscience</i> , 2004, 7, 1023-1024.	7.1	0
119	Feedforward, feedback and inhibitory connections in primate visual cortex. <i>Neural Networks</i> , 2004, 17, 625-632.	3.3	137
120	Close Encounters. <i>Neuron</i> , 2004, 43, 156-158.	3.8	4
121	Parallel colour-opponent pathways to primary visual cortex. <i>Nature</i> , 2003, 426, 668-671.	13.7	211
122	S Cone Contributions to the Magnocellular Visual Pathway in Macaque Monkey. <i>Neuron</i> , 2002, 35, 1135-1146.	3.8	96
123	Orientation Tuning – A Crooked Path to the Straight and Narrow. <i>Neuron</i> , 2002, 36, 783-785.	3.8	0
124	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
125	A Genetic Method for Selective and Quickly Reversible Silencing of Mammalian Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 5287-5290.	1.7	143
126	Stimulating neurons with light. <i>Current Opinion in Neurobiology</i> , 2002, 12, 587-592.	2.0	121

#	ARTICLE	IF	CITATIONS
127	Cell type specificity of local cortical connections. <i>Journal of Neurocytology</i> , 2002, 31, 231-237.	1.6	50
128	Neural Mechanisms for the Generation of Visual Complex Cells. <i>Neuron</i> , 2001, 32, 378-380.	3.8	10
129	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
130	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
131	Two Functional Channels from Primary Visual Cortex to Dorsal Visual Cortical Areas. <i>Science</i> , 2001, 292, 297-300.	6.0	144
132	Laminar sources of synaptic input to cortical inhibitory interneurons and pyramidal neurons. <i>Nature Neuroscience</i> , 2000, 3, 701-707.	7.1	300
133	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
134	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
135	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
136	LOCAL CIRCUITS IN PRIMARY VISUAL CORTEX OF THE MACAQUE MONKEY. <i>Annual Review of Neuroscience</i> , 1998, 21, 47-74.	5.0	525
137	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
138	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
139	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
140	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
141	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
142	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
143	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
144	Convergence of magno- and parvocellular pathways in layer 4B of macaque primary visual cortex. <i>Nature</i> , 1996, 380, 442-446.	13.7	139

#	ARTICLE	IF	CITATIONS
145	Contributions of individual layer 2â€“5 spiny neurons to local circuits in macaque primary visual cortex. <i>Visual Neuroscience</i> , 1996, 13, 907-922.	0.5	104
146	Caged Neurotransmitters: Shedding light on neural circuits. <i>Current Biology</i> , 1994, 4, 1010-1012.	1.8	8
147	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
148	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
149	Emergence and refinement of clustered horizontal connections in cat striate cortex. <i>Journal of Neuroscience</i> , 1990, 10, 1134-1153.	1.7	334
150	Slowing of synapse elimination by $\hat{1}\pm$ -bungarotoxin superfusion of the neonatal rabbit soleus muscle. <i>Developmental Biology</i> , 1989, 131, 356-365.	0.9	21
151	Lack of fiber type selectivity during reinnervation of neonatal rabbit soleus muscle. <i>Developmental Biology</i> , 1989, 131, 401-414.	0.9	9
152	Competitive elimination of neuromuscular synapses. <i>Nature</i> , 1988, 331, 21-22.	13.7	8
153	Competition favouring inactive over active motor neurons during synapse elimination. <i>Nature</i> , 1987, 328, 422-426.	13.7	89