

John R Huguenard

List of Publications by Year in descending order

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187
papers

22,385
citations

13332

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11282

141
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200
all docs

200
docs citations

200
times ranked

22546
citing authors

#	ARTICLE	IF	CITATIONS
1	Maladaptive myelination promotes generalized epilepsy progression. <i>Nature Neuroscience</i> , 2022, 25, 596-606.	7.1	33
2	Long-term maturation of human cortical organoids matches key early postnatal transitions. <i>Nature Neuroscience</i> , 2021, 24, 331-342.	7.1	188
3	NF1 mutation drives neuronal activity-dependent initiation of optic glioma. <i>Nature</i> , 2021, 594, 277-282.	13.7	91
4	Precise spatiotemporal control of voltage-gated sodium channels by photocaged saxitoxin. <i>Nature Communications</i> , 2021, 12, 4171.	5.8	8
5	Development and validation of a potent and specific inhibitor for the CLC-2 chloride channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32711-32721.	3.3	12
6	Perspective: Is Cortical Hyperexcitability the Only Path to Generalized Absence Epilepsy?. <i>Epilepsy Currents</i> , 2020, 20, 59S-61S.	0.4	3
7	Neuronal defects in a human cellular model of 22q11.2 deletion syndrome. <i>Nature Medicine</i> , 2020, 26, 1888-1898.	15.2	113
8	Nonlinearities between inhibition and T-type calcium channel activity bidirectionally regulate thalamic oscillations. <i>ELife</i> , 2020, 9, .	2.8	7
9	Differentiation and maturation of oligodendrocytes in human three-dimensional neural cultures. <i>Nature Neuroscience</i> , 2019, 22, 484-491.	7.1	247
10	Current Controversy: Spikes, Bursts, and Synchrony in Generalized Absence Epilepsy: Unresolved Questions Regarding Thalamocortical Synchrony in Absence Epilepsy. <i>Epilepsy Currents</i> , 2019, 19, 105-111.	0.4	25
11	Reliability of human cortical organoid generation. <i>Nature Methods</i> , 2019, 16, 75-78.	9.0	330
12	Shank and Zinc Mediate an AMPA Receptor Subunit Switch in Developing Neurons. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 405.	1.4	53
13	Anatomically Defined and Functionally Distinct Dorsal Raphe Serotonin Sub-systems. <i>Cell</i> , 2018, 175, 472-487.e20.	13.5	307
14	Regulation of Thalamic and Cortical Network Synchrony by Scn8a. <i>Neuron</i> , 2017, 93, 1165-1179.e6.	3.8	93
15	Assembly of functionally integrated human forebrain spheroids. <i>Nature</i> , 2017, 545, 54-59.	13.7	931
16	Breathing control center neurons that promote arousal in mice. <i>Science</i> , 2017, 355, 1411-1415.	6.0	176
17	Bidirectional Control of Generalized Epilepsy Networks via Rapid Real-Time Switching of Firing Mode. <i>Neuron</i> , 2017, 93, 194-210.	3.8	107
18	Criminal Minds: Cav3.2 Channels Are the Culprits, but NMDAR Are the Co-Conspirators. <i>Epilepsy Currents</i> , 2016, 16, 36-38.	0.4	0

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19	Early postnatal switch in GABA _A receptor $\hat{\alpha}$ -subunits in the reticular thalamic nucleus. <i>Journal of Neurophysiology</i> , 2016, 115, 1183-1195.	0.9	13
20	Two classes of excitatory synaptic responses in rat thalamic reticular neurons. <i>Journal of Neurophysiology</i> , 2016, 116, 995-1011.	0.9	21
21	Tapping the Brakes: Cellular and Synaptic Mechanisms that Regulate Thalamic Oscillations. <i>Neuron</i> , 2016, 92, 687-704.	3.8	127
22	Enhanced phasic GABA inhibition during the repair phase of stroke: a novel therapeutic target. <i>Brain</i> , 2016, 139, 468-480.	3.7	94
23	Absence seizure susceptibility correlates with pre-ictal $\hat{\alpha}$ oscillations. <i>Journal of Physiology (Paris)</i> , 2016, 110, 372-381.	2.1	23
24	LSPS/Optogenetics to Improve Synaptic Connectivity Mapping: Unmasking the Role of Basket Cell-Mediated Feedforward Inhibition. <i>ENeuro</i> , 2016, 3, ENEURO.0142-15.2016.	0.9	7
25	Catching a wave. <i>ELife</i> , 2016, 5, .	2.8	0
26	Optogenetics and Epilepsy: Past, Present and Future. <i>Epilepsy Currents</i> , 2015, 15, 34-38.	0.4	51
27	Functional cortical neurons and astrocytes from human pluripotent stem cells in 3D culture. <i>Nature Methods</i> , 2015, 12, 671-678.	9.0	1,220
28	Attentional flexibility in the thalamus: now we're getting SOMwhere. <i>Nature Neuroscience</i> , 2015, 18, 2-4.	7.1	16
29	Seizing upon Mechanisms for Impaired Consciousness. <i>Neuron</i> , 2015, 85, 453-455.	3.8	5
30	Endozepines. <i>Advances in Pharmacology</i> , 2015, 72, 147-164.	1.2	30
31	Cholinergic Control of Gamma Power in the Midbrain Spatial Attention Network. <i>Journal of Neuroscience</i> , 2015, 35, 761-775.	1.7	8
32	Microcircuits and their interactions in epilepsy: is the focus out of focus?. <i>Nature Neuroscience</i> , 2015, 18, 351-359.	7.1	256
33	Electrical synapses connect a network of gonadotropin releasing hormone neurons in a cichlid fish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3805-3810.	3.3	39
34	Albumin induces excitatory synaptogenesis through astrocytic TGF- $\hat{\alpha}$ /ALK5 signaling in a model of acquired epilepsy following blood-brain barrier dysfunction. <i>Neurobiology of Disease</i> , 2015, 78, 115-125.	2.1	213
35	Optogenetics: 10 years after Chr2 in neurons—views from the community. <i>Nature Neuroscience</i> , 2015, 18, 1202-1212.	7.1	122
36	Satb2 Regulates the Differentiation of Both Callosal and Subcerebral Projection Neurons in the Developing Cerebral Cortex. <i>Cerebral Cortex</i> , 2015, 25, 3406-3419.	1.6	137

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37	Spatially Reciprocal Inhibition of Inhibition within a Stimulus Selection Network in the Avian Midbrain. PLoS ONE, 2014, 9, e85865.	1.1	27
38	Modulation of Short-Term Plasticity in the Corticothalamic Circuit by Group III Metabotropic Glutamate Receptors. Journal of Neuroscience, 2014, 34, 675-687.	1.7	15
39	A Local Glutamate-Glutamine Cycle Sustains Synaptic Excitatory Transmitter Release. Neuron, 2014, 81, 888-900.	3.8	159
40	Frequency-Dependent, Cell Type-Divergent Signaling in the Hippocamposeptal Projection. Journal of Neuroscience, 2014, 34, 11769-11780.	1.7	35
41	Parallel Midbrain Microcircuits Perform Independent Temporal Transformations. Journal of Neuroscience, 2014, 34, 8130-8138.	1.7	12
42	Glutamate biosensor imaging reveals dysregulation of glutamatergic pathways in a model of developmental cortical malformation. Neurobiology of Disease, 2013, 49, 232-246.	2.1	16
43	Closed-loop optogenetic control of thalamus as a tool for interrupting seizures after cortical injury. Nature Neuroscience, 2013, 16, 64-70.	7.1	491
44	Endogenous Positive Allosteric Modulation of GABAA Receptors by Diazepam binding inhibitor. Neuron, 2013, 78, 1063-1074.	3.8	79
45	Sniffer patch laser uncaging response (SPLURgE): an assay of regional differences in allosteric receptor modulation and neurotransmitter clearance. Journal of Neurophysiology, 2013, 110, 1722-1731.	0.9	3
46	Reemerging role of cable properties in action potential initiation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3715-3716.	3.3	7
47	Astrocytes potentiate GABAergic transmission in the thalamic reticular nucleus via endozepine signaling. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20278-20283.	3.3	51
48	Sleep and Epilepsy: A Summary of the 2011 Merritt-Putnam Symposium. Epilepsy Currents, 2013, 13, 42-49.	0.4	12
49	Influence of a Subtype of Inhibitory Interneuron on Stimulus-Specific Responses in Visual Cortex. Cerebral Cortex, 2012, 22, 493-508.	1.6	17
50	Increased Excitatory Synaptic Input to Granule Cells from Hilar and CA3 Regions in a Rat Model of Temporal Lobe Epilepsy. Journal of Neuroscience, 2012, 32, 1183-1196.	1.7	58
51	Mechanism for Hypocretin-mediated sleep-to-wake transitions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2635-44.	3.3	236
52	Gamma Oscillations Are Generated Locally in an Attention-Related Midbrain Network. Neuron, 2012, 73, 567-580.	3.8	46
53	A call for transparent reporting to optimize the predictive value of preclinical research. Nature, 2012, 490, 187-191.	13.7	1,055
54	Enhanced NMDA Receptor-Dependent Thalamic Excitation and Network Oscillations in Stargazer Mice. Journal of Neuroscience, 2012, 32, 11067-11081.	1.7	49

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55	R U OK? the Novel Therapeutic Potential of R Channels in Epilepsy. <i>Epilepsy Currents</i> , 2012, 12, 75-76.	0.4	1
56	A new mode of corticothalamic transmission revealed in the Gria4 ^{+/+} model of absence epilepsy. <i>Nature Neuroscience</i> , 2011, 14, 1167-1173.	7.1	159
57	Neocortical excitation/inhibition balance in information processing and social dysfunction. <i>Nature</i> , 2011, 477, 171-178.	13.7	2,036
58	Martinotti Cells: Community Organizers. <i>Neuron</i> , 2011, 69, 1042-1045.	3.8	11
59	Reorganization of Inhibitory Synaptic Circuits in Rodent Chronically Injured Epileptogenic Neocortex. <i>Cerebral Cortex</i> , 2011, 21, 1094-1104.	1.6	49
60	Mechanisms of excitability in the thalamocortical circuit. <i>Epilepsia</i> , 2010, 51, 25-25.	2.6	2
61	Differential effects of Na ⁺ K ⁺ ATPase blockade on cortical layer V neurons. <i>Journal of Physiology</i> , 2010, 588, 4401-4414.	1.3	45
62	Glutamine Is Required for Persistent Epileptiform Activity in the Disinhibited Neocortical Brain Slice. <i>Journal of Neuroscience</i> , 2010, 30, 1288-1300.	1.7	49
63	Focal Cortical Infarcts Alter Intrinsic Excitability and Synaptic Excitation in the Reticular Thalamic Nucleus. <i>Journal of Neuroscience</i> , 2010, 30, 5465-5479.	1.7	65
64	Astrocytes as Gatekeepers of GABA _B Receptor Function. <i>Journal of Neuroscience</i> , 2010, 30, 15262-15276.	1.7	98
65	Enhanced Infragranular and Supragranular Synaptic Input onto Layer 5 Pyramidal Neurons in a Rat Model of Cortical Dysplasia. <i>Cerebral Cortex</i> , 2010, 20, 2926-2938.	1.6	33
66	Desynchronization of Neocortical Networks by Asynchronous Release of GABA at Autaptic and Synaptic Contacts from Fast-Spiking Interneurons. <i>PLoS Biology</i> , 2010, 8, e1000492.	2.6	83
67	Maintenance of Thalamic Epileptiform Activity Depends on the Astrocytic Glutamate-Glutamine Cycle. <i>Journal of Neurophysiology</i> , 2009, 102, 2880-2888.	0.9	37
68	Robust Short-Latency Perisomatic Inhibition onto Neocortical Pyramidal Cells Detected by Laser-Scanning Photostimulation. <i>Journal of Neuroscience</i> , 2009, 29, 7413-7423.	1.7	30
69	A gain in GABA _A receptor synaptic strength in thalamus reduces oscillatory activity and absence seizures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7630-7635.	3.3	61
70	Who let the spikes out?. <i>Nature Neuroscience</i> , 2009, 12, 959-960.	7.1	9
71	Neurons that Fire Together Also Conspire Together: Is Normal Sleep Circuitry Hijacked to Generate Epilepsy?. <i>Neuron</i> , 2009, 62, 612-632.	3.8	327
72	Resting Our Cortices by Going DOWN to Sleep. <i>Neuron</i> , 2009, 63, 719-721.	3.8	4

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73	Synergistic Roles of GABAA Receptors and SK Channels in Regulating Thalamocortical Oscillations. <i>Journal of Neurophysiology</i> , 2009, 102, 203-213.	0.9	28
74	Modeling Voltage-Dependent Channels. , 2009, , 107-138.		5
75	Imaging of glutamate in brain slices using FRET sensors. <i>Journal of Neuroscience Methods</i> , 2008, 168, 306-319.	1.3	66
76	Normal sleep homeostasis and lack of epilepsy phenotype in GABAA receptor $\alpha 3$ subunit-knockout mice. <i>Neuroscience</i> , 2008, 154, 595-605.	1.1	34
77	Absence seizures in C3H/HeJ and knockout mice caused by mutation of the AMPA receptor subunit <i>Gria4</i> . <i>Human Molecular Genetics</i> , 2008, 17, 1738-1749.	1.4	78
78	Sequential Changes in AMPA Receptor Targeting in the Developing Neocortical Excitatory Circuit. <i>Journal of Neuroscience</i> , 2008, 28, 13918-13928.	1.7	78
79	The Endocannabinoid 2-Arachidonoylglycerol Is Responsible for the Slow Self-Inhibition in Neocortical Interneurons. <i>Journal of Neuroscience</i> , 2008, 28, 13532-13541.	1.7	74
80	GABA Affinity Shapes IPSCs in Thalamic Nuclei. <i>Journal of Neuroscience</i> , 2007, 27, 7954-7962.	1.7	48
81	Recurrent Circuits in Layer II of Medial Entorhinal Cortex in a Model of Temporal Lobe Epilepsy. <i>Journal of Neuroscience</i> , 2007, 27, 1239-1246.	1.7	72
82	Thalamic synchrony and dynamic regulation of global forebrain oscillations. <i>Trends in Neurosciences</i> , 2007, 30, 350-356.	4.2	353
83	NPY signaling through Y1 receptors modulates thalamic oscillations. <i>Peptides</i> , 2007, 28, 250-256.	1.2	10
84	Intrinsic Excitability of Cholinergic Neurons in the Rat Parabrachial Nucleus. <i>Journal of Neurophysiology</i> , 2007, 98, 3486-3493.	0.9	7
85	Giant Spontaneous Depolarizing Potentials in the Developing Thalamic Reticular Nucleus. <i>Journal of Neurophysiology</i> , 2007, 97, 2364-2372.	0.9	20
86	PKC and polyamine modulation of GluR2-deficient AMPA receptors in immature neocortical pyramidal neurons of the rat. <i>Journal of Physiology</i> , 2007, 581, 679-691.	1.3	18
87	Modulation of epileptiform activity by glutamine and system A transport in a model of post-traumatic epilepsy. <i>Neurobiology of Disease</i> , 2007, 25, 230-238.	2.1	44
88	Gender and age differences in expression of GABAA receptor subunits in rat somatosensory thalamus and cortex in an absence epilepsy model. <i>Neurobiology of Disease</i> , 2007, 25, 623-630.	2.1	30
89	Enhancement of Spike-Timing Precision by Autaptic Transmission in Neocortical Inhibitory Interneurons. <i>Neuron</i> , 2006, 49, 119-130.	3.8	195
90	Selective changes in thalamic and cortical GABAA receptor subunits in a model of acquired absence epilepsy in the rat. <i>Neuropharmacology</i> , 2006, 51, 121-128.	2.0	31

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91	A Thalamic Sleep Tonic. <i>Epilepsy Currents</i> , 2006, 6, 164-166.	0.4	0
92	Fast IPSCs in rat thalamic reticular nucleus require the GABA _A receptor $\gamma 2$ subunit. <i>Journal of Physiology</i> , 2006, 572, 459-475.	1.3	33
93	Electrophysiological Classification of Somatostatin-Positive Interneurons in Mouse Sensorimotor Cortex. <i>Journal of Neurophysiology</i> , 2006, 96, 834-845.	0.9	96
94	Thalamic, Thalamocortical, and Corticocortical Models of Epilepsy with an Emphasis on Absence Seizures. , 2006, , 73-88.		6
95	Distinct Electrical and Chemical Connectivity Maps in the Thalamic Reticular Nucleus: Potential Roles in Synchronization and Sensation. <i>Journal of Neuroscience</i> , 2006, 26, 8633-8645.	1.7	106
96	Chronic Valproic Acid Treatment Triggers Increased Neuropeptide Y Expression and Signaling in Rat Nucleus Reticularis Thalami. <i>Journal of Neuroscience</i> , 2006, 26, 6813-6822.	1.7	36
97	Enhanced Excitatory Synaptic Connectivity in Layer V Pyramidal Neurons of Chronically Injured Epileptogenic Neocortex in Rats. <i>Journal of Neuroscience</i> , 2006, 26, 4891-4900.	1.7	142
98	Barrel Cortex Microcircuits: Thalamocortical Feedforward Inhibition in Spiny Stellate Cells Is Mediated by a Small Number of Fast-Spiking Interneurons. <i>Journal of Neuroscience</i> , 2006, 26, 1219-1230.	1.7	216
99	Intrinsic and Synaptic Dynamics Interact to Generate Emergent Patterns of Rhythmic Bursting in Thalamocortical Neurons. <i>Journal of Neuroscience</i> , 2006, 26, 4247-4255.	1.7	47
100	Impaired Cl ⁻ Extrusion in Layer V Pyramidal Neurons of Chronically Injured Epileptogenic Neocortex. <i>Journal of Neurophysiology</i> , 2005, 93, 2117-2126.	0.9	130
101	Polyamines Modulate AMPA Receptor-Dependent Synaptic Responses in Immature Layer V Pyramidal Neurons. <i>Journal of Neurophysiology</i> , 2005, 93, 2634-2643.	0.9	45
102	Inhibitory coupling specifically generates emergent gamma oscillations in diverse cell types. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18638-18643.	3.3	41
103	Reorganization of barrel circuits leads to thalamically-evoked cortical epileptiform activity. <i>Thalamus & Related Systems</i> , 2005, 3, 261.	0.5	13
104	Modulation of neocortical interneurons: extrinsic influences and exercises in self-control. <i>Trends in Neurosciences</i> , 2005, 28, 602-610.	4.2	124
105	T-Channel Defects in Patients with Childhood Absence Epilepsy. <i>Epilepsy Currents</i> , 2004, 4, 7-8.	0.4	1
106	Long-lasting self-inhibition of neocortical interneurons mediated by endocannabinoids. <i>Nature</i> , 2004, 431, 312-316.	13.7	266
107	Neurotransmitter Supply and Demand in Epilepsy. <i>Epilepsy Currents</i> , 2003, 3, 61-63.	0.4	6
108	Inhibitory Interconnections Control Burst Pattern and Emergent Network Synchrony in Reticular Thalamus. <i>Journal of Neuroscience</i> , 2003, 23, 8978-8988.	1.7	75

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109	Target-Specific Neuropeptide Y-Ergic Synaptic Inhibition and Its Network Consequences within the Mammalian Thalamus. <i>Journal of Neuroscience</i> , 2003, 23, 9639-9649.	1.7	55
110	Functional Autaptic Neurotransmission in Fast-Spiking Interneurons: A Novel Form of Feedback Inhibition in the Neocortex. <i>Journal of Neuroscience</i> , 2003, 23, 859-866.	1.7	153
111	Pathway-Specific Differences in Subunit Composition of Synaptic NMDA Receptors on Pyramidal Neurons in Neocortex. <i>Journal of Neuroscience</i> , 2003, 23, 10074-10083.	1.7	111
112	Intact Synaptic GABAergic Inhibition and Altered Neurosteroid Modulation of Thalamic Relay Neurons in Mice Lacking $\hat{\gamma}$ Subunit. <i>Journal of Neurophysiology</i> , 2003, 89, 1378-1386.	0.9	94
113	Vasoactive Intestinal Polypeptide and Pituitary Adenylate Cyclase-Activating Polypeptide Activate Hyperpolarization-Activated Cationic Current and Depolarize Thalamocortical Neurons <i>In Vitro</i> . <i>Journal of Neuroscience</i> , 2003, 23, 2751-2758.	1.7	48
114	Dynamic GABA _A Receptor Subtype-Specific Modulation of the Synchrony and Duration of Thalamic Oscillations. <i>Journal of Neuroscience</i> , 2003, 23, 3649-3657.	1.7	86
115	Actions of U-92032, a T-Type Ca ²⁺ Channel Antagonist, Support a Functional Linkage Between IT and Slow Intrathalamic Rhythms. <i>Journal of Neurophysiology</i> , 2003, 89, 177-185.	0.9	33
116	Baseline Glutamate Levels Affect Group I and II mGluRs in Layer V Pyramidal Neurons of Rat Sensorimotor Cortex. <i>Journal of Neurophysiology</i> , 2003, 89, 1308-1316.	0.9	49
117	Major Differences in Inhibitory Synaptic Transmission onto Two Neocortical Interneuron Subclasses. <i>Journal of Neuroscience</i> , 2003, 23, 9664-9674.	1.7	153
118	Differential modulation of synaptic transmission by neuropeptide Y in rat neocortical neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 17125-17130.	3.3	79
119	Sodium Channels. <i>Neuron</i> , 2002, 33, 492-494.	3.8	7
120	Prolactin-releasing peptide (PrRP) promotes awakening and suppresses absence seizures. <i>Neuroscience</i> , 2002, 114, 229-238.	1.1	41
121	A Developmental Switch of AMPA Receptor Subunits in Neocortical Pyramidal Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 3005-3015.	1.7	310
122	Somatostatin Inhibits Thalamic Network Oscillations <i>In Vitro</i> : Actions on the GABAergic Neurons of the Reticular Nucleus. <i>Journal of Neuroscience</i> , 2002, 22, 5374-5386.	1.7	62
123	Resilient RTN Fast Spiking in Kv3.1 Null Mice Suggests Redundancy in the Action Potential Repolarization Mechanism. <i>Journal of Neurophysiology</i> , 2002, 87, 1303-1310.	0.9	32
124	Synaptic Inhibition of Pyramidal Cells Evoked by Different Interneuronal Subtypes in Layer V of Rat Visual Cortex. <i>Journal of Neurophysiology</i> , 2002, 88, 740-750.	0.9	104
125	Reciprocal inhibition controls the oscillatory state in thalamic networks. <i>Neurocomputing</i> , 2002, 44-46, 653-659.	3.5	9
126	Block of T-Type Ca ²⁺ Channels Is an Important Action of Succinimide Antiabsence Drugs. <i>Epilepsy Currents</i> , 2002, 2, 49-52.	0.4	58

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127	It Takes T to Tango. <i>Neuron</i> , 2001, 31, 3-4.	3.8	10
128	The role of H-current in regulating strength and frequency of thalamic network oscillations. <i>Thalamus & Related Systems</i> , 2001, 1, 95-103.	0.5	25
129	GABAB and NMDA Receptors Contribute to Spindle-Like Oscillations in Rat Thalamus In Vitro. <i>Journal of Neurophysiology</i> , 2001, 86, 1365-1375.	0.9	95
130	Properties of Excitatory Synaptic Connections Mediated by the Corpus Callosum in the Developing Rat Neocortex. <i>Journal of Neurophysiology</i> , 2001, 86, 2973-2985.	0.9	79
131	The role of H-current in regulating strength and frequency of thalamic network oscillations. <i>Thalamus & Related Systems</i> , 2001, 1, 95.	0.5	35
132	Thalamocortical Circuits and Excitability. <i>Epilepsy Currents</i> , 2001, 1, 13-14.	0.4	6
133	Neuropeptide Y receptors differentially modulate Ca ^v protein-activated inwardly rectifying K ⁺ channels and high-voltage-activated Ca ²⁺ channels in rat thalamic neurons. <i>Journal of Physiology</i> , 2001, 531, 67-79.	1.3	82
134	Differential regulation of GABA release and neuronal excitability mediated by neuropeptide Y 1 and Y 2 receptors in rat thalamic neurons. <i>Journal of Physiology</i> , 2001, 531, 81-94.	1.3	61
135	Clonazepam suppresses oscillations in rat thalamic slices. <i>Neurocomputing</i> , 2001, 38-40, 907-913.	3.5	0
136	Circuit Mechanisms of Spike-Wave Discharge: Are There Similar Underpinnings for Centrottemporal Spikes?. <i>Epilepsia</i> , 2000, 41, 1076-1077.	2.6	18
137	Reciprocal inhibitory connections produce desynchronizing phase lags during intrathalamic oscillations. <i>Neurocomputing</i> , 2000, 32-33, 509-516.	3.5	3
138	Nonlinear thermodynamic models of voltage-dependent currents. <i>Journal of Computational Neuroscience</i> , 2000, 9, 259-270.	0.6	58
139	Voltage-Gated Potassium Channels Activated During Action Potentials in Layer V Neocortical Pyramidal Neurons. <i>Journal of Neurophysiology</i> , 2000, 83, 70-80.	0.9	81
140	Nucleus-Specific Differences in GABAA-Receptor-Mediated Inhibition Are Enhanced During Thalamic Development. <i>Journal of Neurophysiology</i> , 2000, 83, 350-358.	0.9	68
141	Reciprocal Inhibitory Connections Regulate the Spatiotemporal Properties of Intrathalamic Oscillations. <i>Journal of Neuroscience</i> , 2000, 20, 1735-1745.	1.7	90
142	Reliability of axonal propagation: The spike doesn't stop here. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 9349-9350.	3.3	25
143	Which Formalism to Use for Modeling Voltage- Dependent Conductances?. <i>Frontiers in Neuroscience</i> , 2000, , .	0.0	21
144	Long-range connections synchronize rather than spread intrathalamic oscillatory activity: Computational modeling and in vitro electrophysiology. <i>Neurocomputing</i> , 1999, 26-27, 525-531.	3.5	0

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145	Reciprocal Inhibitory Connections and Network Synchrony in the Mammalian Thalamus. <i>Science</i> , 1999, 283, 541-543.	6.0	340
146	GABA _A receptor-mediated currents in interneurons and pyramidal cells of rat visual cortex. <i>Journal of Physiology</i> , 1998, 506, 715-730.	1.3	123
147	Anatomical and physiological considerations in thalamic rhythm generation. <i>Journal of Sleep Research</i> , 1998, 7, 24-29.	1.7	13
148	Low-voltage-activated (T-type) calcium-channel genes identified. <i>Trends in Neurosciences</i> , 1998, 21, 451-452.	4.2	44
149	Cholinergic Switching Within Neocortical Inhibitory Networks. , 1998, 281, 985-988.		393
150	Dendritic Low-Threshold Calcium Currents in Thalamic Relay Cells. <i>Journal of Neuroscience</i> , 1998, 18, 3574-3588.	1.7	306
151	Localization of CCK Receptors in Thalamic Reticular Neurons: A Modeling Study. <i>Journal of Neurophysiology</i> , 1998, 79, 2820-2824.	0.9	8
152	Long-Range Connections Synchronize Rather Than Spread Intrathalamic Oscillations: Computational Modeling and In Vitro Electrophysiology. <i>Journal of Neurophysiology</i> , 1998, 80, 1736-1751.	0.9	15
153	Dendritic Calcium Currents in Thalamic Relay Cells. , 1998, , 233-238.		6
154	Peptidergic Modulation of Intrathalamic Circuit Activity <i>In Vitro</i> : Actions of Cholecystokinin. <i>Journal of Neuroscience</i> , 1997, 17, 70-82.	1.7	46
155	Nucleus reticularis neurons mediate diverse inhibitory effects in thalamus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 8854-8859.	3.3	143
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