Christophe Bernard

List of Publications by Year
in descending order

177 papers	11,660 citations	41344 49 h-index	33894 99 g-index
200 all docs	200 docs citations	200 times ranked	12563 citing authors

#	Article	IF	Citations
1	A unified physiological framework of transitions between seizures, sustained ictal activity and depolarization block at the single neuron level. Journal of Computational Neuroscience, 2022, 50, 33-49.	1.0	15
2	Everything You Always Wanted to Say about Science (But Were Afraid to Publish). ENeuro, 2022, 9, ENEURO.0115-22.2022.	1.9	1
3	Doing Socially Responsible Science in the Age of Selfies and Immediacy. ENeuro, 2022, 9, ENEURO.0114-22.2022.	1.9	0
4	Comment le cerveau Ã©limine les synapses surnumÃ©raires auÂcours du dÃ©veloppement. Medecine/Sciences, 2022, 38, 511-513.	0.2	0
5	Circadian/multidien Molecular Oscillations and Rhythmicity of Epilepsy (MORE). Epilepsia, 2021, 62, S49-S68.	5.1	15
6	Design and Operation of Hybrid Microfluidic Iontronic Probes for Regulated Drug Delivery. Advanced Materials Technologies, 2021, 6, 2001006.	5.8	6
7	Seizures: About the right time to explore their mechanisms. Epilepsia, 2021, 62, S1.	5.1	0
8	The Kainic Acid Models of Temporal Lobe Epilepsy. ENeuro, 2021, 8, ENEURO.0337-20.2021.	1.9	86
9	Cycles in epilepsy. Nature Reviews Neurology, 2021, 17, 267-284.	10.1	146
10	Estimation Statistics, One Year Later. ENeuro, 2021, 8, ENEURO.0091-21.2021.	1.9	11
11	Spatio-temporal heterogeneity in hippocampal metabolism in control and epilepsy conditions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
12	The Beauty and the Beast. ENeuro, 2021, 8, ENEURO.0142-21.2021.	1.9	2
13	Antiseizure effects of Anacyclus pyrethrum in socially isolated rats with and without a positive handling strategy. Epilepsia, 2021, 62, 2551-2564.	5.1	2
14	Assessment of the Use of Multi-Channel Organic Electrodes to Record ENG on Small Nerves: Application to Phrenic Nerve Burst Detection. Sensors, 2021, 21, 5594.	3.8	1
15	Modeling seizures: From single neurons to networks. Seizure: the Journal of the British Epilepsy Association, 2021, 90, 4-8.	2.0	20
16	Neuronal Cascades Shape Whole-Brain Functional Dynamics at Rest. ENeuro, 2021, 8, ENEURO.0283-21.2021.	1.9	34
17	Convergence of adenosine and GABA signaling for synapse stabilization during development. Science, 2021, 374, eabk2055.	12.6	44
18	The circadian dynamics of the hippocampal transcriptome and proteome is altered in experimental temporal lobe epilepsy. Science Advances, 2020, 6, .	10.3	50

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19	Dynamic core-periphery structure of information sharing networks in entorhinal cortex and hippocampus. Network Neuroscience, 2020, 4, 946-975.	2.6	17
20	Active direct current (DC) shifts and â€œRed slowâ€• two new concepts for seizure mechanisms and identification of the epileptogenic zone. Neuroscience Research, 2020, 156, 95-101.	1.9	33
21	In Vivo Characterization of Neurophysiological Diversity in the Lateral Supramammillary Nucleus during Hippocampal Sharp-wave Ripples of Adult Rats. Neuroscience, 2020, 435, 95-111.	2.3	5
22	Optogenetics: Keep Interpretations Light. ENeuro, 2020, 7, ENEURO.0091-20.2020.	1.9	9
23	Calling Names. ENeuro, 2020, 7, ENEURO.0314-20.2020.	1.9	2
24	The Epileptor Model: A Systematic Mathematical Analysis Linked to the Dynamics of Seizures, Refractory Status Epilepticus, and Depolarization Block. ENeuro, 2020, 7, ENEURO.0485-18.2019.	1.9	46
25	On Fallacies in Neuroscience. ENeuro, 2020, 7, ENEURO.0491-20.2020.	1.9	13
26	Cell Assemblies in the Cortico-Hippocampal-Reuniens Network during Slow Oscillations. Journal of Neuroscience, 2020, 40, 8343-8354.	3.6	11
27	A taxonomy of seizure dynamotypes. ELife, 2020, 9, .	6.0	86
28	Postictal stereoâ€‹scp›EEG‹/scp› changes following bilateral tonicâ€‹clonic seizures. Epilepsia, 2019, 60, 1743-1745.	5.1	6
29	On the interpretation of results obtained in singly housed animals. Epilepsia, 2019, 60, 2013-2015.	5.1	7
30	Caffeine Consumption During Pregnancy Accelerates the Development of Cognitive Deficits in Offspring in a Model of Tauopathy. Frontiers in Cellular Neuroscience, 2019, 13, 438.	3.7	15
31	Monitoring fluorescent calcium signals in neural cells with organic photodetectors. Journal of Materials Chemistry C, 2019, 7, 9049-9056.	5.5	7
32	Computing hubs in the hippocampus and cortex. Science Advances, 2019, 5, eaax4843.	10.3	26
33	Antioxidant treatment after epileptogenesis onset prevents comorbidities in rats sensitized by a past stressful event. Epilepsia, 2019, 60, 648-655.	5.1	17
34	Endogenous multidien rhythm of epilepsy in rats. Experimental Neurology, 2019, 315, 82-87.	4.1	56
35	Individual structural features constrain the mouse functional connectome. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26961-26969.	7.1	66
36	Postictal electroencephalographic (‹scp›EEG‹/scp›) suppression: A stereoâ€‹scp›EEG‹/scp› study of 100 focal to bilateral tonicâ€“clonic seizures. Epilepsia, 2019, 60, 63-73.	5.1	26

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37	Effects of Single Cage Housing on Stress, Cognitive, and Seizure Parameters in the Rat and Mouse Pilocarpine Models of Epilepsy. ENeuro, 2019, 6, ENEURO.0179-18.2019.	1.9	100
38	Changing the Way We Report, Interpret, and Discuss Our Results to Rebuild Trust in Our Research. ENeuro, 2019, 6, ENEURO.0259-19.2019.	1.9	34
39	Thank Youâ€"A Thousand Times. ENeuro, 2019, 6, ENEURO.0174-19.2019.	1.9	0
40	Open Source Tools and Methods. ENeuro, 2019, 6, ENEURO.0342-19.2019.	1.9	0
41	The Good Reviewer's Guide to the Publishing Galaxy. ENeuro, 2019, 6, ENEURO.0362-19.2019.	1.9	0
42	The Nucleus Reuniens Controls Long-Range Hippocampoâ€"Prefrontal Gamma Synchronization during Slow Oscillations. Journal of Neuroscience, 2018, 38, 3026-3038.	3.6	48
43	Monitoring Intrinsic Optical Signals in Brain Tissue with Organic Photodetectors. Advanced Materials Technologies, 2018, 3, 1700333.	5.8	23
44	Neuroinflammation Alters Integrative Properties of Rat Hippocampal Pyramidal Cells. Molecular Neurobiology, 2018, 55, 7500-7511.	4.0	36
45	Commonalities in epileptogenic processes from different acute brain insults: Do they translate?. Epilepsia, 2018, 59, 37-66.	5.1	206
46	Sheep pox in Tunisia: Current status and perspectives. Transboundary and Emerging Diseases, 2018, 65, 50-63.	3.0	13
47	MULAN: Evaluation and ensemble statistical inference for functional connectivity. NeuroImage, 2018, 166, 167-184.	4.2	16
48	PEDOT:PSS electrodes for acute experimental evaluation of vagus nerve stimulation on rodents. , 2018, 2018, 4760-4763.		4
49	How do we use inÂvitro models to understand epileptiform and ictal activity? A report of the <scp>TASK</scp>1â€<scp>WG</scp>4 group of the <scp>ILAE</scp>/<scp>AES</scp> Joint Translational Task Force. Epilepsia Open, 2018, 3, 460-473.	2.4	17
50	A bilayered PVA/PLGA-bioresorbable shuttle to improve the implantation of flexible neural probes. Journal of Neural Engineering, 2018, 15, 065001.	3.5	47
51	Electrophoretic drug delivery for seizure control. Science Advances, 2018, 4, eaau1291.	10.3	118
52	Editorial: Rethinking the Failure to Replicate. ENeuro, 2018, 5, ENEURO.0042-18.2018.	1.9	1
53	Editorial: Introducing Registered Reports. ENeuro, 2018, 5, ENEURO.0089-18.2018.	1.9	1
54	Multimodal Characterization of Neural Networks Using Highly Transparent Electrode Arrays. ENeuro, 2018, 5, ENEURO.0187-18.2018.	1.9	25

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55	Editorial: Gender Bias in Publishing: Double-Blind Reviewing as a Solution?. ENeuro, 2018, 5, ENEURO.0225-18.2018.	1.9	22
56	Diversity: The Art of Reviewing Independently Together. ENeuro, 2018, 5, ENEURO.0350-18.2018.	1.9	0
57	Editorial: Acknowledging Those Who Did the Work. ENeuro, 2018, 5, ENEURO.0490-18.2018.	1.9	1
58	Common data elements and data management: Remedy to cure underpowered preclinical studies. Epilepsy Research, 2017, 129, 87-90.	1.6	35
59	Molecular detection methods of resistance to antituberculosis drugs in Mycobacterium tuberculosis. MÃ©decine Et Maladies Infectieuses, 2017, 47, 340-348.	5.0	11
60	Dysfunction of the redox-sensitive transcription factor Nrf2 in vulnerable animals. Molecular Psychiatry, 2017, 22, 1655-1655.	7.9	0
61	Methodological standards for inÂvitro models of epilepsy and epileptic seizures. A <scp>TASK</scp>1â€<scp>WG</scp>4 report of the <scp>AES</scp>/<scp>ILAE</scp> Translational Task Force of the ILAE. Epilepsia, 2017, 58, 40-52.	5.1	31
62	The Virtual Epileptic Patient: Individualized whole-brain models of epilepsy spread. NeuroImage, 2017, 145, 377-388.	4.2	315
63	Nrf2-dependent persistent oxidative stress results in stress-induced vulnerability to depression. Molecular Psychiatry, 2017, 22, 1701-1713.	7.9	167
64	The Safety of Ingested Caffeine: A Comprehensive Review. Frontiers in Psychiatry, 2017, 8, 80.	2.6	301
65	Fastâ€“Slow Bursters in the Unfolding of a High Codimension Singularity and the Ultra-slow Transitions of Classes. Journal of Mathematical Neuroscience, 2017, 7, 7.	2.4	60
66	Hippocampus In Vitro. , 2017, , 261-272.		2
67	Early-life exposure to caffeine affects the construction and activity of cortical networks in mice. Experimental Neurology, 2017, 295, 88-103.	4.1	29
68	Editorial: A Message from the Editor-in-Chief. ENeuro, 2017, 4, ENEURO.0023-17.2017.	1.9	1
69	The Virtual Mouse Brain: A Computational Neuroinformatics Platform to Study Whole Mouse Brain Dynamics. ENeuro, 2017, 4, ENEURO.0111-17.2017.	1.9	51
70	Seizure Forecasting from Idea to Reality. Outcomes of the My Seizure Gauge Epilepsy Innovation Institute Workshop. ENeuro, 2017, 4, ENEURO.0349-17.2017.	1.9	86
71	Editorial: Experimental Bias in Electrophysiological Studies. ENeuro, 2017, 4, ENEURO.0432-17.2017.	1.9	2
72	Editorial: Acknowledging Our Work as Reviewers. ENeuro, 2017, 4, ENEURO.0031-17.2017.	1.9	0

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73	Editorial: Extended Data at eNeuro. ENeuro, 2017, 4, ENEURO.0103-17.2017.	1.9	0
74	Editorial: eNeuro Offers a Unique Interactive Experience to Reviewer Training. ENeuro, 2017, 4, ENEURO.0157-17.2017.	1.9	0
75	Editorial: Code Case - Investigating Transparency and Reproducibility. ENeuro, 2017, 4, ENEURO.0233-17.2017.	1.9	2
76	Editorial: Transparency Must Prevail. ENeuro, 2017, 4, ENEURO.0300-17.2017.	1.9	0
77	Editorial: Improving the Way Science is Done, Evaluated, and Published. ENeuro, 2017, 4, ENEURO.0373-17.2017.	1.9	0
78	Low Î²2 Main Peak Frequency in the Electroencephalogram Signs Vulnerability to Depression. Frontiers in Neuroscience, 2016, 10, 495.	2.8	13
79	Editorial: Introducing Research Resource Identification Initiative at eNeuro. ENeuro, 2016, 3, ENEURO.0046-16.2016.	1.9	0
80	Understanding and Predicting Epilepsy [Life Sciences]. IEEE Signal Processing Magazine, 2016, 33, 90-95.	5.6	7
81	SfN Journals: Two Paths, One Goal: Sharing Strong Science. Journal of Neuroscience, 2016, 36, 7075-7075.	3.6	1
82	Bioelectronic neural pixel: Chemical stimulation and electrical sensing at the same site. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9440-9445.	7.1	107
83	Autoclave Sterilization of PEDOT:PSS Electrophysiology Devices. Advanced Healthcare Materials, 2016, 5, 3094-3098.	7.6	46
84	<scp>WONOEP</scp> appraisal: Molecular and cellular biomarkers for epilepsy. Epilepsia, 2016, 57, 1354-1362.	5.1	81
85	Virtual Brain for neurological disease modeling. Drug Discovery Today: Disease Models, 2016, 19, 5-10.	1.2	5
86	The Diathesisâ€“Epilepsy Model: How Past Events Impact the Development of Epilepsy and Comorbidities. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a022418.	6.2	19
87	Interneurons contribute to the hemodynamic/metabolic response to epileptiform discharges. Journal of Neurophysiology, 2016, 115, 1157-1169.	1.8	8
88	Animal models of temporal lobe epilepsy following systemic chemoconvulsant administration. Journal of Neuroscience Methods, 2016, 260, 45-52.	2.5	201
89	Selective Activation of Resting-State Networks following Focal Stimulation in a Connectome-Based Network Model of the Human Brain. ENeuro, 2016, 3, ENEURO.0068-16.2016.	1.9	80
90	Editorial: Scientific Rigor or Rigor Mortis?. ENeuro, 2016, 3, ENEURO.0176-16.2016.	1.9	3

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91	SfN Journals: Two Paths, One Goal: Sharing Strong Science. ENeuro, 2016, 3, ENEURO.0154-16.2016.	1.9	0
92	â€œIch bin ein Reviewerâ€•(â€œI am a Reviewerâ€). ENeuro, 2016, 3, ENEURO.0277-16.2016.	1.9	0
93	Editorial: Letter of Recommendation. ENeuro, 2016, 3, ENEURO.0357-16.2016.	1.9	0
94	Localized Neuron Stimulation with Organic Electrochemical Transistors on Delaminating Depth Probes. Advanced Materials, 2015, 27, 4405-4410.	21.0	139
95	Predicting and treating stressâ€induced vulnerability to epilepsy and depression. Annals of Neurology, 2015, 78, 128-136.	5.3	62
96	High-performance transistors for bioelectronics through tuning of channel thickness. Science Advances, 2015, 1, e1400251.	10.3	501
97	Metabolic responses differentiate between interictal, ictal and persistent epileptiform activity in intact, immature hippocampus in vitro. Neurobiology of Disease, 2015, 75, 1-14.	4.4	21
98	Seizures, refractory status epilepticus, and depolarization block as endogenous brain activities. Physical Review E, 2015, 91, 010701.	2.1	54
99	Computational Modeling of Seizure Dynamics Using Coupled Neuronal Networks: Factors Shaping Epileptiform Activity. PLoS Computational Biology, 2015, 11, e1004209.	3.2	53
100	Controlling Epileptiform Activity with Organic Electronic Ion Pumps. Advanced Materials, 2015, 27, 3138-3144.	21.0	138
101	Spreading depression: Epilepsyâ€™s wave of death. Science Translational Medicine, 2015, 7, 282fs14.	12.4	11
102	Treatment during a vulnerable developmental period rescues a genetic epilepsy. Nature Medicine, 2015, 21, 1436-1444.	30.7	104
103	A glucose sensor via stable immobilization of the GOx enzyme on an organic transistor using a polymer brush. Journal of Polymer Science Part A, 2015, 53, 372-377.	2.3	58
104	A systematic framework for functional connectivity measures. Frontiers in Neuroscience, 2014, 8, 405.	2.8	279
105	Modern Concepts of Seizure Modeling. International Review of Neurobiology, 2014, 114, 121-153.	2.0	14
106	Permittivity Coupling across Brain Regions Determines Seizure Recruitment in Partial Epilepsy. Journal of Neuroscience, 2014, 34, 15009-15021.	3.6	109
107	On the nature of seizure dynamics. Brain, 2014, 137, 2210-2230.	7.6	598
108	The transcription factor NRSF contributes to epileptogenesis by selective repression of a subset of target genes. ELife, 2014, 3, e01267.	6.0	115

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109	Modeling epileptic dynamics in the hippocampus using a multiscale approach. BMC Neuroscience, 2013, 14, .	1.9	0
110	In vivo recordings of brain activity using organic transistors. Nature Communications, 2013, 4, 1575.	12.8	776
111	Adenosine Receptor Antagonists Including Caffeine Alter Fetal Brain Development in Mice. Science Translational Medicine, 2013, 5, 197ra104.	12.4	148
112	Differential Dorso-ventral Distributions of Kv4.2 and HCN Proteins Confer Distinct Integrative Properties to Hippocampal CA1 Pyramidal Cell Distal Dendrites. Journal of Biological Chemistry, 2012, 287, 17656-17661.	3.4	43
113	Brain State Dependent Postinhibitory Rebound in Entorhinal Cortex Interneurons. Journal of Neuroscience, 2012, 32, 6501-6510.	3.6	14
114	Plastic neuronal probes for implantation in cortical and subcortical areas of the rat brain. International Journal of Nanotechnology, 2012, 9, 517.	0.2	8
115	Excitatory GABA: How a Correct Observation May Turn Out to be an Experimental Artifact. Frontiers in Pharmacology, 2012, 3, 65.	3.5	60
116	Treating Epilepsy with a Light Potassium Diet. Science Translational Medicine, 2012, 4, 161fs40.	12.4	4
117	Hub GABA Neurons Mediate Gamma-Frequency Oscillations at Ictal-like Event Onset in the Immature Hippocampus. Neuron, 2012, 74, 57-64.	8.1	47
118	Brain state-dependent neuronal computation. Frontiers in Computational Neuroscience, 2012, 6, 77.	2.1	16
119	Dorsoventral Differences in Intrinsic Properties in Developing CA1 Pyramidal Cells. Journal of Neuroscience, 2012, 32, 3736-3747.	3.6	42
120	Changes in interictal spike features precede the onset of temporal lobe epilepsy. Annals of Neurology, 2012, 71, 805-814.	5.3	87
121	Towards an integrated view of HCN channel role in epilepsy. Current Opinion in Neurobiology, 2011, 21, 873-879.	4.2	95
122	Neuronâ€restrictive silencer factorâ€mediated hyperpolarizationâ€activated cyclic nucleotide gated channelopathy in experimental temporal lobe epilepsy. Annals of Neurology, 2011, 70, 454-465.	5.3	163
123	Highly Conformable Conducting Polymer Electrodes for In Vivo Recordings. Advanced Materials, 2011, 23, H268-72.	21.0	319
124	Vulnerability to Depression: From Brain Neuroplasticity to Identification of Biomarkers. Journal of Neuroscience, 2011, 31, 12889-12899.	3.6	154
125	Investigation of Linear Coupling Between Single-Event Blood Flow Responses and Interictal Discharges in a Model of Experimental Epilepsy. Journal of Neurophysiology, 2010, 103, 3139-3152.	1.8	23
126	Alterations in synaptic function in epilepsy. Epilepsia, 2010, 51, 42-42.	5.1	8

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127	Using Monte-Carlo-Simulated Radiation Transport to Calculate Dose Distribution in Rats before Irradiation with Leksell Gamma KnifeÂ® 4C: Technical Note. Stereotactic and Functional Neurosurgery, 2010, 88, 208-215.	1.5	5
128	The Functional and Structural Impact of Epileptic Seizures on the Adult Brain. , 2010, , 329-334.		1
129	Impaired consciousness during temporal lobe seizures is related to increased long-distance corticalâ€“subcortical synchronization. Brain, 2009, 132, 2091-2101.	7.6	201
130	Early Deficits in Spatial Memory and Theta Rhythm in Experimental Temporal Lobe Epilepsy. Journal of Neuroscience, 2009, 29, 5402-5410.	3.6	189
131	h channel-dependent deficit of theta oscillation resonance and phase shift in temporal lobe epilepsy. Neurobiology of Disease, 2009, 33, 436-447.	4.4	129
132	NeurostÃ©roÃ¯des etÂÃ©pilepsie. Epilepsies, 2009, 21, 367-373.	0.0	0
133	GABA | Plasticity of GABAergic Systems during Epileptogenesis. , 2009, , 308-314.		0
134	Nos modÃ¨les etÂconcepts sont-ils opÃ©rants?. Epilepsies, 2009, 21, 268-271.	0.0	0
135	Cell domain-dependent changes in the glutamatergic and GABAergic drives during epileptogenesis in the rat CA1 region. Journal of Physiology, 2007, 578, 193-211.	2.9	86
136	Hyperexcitability of the CA1 Hippocampal Region during Epileptogenesis. Epilepsia, 2007, 48, 131-139.	5.1	44
137	Dendrites and disease. , 2007, , 531-550.		8
138	Interneurons targeting similar layers receive synaptic inputs with similar kinetics. Hippocampus, 2006, 16, 408-420.	1.9	35
139	Hippocampal Slices: Designing and Interpreting Studies in Epilepsy Research. , 2006, , 59-72.		8
140	Dogma and dreams: experimental lessons for epilepsy mechanism chasers. Cellular and Molecular Life Sciences, 2005, 62, 1177-1181.	5.4	10
141	Altering cannabinoid signaling during development disrupts neuronal activity. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9388-9393.	7.1	126
142	Multiple facets of GABAergic neurons and synapses: multiple fates of GABA signalling in epilepsies. Trends in Neurosciences, 2005, 28, 108-115.	8.6	292
143	Acquired Dendritic Channelopathy in Temporal Lobe Epilepsy. Science, 2004, 305, 532-535.	12.6	402
144	Distance-Dependent Modifiable Threshold for Action Potential Back-Propagation in Hippocampal Dendrites. Journal of Neurophysiology, 2003, 90, 1807-1816.	1.8	47

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145	Membrane Potential of CA3 Hippocampal Pyramidal Cells During Postnatal Development. Journal of Neurophysiology, 2003, 90, 2964-2972.	1.8	190
146	Changes in neuronal excitability and synaptic function in a chronic model of temporal lobe epilepsy. Neuroscience, 2001, 103, 17-26.	2.3	15
147	Presynaptic Kainate Receptors that Enhance the Release of GABA on CA1 Hippocampal Interneurons. Neuron, 2001, 29, 497-508.	8.1	147
148	Early Development of Neuronal Activity in the Primate HippocampusIn Utero. Journal of Neuroscience, 2001, 21, 9770-9781.	3.6	219
149	Dendritic but not somatic GABAergic inhibition is decreased in experimental epilepsy. Nature Neuroscience, 2001, 4, 52-62.	14.8	506
150	Un dÃ©sÃ©quilibre sÃ©lectif entre excitation et inhibition dendritique pourrait expliquer la genÃ¨se des crises d'Ã©pilepsie.. Medecine/Sciences, 2001, 17, 141.	0.2	0
151	What is GABAergic Inhibition? How Is it Modified in Epilepsy?. Epilepsia, 2000, 41, S90-S95.	5.1	104
152	Distribution of spontaneous currents along the somato-dendritic axis of rat hippocampal CA1 pyramidal neurons. Neuroscience, 2000, 99, 593-603.	2.3	37
153	Deficit of quantal release of GABA in experimental models of temporal lobe epilepsy. Nature Neuroscience, 1999, 2, 499-500.	14.8	99
154	Newly formed excitatory pathways provide a substrate for hyperexcitability in experimental temporal lobe epilepsy. , 1999, 408, 449-460.		232
155	GluR5 kainate receptor activation in interneurons increases tonic inhibition of pyramidal cells. Nature Neuroscience, 1998, 1, 470-478.	14.8	284
156	Interneurones are not so dormant in temporal lobe epilepsy: a critical reappraisal of the dormant basket cell hypothesis. Epilepsy Research, 1998, 32, 93-103.	1.6	70
157	Pro-epileptic changes in synaptic function can be accompanied by pro-epileptic changes in neuronal excitability. Trends in Neurosciences, 1998, 21, 167-174.	8.6	46
158	Reversal of excitatory postsynaptic potential/spike potentiation in the CA1 area of the rat hippocampus. Neuroscience, 1998, 86, 431-436.	2.3	8
159	Operative GABAergic inhibition in hippocampal CA1 pyramidal neurons in experimental epilepsy. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 12151-12156.	7.1	123
160	Redox modulation of synaptic responses and plasticity in rat CA1 hippocampal neurons. Experimental Brain Research, 1997, 113, 343-352.	1.5	34
161	Epileptiform activity but not synaptic plasticity is blocked by oxidation of NMDA receptors in a chronic model of temporal lobe epilepsy. Epilepsy Research, 1997, 26, 373-380.	1.6	6
162	Model of spatio-temporal propagation of action potentials in the Schaffer collateral pathway of the CA1 area of the rat hippocampus. , 1997, 7, 58-72.		12

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163	Redox sites of NMDA receptors can modulate epileptiform activity in hippocampal slices from kainic acid-treated rats. Neuroscience Letters, 1996, 212, 171-174.	2.1	18
164	A role for synaptic and network plasticity in controlling epileptiform activity in CA1 in the kainic acid-lesioned rat hippocampus in vitro.. Journal of Physiology, 1996, 495, 127-142.	2.9	28
165	Plasticity of AMPA and NMDA receptor-mediated epileptiform activity in a chronic model of temporal lobe epilepsy. Epilepsy Research, 1995, 21, 95-107.	1.6	38
166	Simultaneous Expression of Long-term Depression of NMDA and Long-term Potentiation of AMPA Receptor-mediated Synaptic Responses in the CA1 Area of the Kainic Acid-lesioned Hippocampus. European Journal of Neuroscience, 1995, 7, 1651-1655.	2.6	22
167	Expression of EPSP/spike potentiation following low frequency and tetanic stimulation in the CA1 area of the rat hippocampus. Journal of Neuroscience, 1995, 15, 6542-6551.	3.6	34
168	Non-involvement of the redox site of NMDA receptors in bidirectional synaptic plasticity in the CA1 area of the rat hippocampus in vitro. Neuroscience Letters, 1995, 193, 197-200.	2.1	4
169	Simultaneous expression of excitatory postsynaptic potential/spike potentiation and excitatory postsynaptic potential/spike depression in the hippocampus. Neuroscience, 1995, 67, 73-82.	2.3	16
170	Synaptic integration of NMDA and non-NMDA receptors in large neuronal network models solved by means of differential equations. Biological Cybernetics, 1994, 70, 267-273.	1.3	21
171	Model of local connectivity patterns in CA3 and CA1 areas of the hippocampus. Hippocampus, 1994, 4, 497-529.	1.9	60
172	Synaptic integration of NMDA and non-NMDA receptors in large neuronal network models solved by means of differential equations. Biological Cybernetics, 1994, 70, 267-273.	1.3	4
173	Effects of recurrent collateral inhibition on Purkinje cell activity in the immature rat cerebellar cortex - an in vivo electrophysiological study. Brain Research, 1993, 626, 234-258.	2.2	13
174	Effects of collateral inhibition in a model of the immature rat cerebellar cortex: multineuron correlations. Cognitive Brain Research, 1993, 1, 100-122.	3.0	9
175	Propagation of parallel fiber volleys in the cerebellar cortex: a computer simulation. Brain Research, 1991, 565, 195-208.	2.2	17
176	Optimal approximation of square integrable functions by a flexible one-hidden-layer neural network of excitatory and inhibitory neuron pairs. Neural Networks, 1991, 4, 803-815.	5.9	10
177	Global changes in entropy and in spatial organisation of activity in a network of formal neurons with inhibitory interactions. Neural Networks, 1988, 1, 238.	5.9	2