Bradley E Alger

List of Publications by Year
in descending order

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63	4,554	117625	123424
papers	citations	34 h-index	61 g-index

63	63	63	3971
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Scientific Hypothesis-Testing Strengthens Neuroscience Research. ENeuro, 2020, 7, ENEURO.0357-19.2020.	1.9	3
2	Homer Proteinâ€“Metabotropic Glutamate Receptor Binding Regulates Endocannabinoid Signaling and Affects Hyperexcitability in a Mouse Model of Fragile X Syndrome. Journal of Neuroscience, 2015, 35, 3938-3945.	3.6	34
3	Weeding out bad waves: towards selective cannabinoid circuit control in epilepsy. Nature Reviews Neuroscience, 2015, 16, 264-277.	10.2	124
4	Seizing an Opportunity for the Endocannabinoid System. Epilepsy Currents, 2014, 14, 272-276.	0.8	22
5	Developmental increase in hippocampal endocannabinoid mobilization: role of metabotropic glutamate receptor subtype 5 and phospholipase C. Journal of Neurophysiology, 2014, 112, 2605-2615.	1.8	7
6	Interlamellar CA1 network in the hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12919-12924.	7.1	63
7	Optogenetic identification of an intrinsic cholinergically driven inhibitory oscillator sensitive to cannabinoids and opioids in hippocampal CA1. Journal of Physiology, 2014, 592, 103-123.	2.9	37
8	Evidence of calcium-permeable AMPA receptors in dendritic spines of CA1 pyramidal neurons. Journal of Neurophysiology, 2014, 112, 263-275.	1.8	17
9	Muscarinic cholinergic receptors modulate inhibitory synaptic rhythms in hippocampus and neocortex. Frontiers in Synaptic Neuroscience, 2014, 6, 18.	2.5	36
10	Acute restraint stress enhances hippocampal endocannabinoid function via glucocorticoid receptor activation. Journal of Psychopharmacology, 2012, 26, 56-70.	4.0	120
11	Do cannabinoids reduce brain power?. Nature Neuroscience, 2012, 15, 499-501.	14.8	7
12	Endocannabinoids at the synapse a decade after the dies mirabilis (29 March 2001): what we still do not know. Journal of Physiology, 2012, 590, 2203-2212.	2.9	71
13	An Improved Test for Detecting Multiplicative Homeostatic Synaptic Scaling. PLoS ONE, 2012, 7, e37364.	2.5	33
14	Dendritic Hold and Read: A Gated Mechanism for Short Term Information Storage and Retrieval. PLoS ONE, 2012, 7, e37542.	2.5	14
15	Supply and demand for endocannabinoids. Trends in Neurosciences, 2011, 34, 304-315.	8.6	231
16	Endocannabinoids Generated by Ca2+ or by Metabotropic Glutamate Receptors Appear to Arise from Different Pools of Diacylglycerol Lipase. PLoS ONE, 2011, 6, e16305.	2.5	35
17	Nerve Terminal Nicotinic Acetylcholine Receptors Initiate Quantal GABA Release from Perisomatic Interneurons by Activating Axonal T-Type (Ca_v3) Ca²⁺Channels and Ca²⁺Release from Stores. Journal of Neuroscience, 2011, 31, 13546-13561.	3.6	84
18	The Depolarizing Action of GABA in Cultured Hippocampal Neurons Is Not Due to the Absence of Ketone Bodies. PLoS ONE, 2011, 6, e23020.	2.5	6

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19	Optogenetic Release of ACh Induces Rhythmic Bursts of Perisomatic IPSCs in Hippocampus. PLoS ONE, 2011, 6, e27691.	2.5	48
20	Reduction in endocannabinoid tone is a homeostatic mechanism for specific inhibitory synapses. Nature Neuroscience, 2010, 13, 592-600.	14.8	132
21	Enhanced Endocannabinoid Signaling Elevates Neuronal Excitability in Fragile X Syndrome. Journal of Neuroscience, 2010, 30, 5724-5729.	3.6	96
22	Novel mGluR- and CB1R-Independent Suppression of GABA Release Caused by a Contaminant of the Group I Metabotropic Glutamate Receptor Agonist, DHPG. PLoS ONE, 2009, 4, e6122.	2.5	2
23	Endocannabinoid Signaling in Neural Plasticity. Current Topics in Behavioral Neurosciences, 2009, 1, 141-172.	1.7	21
24	Synaptic Cross Talk between Perisomatic-Targeting Interneuron Classes Expressing Cholecystokinin and Parvalbumin in Hippocampus. Journal of Neuroscience, 2009, 29, 4140-4154.	3.6	116
25	Distinctions among GABAA and GABAB responses revealed by calcium channel antagonists, cannabinoids, opioids, and synaptic plasticity in rat hippocampus. Psychopharmacology, 2008, 198, 539-549.	3.1	14
26	Cholecystokinin inhibits endocannabinoid-sensitive hippocampal IPSPs and stimulates others. Neuropharmacology, 2008, 54, 117-128.	4.1	51
27	Metaplastic control of the endocannabinoid system at inhibitory synapses in hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8142-8147.	7.1	54
28	Not Too Excited? Thank Your Endocannabinoids. Neuron, 2006, 51, 393-395.	8.1	13
29	Multiple Mechanisms of Endocannabinoid Response Initiation in Hippocampus. Journal of Neurophysiology, 2006, 95, 67-75.	1.8	109
30	Ryanodine Receptor Regulates Endogenous Cannabinoid Mobilization in the Hippocampus. Journal of Neurophysiology, 2006, 95, 3001-3011.	1.8	54
31	Regulation of IPSP Theta Rhythm by Muscarinic Receptors and Endocannabinoids in Hippocampus. Journal of Neurophysiology, 2005, 94, 4290-4299.	1.8	36
32	Retrograde endocannabinoid regulation of GABAergic inhibition in the rat dentate gyrus granule cell. Journal of Physiology, 2005, 567, 1001-1010.	2.9	58
33	Endocannabinoid Signaling Dynamics Probed with Optical Tools. Journal of Neuroscience, 2005, 25, 9449-9459.	3.6	60
34	Endocannabinoid Identification in the Brain: Studies of Breakdown Lead to Breakthrough, and There May Be NO Hope. Science Signaling, 2005, 2005, pe51-pe51.	3.6	21
35	Novel Form of LTD Induced by Transient, Partial Inhibition of the Na,K-Pump in Rat Hippocampal CA1 Cells. Journal of Neurophysiology, 2004, 91, 239-247.	1.8	27
36	Endocannabinoids: Getting the message across. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8512-8513.	7.1	32

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37	Endocannabinoids and Their Implications for Epilepsy. Epilepsy Currents, 2004, 4, 169-173.	0.8	51
38	Inhibition of cyclooxygenase-2 potentiates retrograde endocannabinoid effects in hippocampus. Nature Neuroscience, 2004, 7, 697-698.	14.8	231
39	The Brain's Own Marijuana. Scientific American, 2004, 291, 68-75.	1.0	42
40	Regulation of Exocytosis from Single Visualized GABAergic Boutons in Hippocampal Slices. Journal of Neuroscience, 2003, 23, 10475-10486.	3.6	41
41	Mechanisms of Neuronal Hyperexcitability Caused by Partial Inhibition of Na+-K+-ATPases in the Rat CA1 Hippocampal Region. Journal of Neurophysiology, 2002, 88, 2963-2978.	1.8	117
42	Presynaptic factors in the regulation of DSI expression in hippocampus. Neuropharmacology, 2002, 43, 550-562.	4.1	39
43	Retrograde signaling in the regulation of synaptic transmission: focus on endocannabinoids. Progress in Neurobiology, 2002, 68, 247-286.	5.7	531
44	Activation of Muscarinic Acetylcholine Receptors Enhances the Release of Endogenous Cannabinoids in the Hippocampus. Journal of Neuroscience, 2002, 22, 10182-10191.	3.6	279
45	Endocannabinoids facilitate the induction of LTP in the hippocampus. Nature Neuroscience, 2002, 5, 723-724.	14.8	296
46	Direct Depolarization and Antidromic Action Potentials Transiently Suppress Dendritic IPSPs in Hippocampal CA1 Pyramidal Cells. Journal of Neurophysiology, 2001, 85, 480-484.	1.8	25
47	Metabotropic Glutamate Receptors Drive the Endocannabinoid System in Hippocampus. Journal of Neuroscience, 2001, 21, RC188-RC188.	3.6	347
48	Random Response Fluctuations Lead to Spurious Paired-Pulse Facilitation. Journal of Neuroscience, 2001, 21, 9608-9618.	3.6	138
49	Spectrins in developing rat hippocampal cells. Developmental Brain Research, 2001, 129, 81-93.	1.7	20
50	Evidence for Endogenous Excitatory Amino Acids as Mediators in DSI of GABAAergic Transmission in Hippocampal CA1. Journal of Neurophysiology, 1999, 82, 2556-2564.	1.8	34
51	Evidence for Metabotropic Glutamate Receptor Activation in the Induction of Depolarization-Induced Suppression of Inhibition in Hippocampal CA1. Journal of Neuroscience, 1998, 18, 4870-4882.	3.6	111
52	High Intracellular Cl^{â^'}Concentrations Depress G-Protein-Modulated Ionic Conductances. Journal of Neuroscience, 1997, 17, 6133-6141.	3.6	48
53	N-Ethylmaleimide Blocks Depolarization-Induced Suppression of Inhibition and Enhances GABA Release in the Rat Hippocampal SliceIn Vitro. Journal of Neuroscience, 1997, 17, 941-950.	3.6	44
54	Homosynaptic LTD and depotentiation: Do they differ in name only?. , 1996, 6, 24-29.		59

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55	Whole-cell voltage-clamp investigation of the role of PKC in muscarinic inhibition of IAHP in rat CA1 hippocampal neurons. , 1996, 6, 183-191.		13
56	Evidence for hippocampal calcium channel regulation by PKC based on comparison of diacylglycerols and phorbol esters. Brain Research, 1992, 597, 30-40.	2.2	25
57	Calcium-dependent pirenzepine-sensitive muscarinic response in the rat hippocampal slice. Neuroscience Letters, 1988, 91, 177-182.	2.1	9
58	Neuronal muscarinic responses: role of protein kinase C. FASEB Journal, 1988, 2, 2575-2583.	0.5	51
59	Papain effects on rat hippocampal neurons in the slice preparation. Neuroscience Letters, 1987, 78, 307-310.	2.1	10
60	Transient heterosynaptic depression in the hippocampal slice. Brain Research Bulletin, 1978, 3, 181-184.	3.0	37
61	Potassium and short-term response plasticity in the hippocampal slice. Brain Research, 1978, 159, 239-242.	2.2	26
62	A monosynaptic fiber track studied in vitro: Evidence of a hippocampal CA1 associational system?. Brain Research Bulletin, 1977, 2, 355-365.	3.0	23
63	A comparison of long-term potentiation in the in vitro and in vivo hippocampal preparations. Behavioral Biology, 1977, 19, 24-34.	2.2	19