Brian E Derrick

List of Publications by Year
in descending order

24 papers	1,179 citations	516710 16 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	1058 citing authors

#	Article	IF	Citations
1	Long-term Potentiation at Temporoammonic Path-CA1 Synapses in Freely Moving Rats. Frontiers in Neural Circuits, 2016, 10, 2.	2.8	12
2	Low-frequency stimulation induces long-term depression and slow onset long-term potentiation at perforant path-dentate gyrus synapses in vivo. Journal of Neurophysiology, 2014, 111, 1259-1273.	1.8	27
3	Endogenous opioid peptides contribute to associative LTP in the hippocampal CA3 region. Neurobiology of Learning and Memory, 2011, 96, 207-217.	1.9	7
4	Modulation of CA3 Afferent Inputs by Novelty and Theta Rhythm. Journal of Neuroscience, 2007, 27, 13457-13467.	3.6	27
5	Plastic processes in the dentate gyrus: a computational perspective. Progress in Brain Research, 2007, 163, 417-451.	1.4	20
6	5-HT1a receptor antagonists block perforant path-dentate LTP induced in novel, but not familiar, environments. Learning and Memory, 2006, 13, 52-62.	1.3	32
7	NMDA receptor antagonists block heterosynaptic long-term depression (LTD) but not long-term potentiation (LTP) in the CA3 region following lateral perforant path stimulation. Neuroscience Letters, 2005, 374, 29-34.	2.1	20
8	In Vivo Recordings of Long-Term Potentiation and Long-Term Depression in the Dentate Gyrus of the Neonatal Rat. Journal of Neurophysiology, 2004, 91, 613-622.	1.8	8
9	Novel Environments Enhance the Induction and Maintenance of Long-Term Potentiation in the Dentate Gyrus. Journal of Neuroscience, 2004, 24, 6497-6506.	3.6	109
10	Time-course study of SCG10 mRNA levels associated with LTP induction and maintenance in the rat Schaffer-CA1 pathway in vivo. Molecular Brain Research, 2004, 120, 182-187.	2.3	7
11	Identification of Upregulated SCG10 mRNA Expression Associated with Late-Phase Long-Term Potentiation in the Rat Hippocampal Schaffer-CA1 PathwayIn Vivo. Journal of Neuroscience, 2003, 23, 6617-6626.	3.6	17
12	Long-Term Potentiation in Direct Perforant Path Projections to the Hippocampal CA3 Region In Vivo. Journal of Neurophysiology, 2002, 87, 669-678.	1.8	72
13	Associative long-term potentiation (LTP) among extrinsic afferents of the hippocampal CA3 region in vivo. Brain Research, 2002, 940, 86-94.	2.2	38
14	NMDA receptor antagonists sustain LTP and spatial memory: active processes mediate LTP decay. Nature Neuroscience, 2002, 5, 48-52.	14.8	194
15	Increased granule cell neurogenesis in the adult dentate gyrus following mossy fiber stimulation sufficient to induce long-term potentiation. Brain Research, 2000, 857, 300-307.	2.2	75
16	Cytokine Responses to LTP Induction in the Rat Hippocampus: A Comparison of In Vitro and In Vivo Techniques. Learning and Memory, 2000, 7, 400-412.	1.3	85
17	Long-Term Potentiation, Long-Term Depression, and Learning. , 1998, , 211-246.		3
18	Long-term potentiation at the lateral perforant path-nucleus accumbens synapse in the rat in vivo. Cognitive, Affective and Behavioral Neuroscience, 1998, 26, 169-175.	1.3	1

#	Article	IF	Citations
19	Opioid receptor modulation of mossy fiber synaptogenesis: independence from long-term potentiation. Brain Research, 1997, 751, 330-335.	2.2	40
20	LONG-TERM POTENTIATION AND LEARNING. Annual Review of Psychology, 1996, 47, 173-203.	17.7	205
21	Associative, bidirectional modifications at the hippocampal mossy fibreâ€“CA3 synapse. Nature, 1996, 381, 429-434.	27.8	39
22	(Â±)CPP, an NMDA receptor antagonist, blocks the induction of commissural-CA3 LTP in the anesthetized rat. Brain Research, 1994, 656, 215-219.	2.2	16
23	Opioid receptor-dependent long-term potentiation at the lateral perforant path-CA3 synapse in rat hippocampus. Brain Research Bulletin, 1994, 33, 17-24.	3.0	53
24	Opioid receptors are involved in an NMDA receptor-independent mechanism of LTP induction at hippocampal mossy fiber-CA3 synapses. Brain Research Bulletin, 1991, 27, 219-223.	3.0	72