

Brian E Derrick

List of Publications by Year in descending order

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Version: 2024-02-01

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 AND LEARNING. <i>Annual Review of Psychology</i> , 1996, 47, 173-203.	17.7	205
2	NMDA receptor antagonists sustain LTP and spatial memory: active processes mediate LTP decay. <i>Nature Neuroscience</i> , 2002, 5, 48-52.	14.8	194
3	Novel Environments Enhance the Induction and Maintenance of Long-Term Potentiation in the Dentate Gyrus. <i>Journal of Neuroscience</i> , 2004, 24, 6497-6506.	3.6	109
4	Cytokine Responses to LTP Induction in the Rat Hippocampus: A Comparison of In Vitro and In Vivo Techniques. <i>Learning and Memory</i> , 2000, 7, 400-412.	1.3	85
5	Increased granule cell neurogenesis in the adult dentate gyrus following mossy fiber stimulation sufficient to induce long-term potentiation. <i>Brain Research</i> , 2000, 857, 300-307.	2.2	75
6	Opioid receptors are involved in an NMDA receptor-independent mechanism of LTP induction at hippocampal mossy fiber-CA3 synapses. <i>Brain Research Bulletin</i> , 1991, 27, 219-223.	3.0	72
7	Long-Term Potentiation in Direct Perforant Path Projections to the Hippocampal CA3 Region In Vivo. <i>Journal of Neurophysiology</i> , 2002, 87, 669-678.	1.8	72
8	Opioid receptor-dependent long-term potentiation at the lateral perforant path-CA3 synapse in rat hippocampus. <i>Brain Research Bulletin</i> , 1994, 33, 17-24.	3.0	53
9	Opioid receptor modulation of mossy fiber synaptogenesis: independence from long-term potentiation. <i>Brain Research</i> , 1997, 751, 330-335.	2.2	40
10	Associative, bidirectional modifications at the hippocampal mossy fibre-CA3 synapse. <i>Nature</i> , 1996, 381, 429-434.	27.8	39
11	Associative long-term potentiation (LTP) among extrinsic afferents of the hippocampal CA3 region in vivo. <i>Brain Research</i> , 2002, 940, 86-94.	2.2	38
12	5-HT1a receptor antagonists block perforant path-dentate LTP induced in novel, but not familiar, environments. <i>Learning and Memory</i> , 2006, 13, 52-62.	1.3	32
13	Modulation of CA3 Afferent Inputs by Novelty and Theta Rhythm. <i>Journal of Neuroscience</i> , 2007, 27, 13457-13467.	3.6	27
14	Low-frequency stimulation induces long-term depression and slow onset long-term potentiation at perforant path-dentate gyrus synapses in vivo. <i>Journal of Neurophysiology</i> , 2014, 111, 1259-1273.	1.8	27
15	NMDA receptor antagonists block heterosynaptic long-term depression (LTD) but not long-term potentiation (LTP) in the CA3 region following lateral perforant path stimulation. <i>Neuroscience Letters</i> , 2005, 374, 29-34.	2.1	20
16	Plastic processes in the dentate gyrus: a computational perspective. <i>Progress in Brain Research</i> , 2007, 163, 417-451.	1.4	20
17	Identification of Upregulated SCG10 mRNA Expression Associated with Late-Phase Long-Term Potentiation in the Rat Hippocampal Schaffer-CA1 Pathway In Vivo. <i>Journal of Neuroscience</i> , 2003, 23, 6617-6626.	3.6	17
18	(\pm)CPP, an NMDA receptor antagonist, blocks the induction of commissural-CA3 LTP in the anesthetized rat. <i>Brain Research</i> , 1994, 656, 215-219.	2.2	16

#	ARTICLE	IF	CITATIONS
19	Long-term Potentiation at Temporoammonic Path-CA1 Synapses in Freely Moving Rats. <i>Frontiers in Neural Circuits</i> , 2016, 10, 2.	2.8	12
20	In Vivo Recordings of Long-Term Potentiation and Long-Term Depression in the Dentate Gyrus of the Neonatal Rat. <i>Journal of Neurophysiology</i> , 2004, 91, 613-622.	1.8	8
21	Time-course study of SCG10 mRNA levels associated with LTP induction and maintenance in the rat Schaffer-CA1 pathway in vivo. <i>Molecular Brain Research</i> , 2004, 120, 182-187.	2.3	7
22	Endogenous opioid peptides contribute to associative LTP in the hippocampal CA3 region. <i>Neurobiology of Learning and Memory</i> , 2011, 96, 207-217.	1.9	7
23	Long-Term Potentiation, Long-Term Depression, and Learning. , 1998, , 211-246.		3
24	Long-term potentiation at the lateral perforant path-nucleus accumbens synapse in the rat in vivo. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 1998, 26, 169-175.	1.3	1