

Jenni Harvey

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,979
citations

136950

32
h-index

182427

51
g-index

58
all docs

58
docs citations

58
times ranked

4047
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain energy rescue: an emerging therapeutic concept for neurodegenerative disorders of ageing. <i>Nature Reviews Drug Discovery</i> , 2020, 19, 609-633.	46.4	441
2	Leptin Enhances NMDA Receptor Function and Modulates Hippocampal Synaptic Plasticity. <i>Journal of Neuroscience</i> , 2001, 21, RC186-RC186.	3.6	339
3	Cholinergic pesticides cause mushroom body neuronal inactivation in honeybees. <i>Nature Communications</i> , 2013, 4, 1634.	12.8	215
4	Activation of group I mGluRs potentiates NMDA responses in rat hippocampal slices. <i>Neuroscience Letters</i> , 1996, 203, 211-213.	2.1	177
5	Leptin and its role in hippocampal synaptic plasticity. <i>Progress in Lipid Research</i> , 2006, 45, 369-378.	11.6	172
6	Leptin inhibits epileptiform-like activity in rat hippocampal neurones via PI 3-kinase-driven activation of BK channels. <i>Journal of Physiology</i> , 2002, 545, 933-944.	2.9	167
7	Leptin regulation of neuronal excitability and cognitive function. <i>Current Opinion in Pharmacology</i> , 2007, 7, 643-647.	3.5	156
8	Leptin promotes rapid dynamic changes in hippocampal dendritic morphology. <i>Molecular and Cellular Neurosciences</i> , 2007, 35, 559-572.	2.2	152
9	Signal transduction pathways involved in the acute potentiation of NMDA responses by 1S,3R-ACPD in rat hippocampal slices. <i>British Journal of Pharmacology</i> , 1993, 109, 1085-1090.	5.4	132
10	Leptin: a potential cognitive enhancer?. <i>Biochemical Society Transactions</i> , 2005, 33, 1029.	3.4	132
11	Leptin in the CNS: much more than a satiety signal. <i>Neuropharmacology</i> , 2003, 44, 845-854.	4.1	116
12	Leptin: a diverse regulator of neuronal function. <i>Journal of Neurochemistry</i> , 2007, 100, 307-313.	3.9	111
13	Leptin Regulates AMPA Receptor Trafficking via PTEN Inhibition. <i>Journal of Neuroscience</i> , 2010, 30, 4088-4101.	3.6	104
14	Mitochondrial Dysfunction and Dendritic Beading during Neuronal Toxicity. <i>Journal of Biological Chemistry</i> , 2007, 282, 26235-26244.	3.4	98
15	Leptin prevents hippocampal synaptic disruption and neuronal cell death induced by amyloid β . <i>Neurobiology of Aging</i> , 2013, 34, 226-237.	3.1	98
16	Leptin regulation of hippocampal synaptic function in health and disease. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130155.	4.0	98
17	Leptin induces a novel form of NMDA receptor-dependent long-term depression. <i>Journal of Neurochemistry</i> , 2005, 95, 396-405.	3.9	91
18	Leptin inhibits rat hippocampal neurons via activation of large conductance calcium-activated K ⁺ channels. <i>Nature Neuroscience</i> , 2002, 5, 299-300.	14.8	83

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19	Emerging roles for the novel estrogen-sensing receptor GPER1 in the CNS. <i>Neuropharmacology</i> , 2017, 113, 652-660.	4.1	70
20	Leptin-induced dynamic changes in the actin cytoskeleton mediate the activation and synaptic clustering of BK channels. <i>FASEB Journal</i> , 2005, 19, 1917-1919.	0.5	61
21	Leptin reverses long-term potentiation at hippocampal CA1 synapses. <i>Journal of Neurochemistry</i> , 2009, 108, 685-696.	3.9	58
22	Cannabinoid Receptor-Related Orphan G Protein-Coupled Receptors. <i>Advances in Pharmacology</i> , 2017, 80, 223-247.	2.0	58
23	Insulin inhibits rat hippocampal neurones via activation of ATP-sensitive K ⁺ and large conductance Ca ²⁺ -activated K ⁺ channels. <i>Neuropharmacology</i> , 2003, 44, 855-863.	4.1	57
24	Hormonal regulation of hippocampal dendritic morphology and synaptic plasticity. <i>Cell Adhesion and Migration</i> , 2008, 2, 269-275.	2.7	57
25	NMDA receptor subunit composition determines the polarity of leptin-induced synaptic plasticity. <i>Neuropharmacology</i> , 2011, 61, 924-936.	4.1	54
26	Regulation of Hippocampal Synaptic Function by the Metabolic Hormone, Leptin: Implications for Health and Neurodegenerative Disease. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 340.	3.7	48
27	Leptin: A Multifaceted Hormone in the Central Nervous System. <i>Molecular Neurobiology</i> , 2003, 28, 245-258.	4.0	44
28	Leptin regulation of neuronal morphology and hippocampal synaptic function. <i>Frontiers in Synaptic Neuroscience</i> , 2013, 5, 3.	2.5	41
29	MAPK-dependent actin cytoskeletal reorganization underlies BK channel activation by insulin. <i>European Journal of Neuroscience</i> , 2007, 25, 673-682.	2.6	35
30	Leptin: A Novel Therapeutic Target in Alzheimer's Disease?. <i>International Journal of Alzheimer's Disease</i> , 2012, 2012, 1-7.	2.0	34
31	Leptin Induces a Novel Form of NMDA Receptor-Dependent LTP at Hippocampal Temporoammonic-CA1 Synapses. <i>ENeuro</i> , 2015, 2, ENEURO.0007-15.2015.	1.9	34
32	Novel actions of leptin in the hippocampus. <i>Annals of Medicine</i> , 2003, 35, 197-206.	3.8	32
33	Leptin Regulation of Synaptic Function at Hippocampal TA-CA1 and SC-CA1 Synapses: Implications for Health and Disease. <i>Neurochemical Research</i> , 2019, 44, 650-660.	3.3	32
34	Canonical JAK-STAT signaling is pivotal for long-term depression at adult hippocampal temporoammonic-CA1 synapses. <i>FASEB Journal</i> , 2017, 31, 3449-3466.	0.5	31
35	Insulin Activates Native and Recombinant Large Conductance Ca ²⁺ -Activated Potassium Channels via a Mitogen-Activated Protein Kinase-Dependent Process. <i>Molecular Pharmacology</i> , 2004, 65, 1352-1363.	2.3	30
36	Neurotrophic effects of leptin on cerebellar Purkinje but not granule neurons in vitro. <i>Neuroscience Letters</i> , 2008, 438, 17-21.	2.1	30

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37	A Leptin Fragment Mirrors the Cognitive Enhancing and Neuroprotective Actions of Leptin. <i>Cerebral Cortex</i> , 2017, 27, 4769-4782.	2.9	29
38	Leptin: The Missing Link in Alzheimer Disease?. <i>Clinical Chemistry</i> , 2010, 56, 696-697.	3.2	26
39	Food for thought: Leptin regulation of hippocampal function and its role in Alzheimer's disease. <i>Neuropharmacology</i> , 2018, 136, 298-306.	4.1	26
40	NMDA receptor dependence of mGlu ϵ -mediated depression of synaptic transmission in the CA1 region of the rat hippocampus. <i>British Journal of Pharmacology</i> , 1996, 119, 1239-1247.	5.4	25
41	Bi α -directional modulation of fast inhibitory synaptic transmission by leptin. <i>Journal of Neurochemistry</i> , 2009, 108, 190-201.	3.9	25
42	Minireview: Food for Thought: Regulation of Synaptic Function by Metabolic Hormones. <i>Molecular Endocrinology</i> , 2015, 29, 3-13.	3.7	25
43	Regulation of glutamate receptor trafficking by leptin. <i>Biochemical Society Transactions</i> , 2009, 37, 1364-1368.	3.4	24
44	Age-dependent regulation of excitatory synaptic transmission at hippocampal temporoammonic-CA1 synapses by leptin. <i>Neurobiology of Aging</i> , 2018, 69, 76-93.	3.1	20
45	The Neuronal Actions of Leptin and the Implications for Treating Alzheimer's Disease. <i>Pharmaceuticals</i> , 2021, 14, 52.	3.8	18
46	Activation of oestrogen receptor α induces a novel form of LTP at hippocampal temporoammonic-CA1 synapses. <i>British Journal of Pharmacology</i> , 2020, 177, 642-655.	5.4	17
47	Regulation of hippocampal synaptic function by the metabolic hormone leptin: Implications for health and disease. <i>Progress in Lipid Research</i> , 2021, 82, 101098.	11.6	17
48	Honeybee Kenyon cells are regulated by a tonic GABA receptor conductance. <i>Journal of Neurophysiology</i> , 2014, 112, 2026-2035.	1.8	12
49	PTEN: a new player controlling structural and functional synaptic plasticity. <i>Journal of Physiology</i> , 2012, 590, 1017-1017.	2.9	9
50	Leptin regulation of hippocampal synaptic function in health and disease. <i>Vitamins and Hormones</i> , 2021, 115, 105-127.	1.7	7
51	Food for Thought: Leptin and Hippocampal Synaptic Function. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	6
52	The aminoguanidine carboxylate BVT.12777 activates ATP-sensitive K ⁺ channels in the rat insulinoma cell line, CRI-G1. <i>BMC Pharmacology</i> , 2004, 4, 17.	0.4	3
53	Leptin and Alzheimer's Disease. , 2015, , 457-467.		1
54	Leptin regulation of synaptic function at hippocampal TA-CA1 and SC-CA1 synapses. <i>Vitamins and Hormones</i> , 2022, 118, 315-336.	1.7	1

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55	Letter from the Guest Editor. Cell Adhesion and Migration, 2008, 2, 268-268.	2.7	0
56	Convergence of leptin and insulin signaling networks in obesity. , 0, , 127-163.		0
57	Leptin and the CNS. , 2011, , 271-287.		0