Laura A Schrader

List of Publications by Year
in descending order

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36	2,147	279798	345221
papers	citations	23 h-index	36 g-index

36	36	36	2701
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Transcription Factor Shox2 Shapes Neuron Firing Properties and Suppresses Seizures by Regulation of Key Ion Channels in Thalamocortical Neurons. Cerebral Cortex, 2021, 31, 3194-3212.	2.9	2
2	Cerebellar mitochondrial dysfunction and concomitant multi-system fatty acid oxidation defects are sufficient to discriminate PTSD-like and resilient male mice. Brain, Behavior, & Immunity - Health, 2020, 6, 100104.	2.5	7
3	BK channel deacetylation by SIRT1 in dentate gyrus regulates anxiety and response to stress. Communications Biology, 2018, 1, 82.	4.4	6
4	Interaction of Norepinephrine and Glucocorticoids Modulate Inhibition of Principle Cells of Layer II Medial Entorhinal Cortex in Male Mice. Frontiers in Synaptic Neuroscience, 2018, 10, 3.	2.5	7
5	Effect of acute alarm odor exposure and biological sex on generalized avoidance and glutamatergic signaling in the hippocampus of Wistar rats. Stress, 2018, 21, 292-303.	1.8	8
6	Predator odor evokes sexâ€‐independent stress responses in male and female Wistar rats and reduces phosphorylation of cyclicâ€‐adenosine monophosphate response element binding protein in the male, but not the female hippocampus. Hippocampus, 2017, 27, 1016-1029.	1.9	21
7	The transcription factor NeuroD2 coordinates synaptic innervation and cell intrinsic properties to control excitability of cortical pyramidal neurons. Journal of Physiology, 2016, 594, 3729-3744.	2.9	33
8	Modulation of BK channels contributes to activity-dependent increase of excitability through MTORC1 activity in CA1 pyramidal cells of mouse hippocampus. Frontiers in Cellular Neuroscience, 2015, 8, 451.	3.7	22
9	The Short Stature Homeobox 2 (Shox2)-bone Morphogenetic Protein (BMP) Pathway Regulates Dorsal Mesenchymal Protrusion Development and Its Temporary Function as a Pacemaker during Cardiogenesis. Journal of Biological Chemistry, 2015, 290, 2007-2023.	3.4	26
10	Estradiol replacement enhances fear memory formation, impairs extinction and reduces COMT expression levels in the hippocampus of ovariectomized female mice. Neurobiology of Learning and Memory, 2015, 118, 167-177.	1.9	25
11	A common Shox2-Nkx2-5 antagonistic mechanism primes the pacemaking cell fate in the pulmonary vein myocardium and sinoatrial node. Development (Cambridge), 2015, 142, 2521-32.	2.5	105
12	Facilitation of the HPA Axis to a Novel Acute Stress Following Chronic Stress Exposure Modulates Histone Acetylation and the ERK/MAPK Pathway in the Dentate Gyrus of Male Rats. Endocrinology, 2014, 155, 2942-2952.	2.8	37
13	Sirtuin Activity in Dentate Gyrus Contributes to Chronic Stress-Induced Behavior and Extracellular Signal-Regulated Protein Kinases 1 and 2 Cascade Changes in the Hippocampus. Biological Psychiatry, 2013, 74, 927-935.	1.3	31
14	DREAM/calsenilin/KChIP3 modulates strategy selection and estradiol-dependent learning and memory. Learning and Memory, 2013, 20, 686-694.	1.3	13
15	Longâ€Term Oestradiol Treatment Enhances Hippocampal Synaptic Plasticity that is Dependent on Muscarinic Acetylcholine Receptors in Ovariectomised Female Rats. Journal of Neuroendocrinology, 2012, 24, 887-896.	2.6	12
16	Role of gonadal hormones in anxiety and fear memory formation and inhibition in male mice. Physiology and Behavior, 2012, 105, 1168-1174.	2.1	49
17	Cage mate separation in pair-housed male rats evokes an acute stress corticosterone response. Neuroscience Letters, 2011, 489, 154-158.	2.1	46
18	Regulation of histone acetylation in the hippocampus of chronically stressed rats: a potential role of sirtuins. Neuroscience, 2011, 174, 104-114.	2.3	76

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19	Activation of Îº opioid receptors increases intrinsic excitability of dentate gyrus granule cells. Journal of Physiology, 2011, 589, 3517-3532.	2.9	30
20	Pre-exposure to context affects learning strategy selection in mice. Learning and Memory, 2010, 17, 328-331.	1.3	11
21	The role of calsenilin/DREAM/KChIP3 in contextual fear conditioning. Learning and Memory, 2009, 16, 167-177.	1.3	63
22	Kv4.2 is a locus for PKC and ERK/MAPK cross-talk. Biochemical Journal, 2009, 417, 705-715.	3.7	37
23	In vivo regulation of an Aplysia glutamate transporter, ApGT1, during long-term memory formation. Journal of Neurochemistry, 2007, 100, 1315-1328.	3.9	10
24	Regulation of Surface Localization of the Small Conductance Ca2+-activated Potassium Channel, Sk2, through Direct Phosphorylation by cAMP-dependent Protein Kinase. Journal of Biological Chemistry, 2006, 281, 11769-11779.	3.4	87
25	ERK/MAPK regulates the Kv4.2 potassium channel by direct phosphorylation of the pore-forming subunit. American Journal of Physiology - Cell Physiology, 2006, 290, C852-C861.	4.6	162
26	Substrates for Coincidence Detection and Calcium Signaling for Induction of Synaptic Potentiation in the Neonatal Visual Cortex. Journal of Neurophysiology, 2004, 91, 2747-2764.	1.8	3
27	Calcium-Calmodulin-Dependent Kinase II Modulates Kv4.2 Channel Expression and Upregulates Neuronal A-Type Potassium Currents. Journal of Neuroscience, 2004, 24, 3643-3654.	3.6	148
28	Structure and Function of Kv4-Family Transient Potassium Channels. Physiological Reviews, 2004, 84, 803-833.	28.8	307
29	A Fundamental Role for KChIPs in Determining the Molecular Properties and Trafficking of Kv4.2 Potassium Channels. Journal of Biological Chemistry, 2003, 278, 36445-36454.	3.4	229
30	PKA Modulation of Kv4.2-Encoded A-Type Potassium Channels Requires Formation of a Supramolecular Complex. Journal of Neuroscience, 2002, 22, 10123-10133.	3.6	89
31	The Other Half of Hebb. Molecular Neurobiology, 2002, 25, 051-066.	4.0	28
32	Developmental regulation of synaptic mechanisms that may contribute to learning and memory. Mental Retardation and Developmental Disabilities Research Reviews, 1999, 5, 60-71.	3.6	1
33	Local Glutamatergic and GABAergic Synaptic Circuits and Metabotropic Glutamate Receptors in the Hypothalamic Paraventricular and Supraoptic Nuclei. Advances in Experimental Medicine and Biology, 1998, 449, 117-121.	1.6	60
34	Physiological Evidence for Local Excitatory Synaptic Circuits in the Rat Hypothalamus. Journal of Neurophysiology, 1997, 77, 3396-3400.	1.8	170
35	Presynaptic Modulation by Metabotropic Glutamate Receptors of Excitatory and Inhibitory Synaptic Inputs to Hypothalamic Magnocellular Neurons. Journal of Neurophysiology, 1997, 77, 527-527.	1.8	137
36	Modulation of Multiple Potassium Currents by Metabotropic Glutamate Receptors in Neurons of the Hypothalamic Supraoptic Nucleus. Journal of Neurophysiology, 1997, 78, 3428-3437.	1.8	49