

# Laura A Schrader

## List of Publications by Year in descending order

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36  
papers

2,147  
citations

279798

23  
h-index

345221

36  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2701  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and Function of Kv4-Family Transient Potassium Channels. <i>Physiological Reviews</i> , 2004, 84, 803-833.	28.8	307
2	A Fundamental Role for KChIPs in Determining the Molecular Properties and Trafficking of Kv4.2 Potassium Channels. <i>Journal of Biological Chemistry</i> , 2003, 278, 36445-36454.	3.4	229
3	Physiological Evidence for Local Excitatory Synaptic Circuits in the Rat Hypothalamus. <i>Journal of Neurophysiology</i> , 1997, 77, 3396-3400.	1.8	170
4	ERK/MAPK regulates the Kv4.2 potassium channel by direct phosphorylation of the pore-forming subunit. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 290, C852-C861.	4.6	162
5	Calcium-Calmodulin-Dependent Kinase II Modulates Kv4.2 Channel Expression and Upregulates Neuronal A-Type Potassium Currents. <i>Journal of Neuroscience</i> , 2004, 24, 3643-3654.	3.6	148
6	Presynaptic Modulation by Metabotropic Glutamate Receptors of Excitatory and Inhibitory Synaptic Inputs to Hypothalamic Magnocellular Neurons. <i>Journal of Neurophysiology</i> , 1997, 77, 527-527.	1.8	137
7	A common <i>Shox2</i> - <i>Nkx2-5</i> antagonistic mechanism primes the pacemaking cell fate in the pulmonary vein myocardium and sinoatrial node. <i>Development (Cambridge)</i> , 2015, 142, 2521-32.	2.5	105
8	PKA Modulation of Kv4.2-Encoded A-Type Potassium Channels Requires Formation of a Supramolecular Complex. <i>Journal of Neuroscience</i> , 2002, 22, 10123-10133.	3.6	89
9	Regulation of Surface Localization of the Small Conductance Ca <sup>2+</sup> -activated Potassium Channel, Sk2, through Direct Phosphorylation by cAMP-dependent Protein Kinase. <i>Journal of Biological Chemistry</i> , 2006, 281, 11769-11779.	3.4	87
10	Regulation of histone acetylation in the hippocampus of chronically stressed rats: a potential role of sirtuins. <i>Neuroscience</i> , 2011, 174, 104-114.	2.3	76
11	The role of calsenilin/DREAM/KChIP3 in contextual fear conditioning. <i>Learning and Memory</i> , 2009, 16, 167-177.	1.3	63
12	Local Glutamatergic and GABAergic Synaptic Circuits and Metabotropic Glutamate Receptors in the Hypothalamic Paraventricular and Supraoptic Nuclei. <i>Advances in Experimental Medicine and Biology</i> , 1998, 449, 117-121.	1.6	60
13	Modulation of Multiple Potassium Currents by Metabotropic Glutamate Receptors in Neurons of the Hypothalamic Supraoptic Nucleus. <i>Journal of Neurophysiology</i> , 1997, 78, 3428-3437.	1.8	49
14	Role of gonadal hormones in anxiety and fear memory formation and inhibition in male mice. <i>Physiology and Behavior</i> , 2012, 105, 1168-1174.	2.1	49
15	Cage mate separation in pair-housed male rats evokes an acute stress corticosterone response. <i>Neuroscience Letters</i> , 2011, 489, 154-158.	2.1	46
16	Kv4.2 is a locus for PKC and ERK/MAPK cross-talk. <i>Biochemical Journal</i> , 2009, 417, 705-715.	3.7	37
17	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. <i>Endocrinology</i> , 2014, 155, 2942-2952.	2.8	37
18	The transcription factor NeuroD2 coordinates synaptic innervation and cell intrinsic properties to control excitability of cortical pyramidal neurons. <i>Journal of Physiology</i> , 2016, 594, 3729-3744.	2.9	33

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19	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. <i>Biological Psychiatry</i> , 2013, 74, 927-935.	1.3	31
20	Activation of $\mu$ opioid receptors increases intrinsic excitability of dentate gyrus granule cells. <i>Journal of Physiology</i> , 2011, 589, 3517-3532.	2.9	30
21	The Other Half of Hebb. <i>Molecular Neurobiology</i> , 2002, 25, 051-066.	4.0	28
22	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. <i>Journal of Biological Chemistry</i> , 2015, 290, 2007-2023.	3.4	26
23	Estradiol replacement enhances fear memory formation, impairs extinction and reduces COMT expression levels in the hippocampus of ovariectomized female mice. <i>Neurobiology of Learning and Memory</i> , 2015, 118, 167-177.	1.9	25
24	Modulation of BK channels contributes to activity-dependent increase of excitability through MTORC1 activity in CA1 pyramidal cells of mouse hippocampus. <i>Frontiers in Cellular Neuroscience</i> , 2015, 8, 451.	3.7	22
25	Predator odor evokes sex-independent stress responses in male and female Wistar rats and reduces phosphorylation of cyclic adenosine monophosphate response element binding protein in the male, but not the female hippocampus. <i>Hippocampus</i> , 2017, 27, 1016-1029.	1.9	21
26	DREAM/calsenilin/KCHIP3 modulates strategy selection and estradiol-dependent learning and memory. <i>Learning and Memory</i> , 2013, 20, 686-694.	1.3	13
27	Long-Term Oestradiol Treatment Enhances Hippocampal Synaptic Plasticity that is Dependent on Muscarinic Acetylcholine Receptors in Ovariectomised Female Rats. <i>Journal of Neuroendocrinology</i> , 2012, 24, 887-896.	2.6	12
28	Pre-exposure to context affects learning strategy selection in mice. <i>Learning and Memory</i> , 2010, 17, 328-331.	1.3	11
29	In vivo regulation of an <i>Aplysia</i> glutamate transporter, ApGT1, during long-term memory formation. <i>Journal of Neurochemistry</i> , 2007, 100, 1315-1328.	3.9	10
30	Effect of acute alarm odor exposure and biological sex on generalized avoidance and glutamatergic signaling in the hippocampus of Wistar rats. <i>Stress</i> , 2018, 21, 292-303.	1.8	8
31	Interaction of Norepinephrine and Glucocorticoids Modulate Inhibition of Principle Cells of Layer II Medial Entorhinal Cortex in Male Mice. <i>Frontiers in Synaptic Neuroscience</i> , 2018, 10, 3.	2.5	7
32	Cerebellar mitochondrial dysfunction and concomitant multi-system fatty acid oxidation defects are sufficient to discriminate PTSD-like and resilient male mice. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2020, 6, 100104.	2.5	7
33	BK channel deacetylation by SIRT1 in dentate gyrus regulates anxiety and response to stress. <i>Communications Biology</i> , 2018, 1, 82.	4.4	6
34	Substrates for Coincidence Detection and Calcium Signaling for Induction of Synaptic Potentiation in the Neonatal Visual Cortex. <i>Journal of Neurophysiology</i> , 2004, 91, 2747-2764.	1.8	3
35	The Transcription Factor Shox2 Shapes Neuron Firing Properties and Suppresses Seizures by Regulation of Key Ion Channels in Thalamocortical Neurons. <i>Cerebral Cortex</i> , 2021, 31, 3194-3212.	2.9	2
36	Developmental regulation of synaptic mechanisms that may contribute to learning and memory. <i>Mental Retardation and Developmental Disabilities Research Reviews</i> , 1999, 5, 60-71.	3.6	1