

Courtney A Miller

List of Publications by Year in descending order

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59
papers

6,579
citations

147801

31
h-index

133252

59
g-index

72
all docs

72
docs citations

72
times ranked

7330
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent Modification of DNA Regulates Memory Formation. <i>Neuron</i> , 2007, 53, 857-869.	8.1	1,074
2	Inhibitors of Class 1 Histone Deacetylases Reverse Contextual Memory Deficits in a Mouse Model of Alzheimer's Disease. <i>Neuropsychopharmacology</i> , 2010, 35, 870-880.	5.4	627
3	Evidence That DNA (Cytosine-5) Methyltransferase Regulates Synaptic Plasticity in the Hippocampus. <i>Journal of Biological Chemistry</i> , 2006, 281, 15763-15773.	3.4	549
4	Cortical DNA methylation maintains remote memory. <i>Nature Neuroscience</i> , 2010, 13, 664-666.	14.8	481
5	Molecular Substrates for Retrieval and Reconsolidation of Cocaine-Associated Contextual Memory. <i>Neuron</i> , 2005, 47, 873-884.	8.1	410
6	DNA methylation and histone acetylation work in concert to regulate memory formation and synaptic plasticity. <i>Neurobiology of Learning and Memory</i> , 2008, 89, 599-603.	1.9	380
7	Pathogenic SYNGAP1 Mutations Impair Cognitive Development by Disrupting Maturation of Dendritic Spine Synapses. <i>Cell</i> , 2012, 151, 709-723.	28.9	313
8	Deficiency in the Inhibitory Serine-Phosphorylation of Glycogen Synthase Kinase-3 Increases Sensitivity to Mood Disturbances. <i>Neuropsychopharmacology</i> , 2010, 35, 1761-1774.	5.4	211
9	An interactive framework for whole-brain maps at cellular resolution. <i>Nature Neuroscience</i> , 2018, 21, 139-149.	14.8	204
10	Myosin IIb Regulates Actin Dynamics during Synaptic Plasticity and Memory Formation. <i>Neuron</i> , 2010, 67, 603-617.	8.1	192
11	Lithium ameliorates altered glycogen synthase kinase-3 and behavior in a mouse model of Fragile X syndrome. <i>Biochemical Pharmacology</i> , 2010, 79, 632-646.	4.4	163
12	Kalirin regulates cortical spine morphogenesis and disease-related behavioral phenotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13058-13063.	7.1	150
13	MicroRNA-182 Regulates Amygdala-Dependent Memory Formation. <i>Journal of Neuroscience</i> , 2013, 33, 1734-1740.	3.6	131
14	Reduced Cognition in Syngap1 Mutants Is Caused by Isolated Damage within Developing Forebrain Excitatory Neurons. <i>Neuron</i> , 2014, 82, 1317-1333.	8.1	118
15	SYNGAP1 heterozygosity disrupts sensory processing by reducing touch-related activity within somatosensory cortex circuits. <i>Nature Neuroscience</i> , 2018, 21, 1-13.	14.8	113
16	Reduced Expression of the NMDA Receptor-Interacting Protein SynGAP Causes Behavioral Abnormalities that Model Symptoms of Schizophrenia. <i>Neuropsychopharmacology</i> , 2009, 34, 1659-1672.	5.4	106
17	Syngap1 Haploinsufficiency Damages a Postnatal Critical Period of Pyramidal Cell Structural Maturation Linked to Cortical Circuit Assembly. <i>Biological Psychiatry</i> , 2015, 77, 805-815.	1.3	102
18	Altered Prelimbic Cortex Output during Cue-Elicited Drug Seeking. <i>Journal of Neuroscience</i> , 2004, 24, 6889-6897.	3.6	91

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19	Altered Fos expression in neural pathways underlying cue-elicited drug seeking in the rat. <i>European Journal of Neuroscience</i> , 2005, 21, 1385-1393.	2.6	85
20	SYNGAP1 Links the Maturation Rate of Excitatory Synapses to the Duration of Critical-Period Synaptic Plasticity. <i>Journal of Neuroscience</i> , 2013, 33, 10447-10452.	3.6	85
21	Pharmacological Selectivity Within Class I Histone Deacetylases Predicts Effects on Synaptic Function and Memory Rescue. <i>Neuropsychopharmacology</i> , 2015, 40, 2307-2316.	5.4	79
22	Methamphetamine-Associated Memory Is Regulated by a Writer and an Eraser of Permissive Histone Methylation. <i>Biological Psychiatry</i> , 2014, 76, 57-65.	1.3	76
23	Susceptibility and Resilience to Posttraumatic Stress Disorder-like Behaviors in Inbred Mice. <i>Biological Psychiatry</i> , 2017, 82, 924-933.	1.3	75
24	Regulation of Synapse Structure and Function by Distinct Myosin II Motors. <i>Journal of Neuroscience</i> , 2011, 31, 1448-1460.	3.6	62
25	Re-expression of SynGAP protein in adulthood improves translatable measures of brain function and behavior. <i>ELife</i> , 2019, 8, .	6.0	54
26	Selective, Retrieval-Independent Disruption of Methamphetamine-Associated Memory by Actin Depolymerization. <i>Biological Psychiatry</i> , 2014, 75, 96-104.	1.3	53
27	Amnesia or retrieval deficit? Implications of a molecular approach to the question of reconsolidation. <i>Learning and Memory</i> , 2006, 13, 498-505.	1.3	49
28	Epigenetic Changes in the Brain: Measuring Global Histone Modifications. <i>Methods in Molecular Biology</i> , 2010, 670, 263-274.	0.9	41
29	The path to epigenetic treatment of memory disorders. <i>Neurobiology of Learning and Memory</i> , 2011, 96, 13-18.	1.9	39
30	SYNGAP1 Controls the Maturation of Dendrites, Synaptic Function, and Network Activity in Developing Human Neurons. <i>Journal of Neuroscience</i> , 2020, 40, 7980-7994.	3.6	38
31	Myosin II motor activity in the lateral amygdala is required for fear memory consolidation. <i>Learning and Memory</i> , 2012, 19, 9-14.	1.3	35
32	Increased c-fos expression in the central nucleus of the amygdala and enhancement of cued fear memory in Dyt1 ^{fl} GAG knock-in mice. <i>Neuroscience Research</i> , 2009, 65, 228-235.	1.9	32
33	Hippocampal phenotypes in kalirin-deficient mice. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 45-54.	2.2	30
34	The Actin Cytoskeleton as a Therapeutic Target for the Prevention of Relapse to Methamphetamine Use. <i>CNS and Neurological Disorders - Drug Targets</i> , 2015, 14, 731-737.	1.4	29
35	Neuroepigenetic regulation of pathogenic memories. <i>Neuroepigenetics</i> , 2015, 1, 28-33.	2.8	27
36	MicroRNA regulation of persistent stress-enhanced memory. <i>Molecular Psychiatry</i> , 2020, 25, 965-976.	7.9	27

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37	The potential of epigenetics in stress-enhanced fear learning models of PTSD. <i>Learning and Memory</i> , 2016, 23, 576-586.	1.3	25
38	Melanocortin-3 receptors in the limbic system mediate feeding-related motivational responses during weight loss. <i>Molecular Metabolism</i> , 2016, 5, 566-579.	6.5	21
39	Bioinformatic analysis of long-lasting transcriptional and translational changes in the basolateral amygdala following acute stress. <i>PLoS ONE</i> , 2019, 14, e0209846.	2.5	18
40	Melanocortin-3 receptors expressed in Nkx2.1(+ve) neurons are sufficient for controlling appetitive responses to hypocaloric conditioning. <i>Scientific Reports</i> , 2017, 7, 44444.	3.3	17
41	Nonmuscle myosin II inhibition disrupts methamphetamine-associated memory in females and adolescents. <i>Neurobiology of Learning and Memory</i> , 2017, 139, 109-116.	1.9	16
42	Improved Scalability of Neuron-Based Phenotypic Screening Assays for Therapeutic Discovery in Neuropsychiatric Disorders. <i>Molecular Neuropsychiatry</i> , 2017, 3, 141-150.	2.9	16
43	Input-specific regulation of hippocampal circuit maturation by non-muscle myosin II. <i>Journal of Neurochemistry</i> , 2015, 134, 429-444.	3.9	15
44	Memory disrupting effects of nonmuscle myosin II inhibition depend on the class of abused drug and brain region. <i>Learning and Memory</i> , 2017, 24, 70-75.	1.3	15
45	DNA methylation. <i>Epigenetics</i> , 2011, 6, 548-551.	2.7	13
46	Stressed and Depressed? Check Your GDNF for Epigenetic Repression. <i>Neuron</i> , 2011, 69, 188-190.	8.1	11
47	The role of nonmuscle myosin II in polydrug memories and memory reconsolidation. <i>Learning and Memory</i> , 2018, 25, 391-398.	1.3	11
48	Endogenous Syngap1 alpha splice forms promote cognitive function and seizure protection. <i>ELife</i> , 2022, 11, .	6.0	10
49	Syngap1 regulates experience-dependent cortical ensemble plasticity by promoting in vivo excitatory synapse strengthening. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
50	microRNA mir-598-3p mediates susceptibility to stress enhancement of remote fear memory. <i>Learning and Memory</i> , 2019, 26, 363-372.	1.3	8
51	Social stress-potentiated methamphetamine seeking. <i>Addiction Biology</i> , 2019, 24, 958-968.	2.6	7
52	Methamphetamine Learning Induces Persistent and Selective Nonmuscle Myosin II-Dependent Spine Motility in the Basolateral Amygdala. <i>Journal of Neuroscience</i> , 2020, 40, 2695-2707.	3.6	7
53	A Semi-High-Throughput Adaptation of the NADH-Coupled ATPase Assay for Screening Small Molecule Inhibitors. <i>Journal of Visualized Experiments</i> , 2019, .	0.3	6
54	A simple and robust cell-based assay for the discovery of novel cytokinesis inhibitors. <i>Journal of Biological Methods</i> , 2020, 7, e136.	0.6	4

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55	DNA methylation: dynamic and stable regulation of memory. <i>Biomolecular Concepts</i> , 2011, 2, 459-467.	2.2	3
56	Forgot your HAT? CBP Might be to Blame. <i>Neuropsychopharmacology</i> , 2011, 36, 1543-1544.	5.4	3
57	Discovery of Selective Inhibitors for In Vitro and In Vivo Interrogation of Skeletal Myosin II. <i>ACS Chemical Biology</i> , 2021, 16, 2164-2173.	3.4	2
58	A role for amygdala endocannabinoid signaling in reconsolidation of cocaine-associated memories. <i>Neuropsychopharmacology</i> , 2021, 46, 1549-1550.	5.4	1
59	Targeting persistent stress-enhanced memory through microRNAs. <i>Neuropsychopharmacology</i> , 2021, 46, 236-236.	5.4	0