Heather A Cameron

List of Publications by Year
in descending order

78 papers	12,388 citations	50276 46 h-index	71685 76 g-index
80 all docs	80 docs citations	80 times ranked	10785 citing authors

#	Article	IF	Citations
1	Adult neurogenesis produces a large pool of new granule cells in the dentate gyrus. Journal of Comparative Neurology, 2001, 435, 406-417.	1.6	1,396
2	Adult hippocampal neurogenesis buffers stress responses and depressive behaviour. Nature, 2011, 476, 458-461.	27.8	1,225
3	Adult neurogenesis is regulated by adrenal steroids in the dentate gyrus. Neuroscience, 1994, 61, 203-209.	2.3	883
4	Restoring production of hippocampal neurons in old age. Nature Neuroscience, 1999, 2, 894-897.	14.8	659
5	Human Adult Neurogenesis: Evidence and Remaining Questions. Cell Stem Cell, 2018, 23, 25-30.	11.1	601
6	Shortâ€term and longâ€term survival of new neurons in the rat dentate gyrus. Journal of Comparative Neurology, 2003, 460, 563-572.	1.6	554
7	Regulation of neurogenesis by growth factors and neurotransmitters. Journal of Neurobiology, 1998, 36, 287-306.	3.6	439
8	New GABAergic interneurons in the adult neocortex and striatum are generated from different precursors. Journal of Cell Biology, 2005, 168, 415-427.	5.2	402
9	Adult-Born Hippocampal Neurons Are More Numerous, Faster Maturing, and More Involved in Behavior in Rats than in Mice. Journal of Neuroscience, 2009, 29, 14484-14495.	3.6	371
10	Phenytoin prevents stressâ€•and corticosteroneâ€induced atrophy of CA3 pyramidal neurons. Hippocampus, 1992, 2, 431-435.	1.9	336
11	Adrenal steroids and N-methyl-D-aspartate receptor activation regulate neurogenesis in the dentate gyrus of adult rats through a common pathway. Neuroscience, 1997, 82, 349-354.	2.3	314
12	Tianeptine attenuates stress-induced morphological changes in the hippocampus. European Journal of Pharmacology, 1992, 222, 157-162.	3.5	289
13	Blockade of NMDA receptors increases cell death and birth in the developing rat dentate gyrus. Journal of Comparative Neurology, 1994, 340, 551-565.	1.6	233
14	Adult Neurogenesis: Beyond Learning and Memory. Annual Review of Psychology, 2015, 66, 53-81.	17.7	226
15	Adult Neurogenesis, Mental Health, and Mental Illness: Hope or Hype?: Figure 1.. Journal of Neuroscience, 2008, 28, 11785-11791.	3.6	225
16	Paradoxical effects of adrenal steroids on the brain: Protection versus degeneration. Biological Psychiatry, 1992, 31, 177-199.	1.3	210
17	Stress and Loss of Adult Neurogenesis Differentially Reduce Hippocampal Volume. Biological Psychiatry, 2017, 82, 914-923.	1.3	190
18	Anatomical gradients of adult neurogenesis and activity: Young neurons in the ventral dentate gyrus are activated by water maze training. Hippocampus, 2009, 19, 360-370.	1.9	188

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19	Neurogenesis in the adult hippocampus. Hippocampus, 2006, 16, 199-207.	1.9	187
20	Adrenal steroids regulate postnatal development of the rat dentate gyrus: II. Effects of glucocorticoids and mineralocorticoids on cell birth. Journal of Comparative Neurology, 1991, 313, 486-493.	1.6	179
21	Regulation of Neuronal Birth, Migration and Death in the Rat Dentate Gyrus. Developmental Neuroscience, 1996, 18, 22-35.	2.0	172
22	The effects of exercise and stress on the survival and maturation of adultâ€generated granule cells. Hippocampus, 2009, 19, 898-906.	1.9	164
23	Pentraxins Coordinate Excitatory Synapse Maturation and Circuit Integration of Parvalbumin Interneurons. Neuron, 2015, 85, 1257-1272.	8.1	154
24	Adult Neurogenesis and Mental Illness. Neuropsychopharmacology, 2015, 40, 113-128.	5.4	147
25	Discussion point stem cells and neurogenesis in the adult brain. Current Opinion in Neurobiology, 1998, 8, 677-680.	4.2	133
26	Decreased neurogenesis in aged rats results from loss of granule cell precursors without lengthening of the cell cycle. Journal of Comparative Neurology, 2007, 501, 659-667.	1.6	123
27	Variation in Mouse Basolateral Amygdala Volume is Associated With Differences in Stress Reactivity and Fear Learning. Neuropsychopharmacology, 2008, 33, 2595-2604.	5.4	123
28	Adrenal steroid receptor immunoreactivity in cells born in the adult rat dentate gyrus. Brain Research, 1993, 611, 342-346.	2.2	118
29	Prenatal maternal infection promotes tissue-specific immunity and inflammation in offspring. Science, 2021, 373, .	12.6	108
30	Distinct populations of cells in the adult dentate gyrus undergo mitosis or apoptosis in response to adrenalectomy. , 1996, 369, 56-63.		106
31	Could adult hippocampal neurogenesis be relevant for human behavior?. Behavioural Brain Research, 2012, 227, 384-390.	2.2	100
32	Stress in early life inhibits neurogenesis in adulthood. Trends in Neurosciences, 2005, 28, 171-172.	8.6	97
33	The neuropeptide Y Y1 receptor subtype is necessary for the anxiolytic-like effects of neuropeptide Y, but not the antidepressant-like effects of fluoxetine, in mice. Psychopharmacology, 2007, 195, 547-557.	3.1	96
34	Anxiety- and Depression-Like Behavior and Impaired Neurogenesis Evoked by Peripheral Neuropathy Persist following Resolution of Prolonged Tactile Hypersensitivity. Journal of Neuroscience, 2014, 34, 12304-12312.	3.6	85
35	Stress and the Brain: A Paradoxical Role for Adrenal Steroids. Vitamins and Hormones, 1995, 51, 371-402.	1.7	82
36	New Interneurons in the Adult Neocortex: Small, Sparse, but Significant?. Biological Psychiatry, 2008, 63, 650-655.	1.3	82

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37	Late Maturation of Adult-Born Neurons in the Temporal Dentate Gyrus. PLoS ONE, 2012, 7, e48757.	2.5	81
38	A natural form of learning can increase and decrease the survival of new neurons in the dentate gyrus. Hippocampus, 2005, 15, 750-762.	1.9	78
39	Adrenal steroids and plasticity of hippocampal neurons: Toward an understanding of underlying cellular and molecular mechanisms. Cellular and Molecular Neurobiology, 1993, 13, 457-482.	3.3	74
40	Effects of adolescent fluoxetine treatment on fear-, anxiety- or stress-related behaviors in C57BL/6J or BALB/cJ mice. Psychopharmacology, 2008, 200, 413-424.	3.1	74
41	Adrenal steroids suppress granule cell death in the developing dentate gyrus through an NMDA receptor-dependent mechanism. Developmental Brain Research, 1997, 103, 91-93.	1.7	70
42	Behavioral and structural adaptations to stress. Frontiers in Neuroendocrinology, 2018, 49, 106-113.	5.2	69
43	Early NMDA receptor blockade impairs defensive behavior and increases cell proliferation in the dentate gyrus of developing rats.. Behavioral Neuroscience, 1997, 111, 49-56.	1.2	58
44	GABAergic signaling in young granule cells in the adult rat and mouse dentate gyrus. Hippocampus, 2006, 16, 312-320.	1.9	58
45	New neurons in the adult striatum: from rodents to humans. Trends in Neurosciences, 2015, 38, 517-523.	8.6	54
46	New Hippocampal Neurons Mature Rapidly in Response to Ketamine But Are Not Required for Its Acute Antidepressant Effects on Neophagia in Rats. ENeuro, 2016, 3, ENEURO.0116-15.2016.	1.9	54
47	Chronic swim stress alters sensitivity to acute behavioral effects of ethanol in mice. Physiology and Behavior, 2007, 91, 77-86.	2.1	51
48	Lasting Adaptations in Social Behavior Produced by Social Disruption and Inhibition of Adult Neurogenesis. Journal of Neuroscience, 2016, 36, 7027-7038.	3.6	48
49	Axonal ribosomes and mRNAs associate with fragile X granules in adult rodent and human brains. Human Molecular Genetics, 2017, 26, ddw381.	2.9	48
50	A Transgenic Rat for Specifically Inhibiting Adult Neurogenesis. ENeuro, 2016, 3, ENEURO.0064-16.2016.	1.9	47
51	Organization of mitochondria in olfactory bulb granule cell dendritic spines. Synapse, 1991, 8, 107-118.	1.2	44
52	Ongoing neurogenesis in the adult dentate gyrus mediates behavioral responses to ambiguous threat cues. PLoS Biology, 2017, 15, e2001154.	5.6	43
53	Septo-temporal gradients of neurogenesis and activity in 13-month-old rats. Neurobiology of Aging, 2011, 32, 1149-1156.	3.1	35
54	Complementary activation of hippocampalâ€“cortical subregions and immature neurons following chronic training in single and multiple context versions of the water maze. Behavioural Brain Research, 2012, 227, 330-339.	2.2	34

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55	Expression of adrenal steroid receptors by newly born cells and pyknotic cells in the dentate gyrus of the postnatal rat. Molecular and Cellular Neurosciences, 1992, 3, 44-48.	2.2	33
56	Adult-Born Neurons in the Hippocampus Are Essential for Social Memory Maintenance. ENeuro, 2020, 7, ENEURO.0182-20.2020.	1.9	31
57	DPP6 Loss Impacts Hippocampal Synaptic Development and Induces Behavioral Impairments in Recognition, Learning and Memory. Frontiers in Cellular Neuroscience, 2018, 12, 84.	3.7	28
58	Activity-dependent isomerization of Kv4.2 by Pin1 regulates cognitive flexibility. Nature Communications, 2020, 11, 1567.	12.8	28
59	Adult Neurogenesis Is Necessary to Refine and Maintain Circuit Specificity. Journal of Neuroscience, 2014, 34, 13801-13810.	3.6	26
60	New neurons restore structural and behavioral abnormalities in a rat model of PTSD. Hippocampus, 2019, 29, 848-861.	1.9	26
61	Different regulation of adult hippocampal neurogenesis in Western house mice (Mus musculus) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	21
62	Analysis of radiation therapy in a model of triple-negative breast cancer brain metastasis. Clinical and Experimental Metastasis, 2015, 32, 717-727.	3.3	21
63	Anxiolytic Actions of Exercise in Absence of New Neurons. Hippocampus, 2016, 26, 1373-1378.	1.9	20
64	Magnetic resonance imaging of odorant activity-dependent migration of neural precursor cells and olfactory bulb growth. NeuroImage, 2017, 158, 232-241.	4.2	16
65	Chapter 19 Resolving a mystery: progress in understanding the function of adrenal steroid receptors in hippocampus. Progress in Brain Research, 1994, 100, 149-155.	1.4	15
66	A role for hippocampal adult neurogenesis in shifting attention toward novel stimuli. Behavioural Brain Research, 2019, 376, 112152.	2.2	15
67	Short-term and long-term effects of postnatal exposure to an adult male in C57BL/6J mice. Behavioural Brain Research, 2007, 182, 344-348.	2.2	14
68	Adult neurogenesis affects motivation to obtain weak, but not strong, reward in operant tasks. Hippocampus, 2018, 28, 512-522.	1.9	13
69	Environmental Control of Adult Neurogenesis: From Hippocampal Homeostasis to Behavior and Disease. Neural Plasticity, 2014, 2014, 1-3.	2.2	12
70	The Effects of Anesthesia on Adult Hippocampal Neurogenesis. Frontiers in Neuroscience, 2020, 14, 588356.	2.8	11
71	Do new neurons have a functional role in the adult hippocampus?. Debates in Neuroscience, 2007, 1, 26-32.	1.7	9
72	Adultâ€born granule cell mossy fibers preferentially target parvalbuminâ€positive interneurons surrounded by perineuronal nets. Hippocampus, 2021, 31, 375-388.	1.9	8

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73	Quantitative Analysis of In Vivo Cell Proliferation. Current Protocols in Neuroscience, 2006, 37, 3.9.1-3.9.15.	2.6	7
74	Adult neurogenesis alters response to an aversive distractor in a labyrinth maze without affecting spatial learning or memory. Hippocampus, 2021, 31, 102-114.	1.9	5
75	A Tribute to Bruce S. McEwen. Trends in Neurosciences, 2020, 43, 127-130.	8.6	3
76	Inhibition of Hippocampal Neurogenesis Starting in Adolescence Increases Anxiodepressive Behaviors Amid Stress. Frontiers in Behavioral Neuroscience, 0, 16, .	2.0	2
77	Neurolastin, a dynamin family GTPase, translocates to mitochondria upon neuronal stress and alters mitochondrial morphology in vivo. Journal of Biological Chemistry, 2019, 294, 11498-11512.	3.4	1
78	Cover Image, Volume 31, Issue 4. Hippocampus, 2021, 31, C1.	1.9	0