Tara L Walker

List of Publications by Year
in descending order

39 papers	2,135 citations	257450 24 h-index	315739 38 g-index
41 all docs	41 docs citations	41 times ranked	3260 citing authors

#	Article	IF	Citations
1	Isolation and Culture of Adult Hippocampal Precursor Cells as Free-Floating. Methods in Molecular Biology, 2022, 2389, 33-44.	0.9	1
2	Selenium mediates exercise-induced adult neurogenesis and reverses learning deficits induced by hippocampal injury and aging. Cell Metabolism, 2022, 34, 408-423.e8.	16.2	58
3	Protocol for three alternative paradigms to test spatial learning and memory in mice. STAR Protocols, 2022, 3, 101500.	1.2	4
4	ROS Dynamics Delineate Functional States of Hippocampal Neural Stem Cells and Link to Their Activity-Dependent Exit from Quiescence. Cell Stem Cell, 2021, 28, 300-314.e6.	11.1	55
5	Apple Peel and Flesh Contain Pro-neurogenic Compounds. Stem Cell Reports, 2021, 16, 548-565.	4.8	16
6	Platelets in Neurodegenerative Conditionsâ€"Friend or Foe?. Frontiers in Immunology, 2020, 11, 747.	4.8	50
7	The systemic exercise-released chemokine lymphotactin/XCL1 modulates in vitro adult hippocampal precursor cell proliferation and neuronal differentiation. Scientific Reports, 2019, 9, 11831.	3.3	6
8	Impaired adult hippocampal neurogenesis in a mouse model of familial hypercholesterolemia: A role for the LDL receptor and cholesterol metabolism in adult neural precursor cells. Molecular Metabolism, 2019, 30, 1-15.	6.5	19
9	Platelets: The missing link between the blood and brain?. Progress in Neurobiology, 2019, 183, 101695.	5.7	49
10	MiR-135a-5p Is Critical for Exercise-Induced Adult Neurogenesis. Stem Cell Reports, 2019, 12, 1298-1312.	4.8	37
11	Exercise-Induced Activated Platelets Increase Adult Hippocampal Precursor Proliferation and Promote Neuronal Differentiation. Stem Cell Reports, 2019, 12, 667-679.	4.8	68
12	T Lymphocytes Contribute to the Control of Baseline Neural Precursor Cell Proliferation but Not the Exercise-Induced Up-Regulation of Adult Hippocampal Neurogenesis. Frontiers in Immunology, 2018, 9, 2856.	4.8	9
13	p27kip1 Is Required for Functionally Relevant Adult Hippocampal Neurogenesis in Mice. Stem Cells, 2017, 35, 787-799.	3.2	11
14	Mast cells increase adult neural precursor proliferation and differentiation but this potential is not realized in vivo under physiological conditions. Scientific Reports, 2017, 7, 17859.	3.3	11
15	Isolation, Culture and Differentiation of Adult Hippocampal Precursor Cells. Bio-protocol, 2017, 7, e2603.	0.4	11
16	A Common Language: How Neuroimmunological Cross Talk Regulates Adult Hippocampal Neurogenesis. Stem Cells International, 2016, 2016, 1-13.	2.5	22
17	Different Mechanisms Must Be Considered to Explain the Increase in Hippocampal Neural Precursor Cell Proliferation by Physical Activity. Frontiers in Neuroscience, 2016, 10, 362.	2.8	36
18	Lysophosphatidic Acid Receptor Is a Functional Marker of Adult Hippocampal Precursor Cells. Stem Cell Reports, 2016, 6, 552-565.	4.8	61

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19	Transplanted Dentate Progenitor Cells Show Increased Survival in an Enriched Environment but Do Not Exert a Neurotrophic Effect on Spatial Memory within 2 Weeks of Engraftment. Cell Transplantation, 2015, 24, 2435-2448.	2.5	3
20	Is silence golden? Effects of auditory stimuli and their absence on adult hippocampal neurogenesis. Brain Structure and Function, 2015, 220, 1221-1228.	2.3	42
21	Acute effects of wheel running on adult hippocampal precursor cells in mice are not caused by changes in cell cycle length or S phase length. Frontiers in Neuroscience, 2014, 8, 314.	2.8	31
22	One Mouse, Two Cultures: Isolation and Culture of Adult Neural Stem Cells from the Two Neurogenic Zones of Individual Mice. Journal of Visualized Experiments, 2014, , e51225.	0.3	113
23	Prominin-1 Allows Prospective Isolation of Neural Stem Cells from the Adult Murine Hippocampus. Journal of Neuroscience, 2013, 33, 3010-3024.	3.6	63
24	Immature Doublecortin-Positive Hippocampal Neurons Are Important for Learning But Not for Remembering. Journal of Neuroscience, 2013, 33, 6603-6613.	3.6	114
25	Delayed and Transient Increase of Adult Hippocampal Neurogenesis by Physical Exercise in DBA/2 Mice. PLoS ONE, 2013, 8, e83797.	2.5	32
26	Activation of latent precursors in the hippocampus is dependent on long-term potentiation. Translational Psychiatry, 2012, 2, e72-e72.	4.8	16
27	Prolactin Stimulates Precursor Cells in the Adult Mouse Hippocampus. PLoS ONE, 2012, 7, e44371.	2.5	68
28	Oncostatin M regulates neural precursor activity in the adult brain. Developmental Neurobiology, 2011, 71, 619-633.	3.0	22
29	The Latent Stem Cell Population Is Retained in the Hippocampus of Transgenic Huntington's Disease Mice but Not Wild-Type Mice. PLoS ONE, 2011, 6, e18153.	2.5	12
30	Endogenous Interferon Â Directly Regulates Neural Precursors in the Non-Inflammatory Brain. Journal of Neuroscience, 2010, 30, 9038-9050.	3.6	74
31	Subcellular compartment targeting of layered double hydroxide nanoparticles. Journal of Controlled Release, 2008, 130, 86-94.	9.9	249
32	Latent Stem and Progenitor Cells in the Hippocampus Are Activated by Neural Excitation. Journal of Neuroscience, 2008, 28, 5240-5247.	3.6	109
33	The Doublecortin-Expressing Population in the Developing and Adult Brain Contains Multipotential Precursors in Addition to Neuronal-Lineage Cells. Journal of Neuroscience, 2007, 27, 3734-3742.	3.6	129
34	Layered double hydroxide nanoparticles as cellular delivery vectors of supercoiled plasmid DNA. International Journal of Nanomedicine, 2007, 2, 163-74.	6.7	88
35	ALGAL TRANSGENICS IN THE GENOMIC ERA1. Journal of Phycology, 2005, 41, 1077-1093.	2.3	128
36	Characterisation of the Dunaliella tertiolecta RbcS genes and their promoter activity in Chlamydomonas reinhardtii. Plant Cell Reports, 2005, 23, 727-735.	5.6	40

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37	Microalgae as bioreactors. Plant Cell Reports, 2005, 24, 629-641.	5.6	243
38	Towards the development of a nuclear transformation system for Dunaliella tertiolecta. Journal of Applied Phycology, 2005, 17, 363-368.	2.8	29
39	Isolation and characterisation of components of the Dunaliella tertiolecta chloroplast genome. Journal of Applied Phycology, 2005, 17, 495-508.	2.8	3