

Tara L Walker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6449579/publications.pdf>

Version: 2024-02-01

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	Subcellular compartment targeting of layered double hydroxide nanoparticles. <i>Journal of Controlled Release</i> , 2008, 130, 86-94.	9.9	249
2	Microalgae as bioreactors. <i>Plant Cell Reports</i> , 2005, 24, 629-641.	5.6	243
3	The Doublecortin-Expressing Population in the Developing and Adult Brain Contains Multipotential Precursors in Addition to Neuronal-Lineage Cells. <i>Journal of Neuroscience</i> , 2007, 27, 3734-3742.	3.6	129
4	ALGAL TRANSGENICS IN THE GENOMIC ERA1. <i>Journal of Phycology</i> , 2005, 41, 1077-1093.	2.3	128
5	Immature Doublecortin-Positive Hippocampal Neurons Are Important for Learning But Not for Remembering. <i>Journal of Neuroscience</i> , 2013, 33, 6603-6613.	3.6	114
6	One Mouse, Two Cultures: Isolation and Culture of Adult Neural Stem Cells from the Two Neurogenic Zones of Individual Mice. <i>Journal of Visualized Experiments</i> , 2014, , e51225.	0.3	113
7	Latent Stem and Progenitor Cells in the Hippocampus Are Activated by Neural Excitation. <i>Journal of Neuroscience</i> , 2008, 28, 5240-5247.	3.6	109
8	Layered double hydroxide nanoparticles as cellular delivery vectors of supercoiled plasmid DNA. <i>International Journal of Nanomedicine</i> , 2007, 2, 163-74.	6.7	88
9	Endogenous Interferon β Directly Regulates Neural Precursors in the Non-Inflammatory Brain. <i>Journal of Neuroscience</i> , 2010, 30, 9038-9050.	3.6	74
10	Prolactin Stimulates Precursor Cells in the Adult Mouse Hippocampus. <i>PLoS ONE</i> , 2012, 7, e44371.	2.5	68
11	Exercise-Induced Activated Platelets Increase Adult Hippocampal Precursor Proliferation and Promote Neuronal Differentiation. <i>Stem Cell Reports</i> , 2019, 12, 667-679.	4.8	68
12	Prominin-1 Allows Prospective Isolation of Neural Stem Cells from the Adult Murine Hippocampus. <i>Journal of Neuroscience</i> , 2013, 33, 3010-3024.	3.6	63
13	Lysophosphatidic Acid Receptor Is a Functional Marker of Adult Hippocampal Precursor Cells. <i>Stem Cell Reports</i> , 2016, 6, 552-565.	4.8	61
14	Selenium mediates exercise-induced adult neurogenesis and reverses learning deficits induced by hippocampal injury and aging. <i>Cell Metabolism</i> , 2022, 34, 408-423.e8.	16.2	58
15	ROS Dynamics Delineate Functional States of Hippocampal Neural Stem Cells and Link to Their Activity-Dependent Exit from Quiescence. <i>Cell Stem Cell</i> , 2021, 28, 300-314.e6.	11.1	55
16	Platelets in Neurodegenerative Conditions—Friend or Foe?. <i>Frontiers in Immunology</i> , 2020, 11, 747.	4.8	50
17	Platelets: The missing link between the blood and brain?. <i>Progress in Neurobiology</i> , 2019, 183, 101695.	5.7	49
18	Is silence golden? Effects of auditory stimuli and their absence on adult hippocampal neurogenesis. <i>Brain Structure and Function</i> , 2015, 220, 1221-1228.	2.3	42

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19	Characterisation of the <i>Dunaliella tertiolecta</i> RbcS genes and their promoter activity in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell Reports</i> , 2005, 23, 727-735.	5.6	40
20	MiR-135a-5p Is Critical for Exercise-Induced Adult Neurogenesis. <i>Stem Cell Reports</i> , 2019, 12, 1298-1312.	4.8	37
21	Different Mechanisms Must Be Considered to Explain the Increase in Hippocampal Neural Precursor Cell Proliferation by Physical Activity. <i>Frontiers in Neuroscience</i> , 2016, 10, 362.	2.8	36
22	Delayed and Transient Increase of Adult Hippocampal Neurogenesis by Physical Exercise in DBA/2 Mice. <i>PLoS ONE</i> , 2013, 8, e83797.	2.5	32
23	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. <i>Frontiers in Neuroscience</i> , 2014, 8, 314.	2.8	31
24	Towards the development of a nuclear transformation system for <i>Dunaliella tertiolecta</i> . <i>Journal of Applied Phycology</i> , 2005, 17, 363-368.	2.8	29
25	Oncostatin M regulates neural precursor activity in the adult brain. <i>Developmental Neurobiology</i> , 2011, 71, 619-633.	3.0	22
26	A Common Language: How Neuroimmunological Cross Talk Regulates Adult Hippocampal Neurogenesis. <i>Stem Cells International</i> , 2016, 2016, 1-13.	2.5	22
27	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. <i>Molecular Metabolism</i> , 2019, 30, 1-15.	6.5	19
28	Activation of latent precursors in the hippocampus is dependent on long-term potentiation. <i>Translational Psychiatry</i> , 2012, 2, e72-e72.	4.8	16
29	Apple Peel and Flesh Contain Pro-neurogenic Compounds. <i>Stem Cell Reports</i> , 2021, 16, 548-565.	4.8	16
30	The Latent Stem Cell Population Is Retained in the Hippocampus of Transgenic Huntington's Disease Mice but Not Wild-Type Mice. <i>PLoS ONE</i> , 2011, 6, e18153.	2.5	12
31	p27kip1 Is Required for Functionally Relevant Adult Hippocampal Neurogenesis in Mice. <i>Stem Cells</i> , 2017, 35, 787-799.	3.2	11
32	Mast cells increase adult neural precursor proliferation and differentiation but this potential is not realized in vivo under physiological conditions. <i>Scientific Reports</i> , 2017, 7, 17859.	3.3	11
33	Isolation, Culture and Differentiation of Adult Hippocampal Precursor Cells. <i>Bio-protocol</i> , 2017, 7, e2603.	0.4	11
34	T Lymphocytes Contribute to the Control of Baseline Neural Precursor Cell Proliferation but Not the Exercise-Induced Up-Regulation of Adult Hippocampal Neurogenesis. <i>Frontiers in Immunology</i> , 2018, 9, 2856.	4.8	9
35	The systemic exercise-released chemokine lymphotactin/XCL1 modulates in vitro adult hippocampal precursor cell proliferation and neuronal differentiation. <i>Scientific Reports</i> , 2019, 9, 11831.	3.3	6
36	Protocol for three alternative paradigms to test spatial learning and memory in mice. <i>STAR Protocols</i> , 2022, 3, 101500.	1.2	4

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37	Isolation and characterisation of components of the <i>Dunaliella tertiolecta</i> chloroplast genome. <i>Journal of Applied Phycology</i> , 2005, 17, 495-508.	2.8	3
38	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. <i>Cell Transplantation</i> , 2015, 24, 2435-2448.	2.5	3
39	Isolation and Culture of Adult Hippocampal Precursor Cells as Free-Floating. <i>Methods in Molecular Biology</i> , 2022, 2389, 33-44.	0.9	1