

Diane C Lagace

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

6,136
citations

126858

33
h-index

133188

59
g-index

61
all docs

61
docs citations

61
times ranked

9848
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation of the side population from neurogenic niches enriches for endothelial cells. <i>PLoS ONE</i> , 2022, 17, e0250752.	1.1	0
2	Single-Cell and Single-Nucleus RNAseq Analysis of Adult Neurogenesis. <i>Cells</i> , 2022, 11, 1633.	1.8	8
3	Developmental and interventional plasticity of motor maps after perinatal stroke. <i>Journal of Neuroscience</i> , 2021, , JN-RM-3185-20.	1.7	3
4	The Emergence of Stereotyped Kinematic Synergies when Mice Reach to Grasp Following Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2021, , 154596832110581.	1.4	4
5	An antibody for analysis of autophagy induction. <i>Nature Methods</i> , 2020, 17, 232-239.	9.0	44
6	Metformin promotes CNS remyelination and improves social interaction following focal demyelination through CBP Ser436 phosphorylation. <i>Experimental Neurology</i> , 2020, 334, 113454.	2.0	13
7	Role of Myocardial Infarction-Induced Neuroinflammation for Depression-Like Behavior and Heart Failure in Ovariectomized Female Rats. <i>Neuroscience</i> , 2019, 415, 201-214.	1.1	12
8	Inhibition of inflammation by minocycline improves heart failure and depression-like behaviour in rats after myocardial infarction. <i>PLoS ONE</i> , 2019, 14, e0217437.	1.1	25
9	Short- and Long-term Exposure to Low and High Dose Running Produce Differential Effects on Hippocampal Neurogenesis. <i>Neuroscience</i> , 2018, 369, 202-211.	1.1	16
10	Excitable Adult-Generated GABAergic Neurons Acquire Functional Innervation in the Cortex after Stroke. <i>Stem Cell Reports</i> , 2018, 11, 1327-1336.	2.3	15
11	Adult hippocampal neurogenesis occurs in the absence of Presenilin 1 and Presenilin 2. <i>Scientific Reports</i> , 2018, 8, 17931.	1.6	7
12	The Multi-pronged Regulation of Adult Neurogenesis by Forkhead Box O Family Members. <i>Neuron</i> , 2018, 99, 1099-1101.	3.8	2
13	Sex differences in depression-like behavior and neuroinflammation in rats post-MI: role of estrogens. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H1159-H1173.	1.5	25
14	Holocranohistochemistry enables the visualization of α -synuclein expression in the murine olfactory system and discovery of its systemic anti-microbial effects. <i>Journal of Neural Transmission</i> , 2017, 124, 721-738.	1.4	42
15	Mitochondrial dysfunction underlies cognitive defects as a result of neural stem cell depletion and impaired neurogenesis. <i>Human Molecular Genetics</i> , 2017, 26, 3327-3341.	1.4	124
16	The α PKC-CBP Pathway Regulates Post-stroke Neurovascular Remodeling and Functional Recovery. <i>Stem Cell Reports</i> , 2017, 9, 1735-1744.	2.3	24
17	Autophagy and Adult Neurogenesis: Discoveries Made Half a Century Ago Yet in their Infancy of being Connected. <i>Brain Plasticity</i> , 2017, 3, 99-110.	1.9	13
18	Loss of IRF2BP2 in Microglia Increases Inflammation and Functional Deficits after Focal Ischemic Brain Injury. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 201.	1.8	38

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19	Stress-Induced Anxiety- and Depressive-Like Phenotype Associated with Transient Reduction in Neurogenesis in Adult Nestin-CreERT2/Diphtheria Toxin Fragment A Transgenic Mice. PLoS ONE, 2016, 11, e0147256.	1.1	46
20	RB regulates the production and the survival of newborn neurons in the embryonic and adult dentate gyrus. Hippocampus, 2016, 26, 1379-1392.	0.9	18
21	Mitochondrial Dynamics Impacts Stem Cell Identity and Fate Decisions by Regulating a Nuclear Transcriptional Program. Cell Stem Cell, 2016, 19, 232-247.	5.2	469
22	Absence of neurogenic response following robust predator-induced stress response. Neuroscience, 2016, 339, 276-286.	1.1	13
23	The aPKC-CBP Pathway Regulates Adult Hippocampal Neurogenesis in an Age-Dependent Manner. Stem Cell Reports, 2016, 7, 719-734.	2.3	12
24	Sex-dependent adaptive changes in serotonin-1A autoreceptor function and anxiety in Deaf1-deficient mice. Molecular Brain, 2016, 9, 77.	1.3	22
25	Bcl-2 is required for the survival of doublecortin-expressing immature neurons. Hippocampus, 2016, 26, 211-219.	0.9	8
26	Pannexin 1 Differentially Affects Neural Precursor Cell Maintenance in the Ventricular Zone and Peri-Infarct Cortex. Journal of Neuroscience, 2016, 36, 1203-1210.	1.7	40
27	CDK5 phosphorylates DRP1 and drives mitochondrial defects in NMDA-induced neuronal death. Human Molecular Genetics, 2015, 24, 4573-4583.	1.4	76
28	Chronic Stress Induces Anxiety via an Amygdalar Intracellular Cascade that Impairs Endocannabinoid Signaling. Neuron, 2015, 85, 1319-1331.	3.8	81
29	Doublecortin (DCX) is not Essential for Survival and Differentiation of Newborn Neurons in the Adult Mouse Dentate Gyrus. Frontiers in Neuroscience, 2015, 9, 494.	1.4	12
30	A longitudinal study of stress-induced hippocampal volume changes in mice that are susceptible or resilient to chronic social defeat. Hippocampus, 2014, 24, 1120-1128.	0.9	58
31	Autophagy supports genomic stability by degrading retrotransposon RNA. Nature Communications, 2014, 5, 5276.	5.8	120
32	Developmental and Adult GAP-43 Deficiency in Mice Dynamically Alters Hippocampal Neurogenesis and Mossy Fiber Volume. Developmental Neuroscience, 2014, 36, 44-63.	1.0	24
33	Opposing Regulation of Sox2 by Cell-Cycle Effectors E2f3a and E2f3b in Neural Stem Cells. Cell Stem Cell, 2013, 12, 440-452.	5.2	68
34	Conditional Disruption of Calpain in the CNS Alters Dendrite Morphology, Impairs LTP, and Promotes Neuronal Survival following Injury. Journal of Neuroscience, 2013, 33, 5773-5784.	1.7	87
35	<i>In vivo</i> contribution of nestin- and GLAST-lineage cells to adult hippocampal neurogenesis. Hippocampus, 2013, 23, 708-719.	0.9	101
36	Progressive dopaminergic cell loss with unilateral-to-bilateral progression in a genetic model of Parkinson disease. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15918-15923.	3.3	72

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37	Cell-Autonomous Inactivation of the Reelin Pathway Impairs Adult Neurogenesis in the Hippocampus. <i>Journal of Neuroscience</i> , 2012, 32, 12051-12065.	1.7	78
38	LIM Domain Only 4 (LMO4) Regulates Calcium-Induced Calcium Release and Synaptic Plasticity in the Hippocampus. <i>Journal of Neuroscience</i> , 2012, 32, 4271-4283.	1.7	38
39	The neurogenesis hypothesis of affective and anxiety disorders: Are we mistaking the scaffolding for the building?. <i>Neuropharmacology</i> , 2012, 62, 21-34.	2.0	209
40	Does the endogenous neurogenic response alter behavioral recovery following stroke?. <i>Behavioural Brain Research</i> , 2012, 227, 426-432.	1.2	30
41	Block of glucocorticoid synthesis during re-activation inhibits extinction of an established fear memory. <i>Neurobiology of Learning and Memory</i> , 2011, 95, 453-460.	1.0	63
42	Visualization and genetic manipulation of adult neurogenesis using transgenic mice. <i>European Journal of Neuroscience</i> , 2011, 33, 1025-1036.	1.2	68
43	Focal cerebral ischemia induces a multilineage cytogenic response from adult subventricular zone that is predominantly gliogenic. <i>Glia</i> , 2010, 58, 1610-1619.	2.5	118
44	Adult hippocampal neurogenesis is functionally important for stress-induced social avoidance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4436-4441.	3.3	289
45	Neurod1 is essential for the survival and maturation of adult-born neurons. <i>Nature Neuroscience</i> , 2009, 12, 1090-1092.	7.1	394
46	Making a neuron: Cdk5 in embryonic and adult neurogenesis. <i>Trends in Neurosciences</i> , 2009, 32, 575-582.	4.2	89
47	Fate Mapping and Lineage Analyses Demonstrate the Production of a Large Number of Striatal Neuroblasts After Transforming Growth Factor β and Noggin Striatal Infusions into the Dopamine-Depleted Striatum. <i>Stem Cells</i> , 2008, 26, 2349-2360.	1.4	61
48	Calcium-Sensitive Adenylyl Cyclases in Depression and Anxiety: Behavioral and Biochemical Consequences of Isoform Targeting. <i>Biological Psychiatry</i> , 2008, 64, 336-343.	0.7	55
49	Cdk5 is essential for adult hippocampal neurogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18567-18571.	3.3	104
50	Dynamic Contribution of Nestin-Expressing Stem Cells to Adult Neurogenesis. <i>Journal of Neuroscience</i> , 2007, 27, 12623-12629.	1.7	443
51	Hippocampal Neurogenesis: A Matter of Survival. <i>American Journal of Psychiatry</i> , 2007, 164, 205-205.	4.0	5
52	Molecular Adaptations Underlying Susceptibility and Resistance to Social Defeat in Brain Reward Regions. <i>Cell</i> , 2007, 131, 391-404.	13.5	1,927
53	Gender and endogenous levels of estradiol do not influence adult hippocampal neurogenesis in mice. <i>Hippocampus</i> , 2007, 17, 175-180.	0.9	125
54	Juvenile Administration of Methylphenidate Attenuates Adult Hippocampal Neurogenesis. <i>Biological Psychiatry</i> , 2006, 60, 1121-1130.	0.7	80

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55	Mood-stabilizing Drugs: Are Their Neuroprotective Aspects Clinically Relevant?. Psychiatric Clinics of North America, 2005, 28, 399-414.	0.7	10
56	Inhibition of Histone Deacetylase Activity by Valproic Acid Blocks Adipogenesis. Journal of Biological Chemistry, 2004, 279, 18851-18860.	1.6	88
57	Valproic acid: how it works. Or not. Clinical Neuroscience Research, 2004, 4, 215-225.	0.8	42
58	No evidence of attentional deficits in stabilized bipolar youth relative to unipolar and control comparators. Bipolar Disorders, 2003, 5, 330-339.	1.1	38
59	Valproic acid fails to induce polycystic ovary syndrome in female rats. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2003, 27, 587-594.	2.5	13
60	Mathematics Deficits in Adolescents With Bipolar I Disorder. American Journal of Psychiatry, 2003, 160, 100-104.	4.0	27