

# Theo D Palmer

## List of Publications by Year in descending order

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89  
papers

22,303  
citations

34016

52  
h-index

54797

84  
g-index

96  
all docs

96  
docs citations

96  
times ranked

21832  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional neurogenesis in the adult hippocampus. <i>Nature</i> , 2002, 415, 1030-1034.	13.7	2,558
2	Inflammatory Blockade Restores Adult Hippocampal Neurogenesis. <i>Science</i> , 2003, 302, 1760-1765.	6.0	2,182
3	Vascular niche for adult hippocampal neurogenesis. <i>Journal of Comparative Neurology</i> , 2000, 425, 479-494.	0.9	1,700
4	Irradiation induces neural precursor-cell dysfunction. <i>Nature Medicine</i> , 2002, 8, 955-962.	15.2	1,118
5	The Adult Rat Hippocampus Contains Primordial Neural Stem Cells. <i>Molecular and Cellular Neurosciences</i> , 1997, 8, 389-404.	1.0	1,005
6	Fibroblast Growth Factor-2 Activates a Latent Neurogenic Program in Neural Stem Cells from Diverse Regions of the Adult CNS. <i>Journal of Neuroscience</i> , 1999, 19, 8487-8497.	1.7	844
7	Proliferation and Differentiation of Progenitor Cells Throughout the Intact Adult Rat Spinal Cord. <i>Journal of Neuroscience</i> , 2000, 20, 2218-2228.	1.7	724
8	VEGF is necessary for exercise-induced adult hippocampal neurogenesis. <i>European Journal of Neuroscience</i> , 2003, 18, 2803-2812.	1.2	693
9	LRRK2 Mutant iPSC-Derived DA Neurons Demonstrate Increased Susceptibility to Oxidative Stress. <i>Cell Stem Cell</i> , 2011, 8, 267-280.	5.2	668
10	Multipotent progenitor cells in the adult dentate gyrus. , 1998, 36, 249-266.		635
11	Excitation-Neurogenesis Coupling in Adult Neural Stem/Progenitor Cells. <i>Neuron</i> , 2004, 42, 535-552.	3.8	606
12	Extreme sensitivity of adult neurogenesis to low doses of X-irradiation. <i>Cancer Research</i> , 2003, 63, 4021-7.	0.4	538
13	FoxO3 Regulates Neural Stem Cell Homeostasis. <i>Cell Stem Cell</i> , 2009, 5, 527-539.	5.2	526
14	Using iPSC-derived neurons to uncover cellular phenotypes associated with Timothy syndrome. <i>Nature Medicine</i> , 2011, 17, 1657-1662.	15.2	521
15	Progenitor cells from human brain after death. <i>Nature</i> , 2001, 411, 42-43.	13.7	436
16	Retinoic acid and neurotrophins collaborate to regulate neurogenesis in adult-derived neural stem cell cultures. <i>Journal of Neurobiology</i> , 1999, 38, 65-81.	3.7	384
17	Functional Impairment in Miro Degradation and Mitophagy Is a Shared Feature in Familial and Sporadic Parkinson's Disease. <i>Cell Stem Cell</i> , 2016, 19, 709-724.	5.2	371
18	Long-term monitoring of transplanted human neural stem cells in developmental and pathological contexts with MRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10211-10216.	3.3	326

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19	Radiation injury and neurogenesis. <i>Current Opinion in Neurology</i> , 2003, 16, 129-134.	1.8	300
20	Wnt-mediated self-renewal of neural stem/progenitor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16970-16975.	3.3	286
21	Widespread Integration and Survival of Adult-Derived Neural Progenitor Cells in the Developing Optic Retina. <i>Molecular and Cellular Neurosciences</i> , 1998, 12, 340-348.	1.0	283
22	Impaired human hippocampal neurogenesis after treatment for central nervous system malignancies. <i>Annals of Neurology</i> , 2007, 62, 515-520.	2.8	261
23	IGF-I has a direct proliferative effect in adult hippocampal progenitor cells. <i>Molecular and Cellular Neurosciences</i> , 2003, 24, 23-40.	1.0	258
24	SNCA Triplication Parkinson's Patient's iPSC-derived DA Neurons Accumulate $\alpha$ -Synuclein and Are Susceptible to Oxidative Stress. <i>PLoS ONE</i> , 2011, 6, e26159.	1.1	257
25	RNA-protein interaction detection in living cells. <i>Nature Methods</i> , 2018, 15, 207-212.	9.0	234
26	Neurogenesis in Rats After Focal Cerebral Ischemia is Enhanced by Indomethacin. <i>Stroke</i> , 2005, 36, 2718-2724.	1.0	228
27	Transplanted Stem Cell-Secreted Vascular Endothelial Growth Factor Effects Poststroke Recovery, Inflammation, and Vascular Repair. <i>Stem Cells</i> , 2011, 29, 274-285.	1.4	219
28	Exploring the regulation of human neural precursor cell differentiation using arrays of signaling microenvironments. <i>Molecular Systems Biology</i> , 2006, 2, 37.	3.2	204
29	Sleep Restriction Suppresses Neurogenesis Induced by Hippocampus-Dependent Learning. <i>Journal of Neurophysiology</i> , 2005, 94, 4224-4233.	0.9	198
30	Immune Influence on Adult Neural Stem Cell Regulation and Function. <i>Neuron</i> , 2009, 64, 79-92.	3.8	198
31	Radiation Response of Neural Precursor Cells: Linking Cellular Sensitivity to Cell Cycle Checkpoints, Apoptosis and Oxidative Stress. <i>Radiation Research</i> , 2004, 161, 17-27.	0.7	190
32	Radiation injury and neurogenesis. <i>Current Opinion in Neurology</i> , 2003, 16, 129-134.	1.8	187
33	Stress and glucocorticoids promote oligodendrogenesis in the adult hippocampus. <i>Molecular Psychiatry</i> , 2014, 19, 1275-1283.	4.1	175
34	NEUROSCIENCE: Cellular Interactions in the Stem Cell Niche. <i>Science</i> , 2004, 304, 1253-1255.	6.0	138
35	Novel Neuronal Phenotypes from Neural Progenitor Cells. <i>Journal of Neuroscience</i> , 2004, 24, 2886-2897.	1.7	132
36	Enriched Monolayer Precursor Cell Cultures from Micro-Dissected Adult Mouse Dentate Gyrus Yield Functional Granule Cell-Like Neurons. <i>PLoS ONE</i> , 2007, 2, e388.	1.1	127

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37	Chronically Increased Transforming Growth Factor- $\beta$ 1 Strongly Inhibits Hippocampal Neurogenesis in Aged Mice. <i>American Journal of Pathology</i> , 2006, 169, 154-164.	1.9	124
38	Human 3D cellular model of hypoxic brain injury of prematurity. <i>Nature Medicine</i> , 2019, 25, 784-791.	15.2	123
39	A central role for the small GTPase Rac1 in hippocampal plasticity and spatial learning and memory. <i>Molecular and Cellular Neurosciences</i> , 2009, 41, 409-419.	1.0	114
40	A Protocol for Isolation and Enriched Monolayer Cultivation of Neural Precursor Cells from Mouse Dentate Gyrus. <i>Frontiers in Neuroscience</i> , 2011, 5, 89.	1.4	110
41	Differential roles of TNFR1 and TNFR2 signaling in adult hippocampal neurogenesis. <i>Brain, Behavior, and Immunity</i> , 2013, 30, 45-53.	2.0	109
42	New roles for astrocytes: The nightlife of an "astrocyte". <i>Trends in Neurosciences</i> , 2003, 26, 597-603.	4.2	104
43	Adult neurogenesis: a compensatory mechanism for neuronal damage. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2001, 251, 152-158.	1.8	97
44	The CCR2/CCL2 Interaction Mediates the Transendothelial Recruitment of Intravascularly Delivered Neural Stem Cells to the Ischemic Brain. <i>Stroke</i> , 2011, 42, 2923-2931.	1.0	93
45	Placental TNF- $\beta$ Signaling in Illness-Induced Complications of Pregnancy. <i>American Journal of Pathology</i> , 2011, 178, 2802-2810.	1.9	91
46	Murine Embryonic Stem Cell-Derived Pyramidal Neurons Integrate into the Cerebral Cortex and Appropriately Project Axons to Subcortical Targets. <i>Journal of Neuroscience</i> , 2010, 30, 894-904.	1.7	87
47	Lineage tracing with Axin2 reveals distinct developmental and adult populations of Wnt/ $\beta$ -catenin-responsive neural stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7324-7329.	3.3	87
48	Neurogenesis and Alterations of Neural Stem Cells in Mouse Models of Cerebral Amyloidosis. <i>American Journal of Pathology</i> , 2008, 172, 1520-1528.	1.9	82
49	The search for neural progenitor cells: prospects for the therapy of neurodegenerative disease. <i>Trends in Molecular Medicine</i> , 1999, 5, 474-480.	2.6	73
50	Neural progenitor cells transplanted into the uninjured brain undergo targeted migration after stroke onset. <i>Journal of Neuroscience Research</i> , 2008, 86, 873-882.	1.3	71
51	Functional Engraftment of the Medial Ganglionic Eminence Cells in Experimental Stroke Model. <i>Cell Transplantation</i> , 2009, 18, 815-826.	1.2	66
52	Mitochondrial Protection Attenuates Inflammation-Induced Impairment of Neurogenesis <i>In Vitro</i> and <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 2010, 30, 12242-12251.	1.7	62
53	Adult Neurogenesis and the Vascular Nietzsche. <i>Neuron</i> , 2002, 34, 856-858.	3.8	61
54	Cellular repair of CNS disorders: an immunological perspective. <i>Human Molecular Genetics</i> , 2008, 17, R84-R92.	1.4	53

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55	PPAR $\beta$ activation prevents impairments in spatial memory and neurogenesis following transient illness. <i>Brain, Behavior, and Immunity</i> , 2013, 29, 28-38.	2.0	53
56	“Females Are Not Just “Protected” Males” Sex-Specific Vulnerabilities in Placenta and Brain after Prenatal Immune Disruption. <i>ENeuro</i> , 2019, 6, ENEURO.0358-19.2019.	0.9	52
57	PET Imaging of Stroke-Induced Neuroinflammation in Mice Using [18F]PBR06. <i>Molecular Imaging and Biology</i> , 2014, 16, 109-117.	1.3	50
58	Age-like changes in the transcriptome of irradiated microglia. <i>Glia</i> , 2015, 63, 754-767.	2.5	50
59	Absence of CCL2 is sufficient to restore hippocampal neurogenesis following cranial irradiation. <i>Brain, Behavior, and Immunity</i> , 2013, 30, 33-44.	2.0	48
60	Expression of IL-17B in neurons and evaluation of its possible role in the chromosome 5q-linked form of Charcot-Marie-Tooth disease. <i>Neuromuscular Disorders</i> , 2002, 12, 141-150.	0.3	47
61	Stem Cell-derived Neural Stem/Progenitor Cell Supporting Factor Is an Autocrine/Paracrine Survival Factor for Adult Neural Stem/Progenitor Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 35491-35500.	1.6	47
62	Neurodegeneration and cell replacement. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 153-170.	1.8	46
63	The Role of the Microenvironmental Niche in Declining Stem-Cell Functions Associated with Biological Aging. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2015, 5, a025874.	2.9	41
64	Efficient expression of a protein coding gene under the control of an RNA polymerase I promoter. <i>Nucleic Acids Research</i> , 1993, 21, 3451-3457.	6.5	39
65	Stereotypical Alterations in Cortical Patterning Are Associated with Maternal Illness-Induced Placental Dysfunction. <i>Journal of Neuroscience</i> , 2013, 33, 16874-16888.	1.7	39
66	Neuronal Rac1 Is Required for Learning-Evoked Neurogenesis. <i>Journal of Neuroscience</i> , 2013, 33, 12229-12241.	1.7	37
67	Phosphorylation of $\beta$ -crystallin supports reactive astrogliosis in demyelination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1745-E1754.	3.3	37
68	Aberrant calcium channel splicing drives defects in cortical differentiation in Timothy syndrome. <i>ELife</i> , 2019, 8, .	2.8	35
69	MHC Mismatch Inhibits Neurogenesis and Neuron Maturation in Stem Cell Allografts. <i>PLoS ONE</i> , 2011, 6, e14787.	1.1	33
70	High-Level Human Adenosine Deaminase Expression in Dog Skin Fibroblasts Is Not Sustained Following Transplantation. <i>Human Gene Therapy</i> , 1993, 4, 3-7.	1.4	30
71	16p11.2 microdeletion imparts transcriptional alterations in human iPSC-derived models of early neural development. <i>ELife</i> , 2020, 9, .	2.8	30
72	Adult neural progenitor cells reactivate superbursting in mature neural networks. <i>Experimental Neurology</i> , 2012, 234, 20-30.	2.0	27

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73	Prolonged Expression of Therapeutic Levels of Human Granulocyte Colony-Stimulating Factor in Rats Following Gene Transfer to Skeletal Muscle. <i>Human Gene Therapy</i> , 1996, 7, 1423-1429.	1.4	23
74	Natural killer cell-activating receptor NKG2D mediates innate immune targeting of allogeneic neural progenitor cell grafts. <i>Stem Cells</i> , 2013, 31, 1829-1839.	1.4	23
75	Long-term transgene expression in mouse neural progenitor cells modified with $\Delta$ C31 integrase. <i>Journal of Neuroscience Methods</i> , 2008, 173, 299-305.	1.3	22
76	Adult-generated neurons born during chronic social stress are uniquely adapted to respond to subsequent chronic social stress. <i>Molecular Psychiatry</i> , 2019, 24, 1178-1188.	4.1	22
77	Examining Sex Differences in the Human Placental Transcriptome During the First Fetal Androgen Peak. <i>Reproductive Sciences</i> , 2021, 28, 801-818.	1.1	22
78	Characterization of axon guidance cue sensitivity of human embryonic stem cell-derived dopaminergic neurons. <i>Molecular and Cellular Neurosciences</i> , 2010, 45, 324-334.	1.0	20
79	A Knockin Reporter Allows Purification and Characterization of mDA Neurons from Heterogeneous Populations. <i>Cell Reports</i> , 2017, 18, 2533-2546.	2.9	20
80	Vacuum soft lithography to direct neuronal polarization. <i>Soft Matter</i> , 2011, 7, 343-347.	1.2	18
81	The Relationship Between Serial [ $^{18}$ F]PBR06 PET Imaging of Microglial Activation and Motor Function Following Stroke in Mice. <i>Molecular Imaging and Biology</i> , 2014, 16, 821-829.	1.3	18
82	Gene Transfer as an Approach to Cure Patients with Hemophilia A or B. <i>Current Studies in Hematology and Blood Transfusion</i> , 1991, 58, 59-62.	0.2	10
83	Where, oh where, have my stem cells gone?. <i>Trends in Neurosciences</i> , 2002, 25, 225-227.	4.2	10
84	Copernican stem cells: Regulatory constellations in adult hippocampal neurogenesis. <i>Journal of Cellular Biochemistry</i> , 2003, 88, 41-50.	1.2	10
85	Characterization of Brain Dysfunction Induced by Bacterial Lipopeptides That Alter Neuronal Activity and Network in Rodent Brains. <i>Journal of Neuroscience</i> , 2018, 38, 10672-10691.	1.7	8
86	Vascular niche for adult hippocampal neurogenesis. , 0, .		6
87	The Use of Neural Progenitor Cells for Therapy in the CNS Disorders. , 1999, , 183-V.		2
88	Mobilization of Neural Precursors in the Adult Central Nervous System. , 2006, , 343-369.		1
89	Mobilization of Neural Stem Cells in the Adult Central Nervous System. , 2012, , 289-328.		1