

Peter R Dunkley

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64
papers

2,971
citations

28
h-index

54
g-index

64
ext. papers

3,111
ext. citations

5.1
avg, IF

4.67
L-index

#	Paper	IF	Citations
64	A rapid method for isolation of synaptosomes on Percoll gradients. <i>Brain Research</i> , 1986 , 372, 115-29	3.7	389
63	Tyrosine hydroxylase phosphorylation: regulation and consequences. <i>Journal of Neurochemistry</i> , 2004 , 91, 1025-43	6	363
62	A rapid Percoll gradient procedure for isolation of synaptosomes directly from an S1 fraction: homogeneity and morphology of subcellular fractions. <i>Brain Research</i> , 1988 , 441, 59-71	3.7	349
61	A rapid Percoll gradient procedure for preparation of synaptosomes. <i>Nature Protocols</i> , 2008 , 3, 1718-28	18.8	262
60	Depolarisation-dependent protein phosphorylation in rat cortical synaptosomes: factors determining the magnitude of the response. <i>Journal of Neurochemistry</i> , 1983 , 41, 909-18	6	82
59	Modulation of the phosphorylation and activity of calcium/calmodulin-dependent protein kinase II by zinc. <i>Journal of Neurochemistry</i> , 2000 , 75, 594-605	6	68
58	Phosphorylation of Ser(19) alters the conformation of tyrosine hydroxylase to increase the rate of phosphorylation of Ser(40). <i>Journal of Biological Chemistry</i> , 2001 , 276, 40411-6	5.4	68
57	Phosphorylation of Ser19 increases both Ser40 phosphorylation and enzyme activity of tyrosine hydroxylase in intact cells. <i>Journal of Neurochemistry</i> , 2004 , 90, 857-64	6	63
56	Sustained phosphorylation of tyrosine hydroxylase at serine 40: a novel mechanism for maintenance of catecholamine synthesis. <i>Journal of Neurochemistry</i> , 2007 , 100, 479-89	6	61
55	Depolarisation-dependent protein phosphorylation and dephosphorylation in rat cortical synaptosomes is modulated by calcium. <i>Journal of Neurochemistry</i> , 1985 , 44, 338-48	6	61
54	Differential regulation of the human tyrosine hydroxylase isoforms via hierarchical phosphorylation. <i>Journal of Biological Chemistry</i> , 2006 , 281, 17644-51	5.4	60
53	Multiple forms and distribution of calcium/calmodulin-stimulated protein kinase II in brain. <i>Journal of Neurochemistry</i> , 1992 , 59, 1191-202	6	56
52	Depolarization-dependent protein phosphorylation in synaptosomes: mechanisms and significance. <i>Progress in Brain Research</i> , 1986 , 69, 273-93	2.9	55
51	Depolarization-dependent protein phosphorylation in rat cortical synaptosomes: characterization of active protein kinases by phosphopeptide analysis of substrates. <i>Journal of Neurochemistry</i> , 1986 , 46, 1692-703	6	51
50	Dephosphorylation of synaptosomal proteins P96 and P139 is regulated by both depolarization and calcium, but not by a rise in cytosolic calcium alone. <i>Journal of Neurochemistry</i> , 1987 , 48, 187-95	6	49
49	Functional programming of the autonomic nervous system by early life immune exposure: implications for anxiety. <i>PLoS ONE</i> , 2013 , 8, e57700	3.7	49
48	PACAP stimulates the sustained phosphorylation of tyrosine hydroxylase at serine 40. <i>Cellular Signalling</i> , 2007 , 19, 1141-9	4.9	40

47	A rapid Percoll gradient procedure for isolation of synaptosomes directly from an S1 fraction: viability of subcellular fractions. <i>Brain Research</i> , 1988 , 441, 72-80	3.7	40
46	Differential regulation of human tyrosine hydroxylase isoforms 1 and 2 in situ: Isoform 2 is not phosphorylated at Ser35. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009 , 1793, 1860-7	4.9	37
45	Manganese induces sustained Ser40 phosphorylation and activation of tyrosine hydroxylase in PC12 cells. <i>Journal of Neurochemistry</i> , 2009 , 110, 848-56	6	35
44	Tyrosine hydroxylase phosphorylation in vivo. <i>Journal of Neurochemistry</i> , 2019 , 149, 706-728	6	32
43	Tyrosine hydroxylase activity is regulated by two distinct dopamine-binding sites. <i>Journal of Neurochemistry</i> , 2008 , 106, 1614-23	6	31
42	Angiotensin II promotes the phosphorylation of cyclic AMP-responsive element binding protein (CREB) at Ser133 through an ERK1/2-dependent mechanism. <i>Journal of Neurochemistry</i> , 2001 , 79, 1122-8 ⁶		30
41	Tyrosine hydroxylase phosphorylation in bovine adrenal chromaffin cells: the role of MAPKs after angiotensin II stimulation. <i>Journal of Neurochemistry</i> , 2001 , 78, 490-8	6	30
40	Neurobiological consequences of acute footshock stress: effects on tyrosine hydroxylase phosphorylation and activation in the rat brain and adrenal medulla. <i>Journal of Neurochemistry</i> , 2014 , 128, 547-60	6	29
39	Tyrosine hydroxylase phosphorylation in bovine adrenal chromaffin cells: the role of intracellular Ca ²⁺ in the histamine H1 receptor-stimulated phosphorylation of Ser8, Ser19, Ser31, and Ser40. <i>Journal of Neurochemistry</i> , 1995 , 64, 1370-8	6	29
38	Tyrosine hydroxylase phosphorylation in catecholaminergic brain regions: a marker of activation following acute hypotension and glucoprivation. <i>PLoS ONE</i> , 2012 , 7, e50535	3.7	28
37	Tyrosine hydroxylase in bovine adrenal chromaffin cells: angiotensin II-stimulated activity and phosphorylation of Ser19, Ser31, and Ser40. <i>Journal of Neurochemistry</i> , 1998 , 70, 2565-73	6	28
36	Tyrosine hydroxylase dephosphorylation by protein phosphatase 2A in bovine adrenal chromaffin cells. <i>Neurochemical Research</i> , 2002 , 27, 207-13	4.6	28
35	Cadmium stimulates MAPKs and Hsp27 phosphorylation in bovine adrenal chromaffin cells. <i>Toxicology</i> , 2007 , 234, 34-43	4.4	27
34	Tetanus toxin inhibits depolarization-stimulated protein phosphorylation in rat cortical synaptosomes: effect on synapsin I phosphorylation and translocation. <i>Journal of Neurochemistry</i> , 1992 , 59, 1336-43	6	27
33	Role of protein phosphatase 2C from bovine adrenal chromaffin cells in the dephosphorylation of phospho-serine 40 tyrosine hydroxylase. <i>Journal of Neurochemistry</i> , 2003 , 85, 1368-73	6	26
32	Histamine activates tyrosine hydroxylase in bovine adrenal chromaffin cells through a pathway that involves ERK1/2 but not p38 or JNK. <i>Journal of Neurochemistry</i> , 2003 , 84, 453-8	6	24
31	Anti-RAGE antibody selectively blocks acute systemic inflammatory responses to LPS in serum, liver, CSF and striatum. <i>Brain, Behavior, and Immunity</i> , 2017 , 62, 124-136	16.6	22
30	Retinol activates tyrosine hydroxylase acutely by increasing the phosphorylation of serine40 and then serine31 in bovine adrenal chromaffin cells. <i>Journal of Neurochemistry</i> , 2007 , 103, 2369-79	6	21

29	Simultaneous measurement of tyrosine hydroxylase activity and phosphorylation in bovine adrenal chromaffin cells. <i>Journal of Neuroscience Methods</i> , 1999 , 87, 167-74	3	21
28	Depolarisation-dependent protein phosphorylation in rat cortical synaptosomes is inhibited by fluphenazine at a step after calcium entry. <i>Journal of Neurochemistry</i> , 1984 , 43, 659-67	6	21
27	Changes in Cell Cycle and Up-Regulation of Neuronal Markers During SH-SY5Y Neurodifferentiation by Retinoic Acid are Mediated by Reactive Species Production and Oxidative Stress. <i>Molecular Neurobiology</i> , 2017 , 54, 6903-6916	6.2	20
26	Angiotensin II regulates tyrosine hydroxylase activity and mRNA expression in rat mediobasal hypothalamic cultures: the role of specific protein kinases. <i>Journal of Neurochemistry</i> , 2004 , 90, 431-41	6	20
25	GFAP phosphorylation studied in digitonin-permeabilized astrocytes: standardization of conditions. <i>Brain Research</i> , 2000 , 853, 32-40	3.7	20
24	Signal transduction pathways and tyrosine hydroxylase regulation in the adrenal medulla following glucoprivation: an in vivo analysis. <i>Neurochemistry International</i> , 2010 , 57, 162-7	4.4	19
23	NRF2 Mediates Neuroblastoma Proliferation and Resistance to Retinoic Acid Cytotoxicity in a Model of In Vitro Neuronal Differentiation. <i>Molecular Neurobiology</i> , 2016 , 53, 6124-6135	6.2	16
22	Expression of tyrosine hydroxylase increases the resistance of human neuroblastoma cells to oxidative insults. <i>Toxicological Sciences</i> , 2010 , 113, 150-7	4.4	16
21	The sustained phase of tyrosine hydroxylase activation in vivo. <i>Neurochemical Research</i> , 2012 , 37, 1938-43	4.6	14
20	Tyrosine hydroxylase phosphorylation in digitonin-permeabilized bovine adrenal chromaffin cells: the effect of protein kinase and phosphatase inhibitors on Ser19 and Ser40 phosphorylation. <i>Journal of Neurochemistry</i> , 1997 , 69, 2387-96	6	14
19	Early life stress and post-weaning high fat diet alter tyrosine hydroxylase regulation and AT1 receptor expression in the adrenal gland in a sex dependent manner. <i>Neurochemical Research</i> , 2013 , 38, 826-33	4.6	13
18	The effect of social defeat on tyrosine hydroxylase phosphorylation in the rat brain and adrenal gland. <i>Neurochemical Research</i> , 2011 , 36, 27-33	4.6	13
17	S100B protein stimulates calcineurin activity. <i>NeuroReport</i> , 2004 , 15, 317-20	1.7	13
16	The use of permeabilized cells to assay protein phosphorylation and catecholamine release. <i>Neurochemical Research</i> , 2000 , 25, 885-94	4.6	13
15	Characterization of calcium/calmodulin-stimulated protein kinase II. <i>Methods in Molecular Biology</i> , 1995 , 41, 239-59	1.4	12
14	Expression of tyrosine hydroxylase isoforms and phosphorylation at serine 40 in the human nigrostriatal system in Parkinson's disease. <i>Neurobiology of Disease</i> , 2019 , 130, 104524	7.5	10
13	Histamine-stimulated phospholipase C signalling in the adrenal chromaffin cell: effects on inositol phospholipid metabolism and tyrosine hydroxylase phosphorylation. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1997 , 24, 624-31	3	10
12	Purification and characterization of calmodulin-stimulated protein kinase II from two-day and adult chicken forebrain. <i>Journal of Molecular Neuroscience</i> , 1989 , 1, 93-104	3.3	10

11	Histamine-stimulated inositol phospholipid metabolism in bovine adrenal medullary cells: a kinetic analysis. <i>Journal of Neurochemistry</i> , 1995 , 65, 626-35	6	9
10	Tyrosine hydroxylase regulation in adult rat striatum following short-term neonatal exposure to manganese. <i>Metallomics</i> , 2016 , 8, 597-604	4.5	9
9	Early life peripheral lipopolysaccharide challenge reprograms catecholaminergic neurons. <i>Scientific Reports</i> , 2017 , 7, 40475	4.9	8
8	The low affinity dopamine binding site on tyrosine hydroxylase: the role of the N-terminus and in situ regulation of enzyme activity. <i>Neurochemical Research</i> , 2009 , 34, 1830-7	4.6	8
7	Characterization of the phosphorylation of rat tyrosine hydroxylase using electrospray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1998 , 12, 746-8	2.2	3
6	Synaptosome Preparations: Which Procedure Should I Use?. <i>Neuromethods</i> , 2018 , 27-53	0.4	3
5	Peripheral Lipopolysaccharide Challenge Induces Long-Term Changes in Tyrosine Hydroxylase Regulation in the Adrenal Medulla. <i>Journal of Cellular Biochemistry</i> , 2017 , 118, 2096-2107	4.7	2
4	Subcellular distribution of human tyrosine hydroxylase isoforms 1 and 4 in SH-SY5Y cells. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 19730-19737	4.7	2
3	Richard Burnard Rodnight, 1921-2012. <i>Journal of Neurochemistry</i> , 2012 , 123, 199-201	6	1
2	Peripheral inflammation induces long-term changes in tyrosine hydroxylase activation in the substantia nigra. <i>Neurochemistry International</i> , 2021 , 146, 105022	4.4	1
1	Angiotensin II causes calcium entry into bovine adrenal chromaffin cells via pathway(s) activated by depletion of intracellular calcium stores. <i>Neurochemical Research</i> , 2003 , 28, 1299-306	4.6	