

# Peter R Dunkley

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8394074/peter-r-dunkley-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Peripheral inflammation induces long-term changes in tyrosine hydroxylase activation in the substantia nigra. <i>Neurochemistry International</i> , <b>2021</b> , 146, 105022	4.4	1
63	Tyrosine hydroxylase phosphorylation in vivo. <i>Journal of Neurochemistry</i> , <b>2019</b> , 149, 706-728	6	32
62	Subcellular distribution of human tyrosine hydroxylase isoforms 1 and 4 in SH-SY5Y cells. <i>Journal of Cellular Biochemistry</i> , <b>2019</b> , 120, 19730-19737	4.7	2
61	Expression of tyrosine hydroxylase isoforms and phosphorylation at serine 40 in the human nigrostriatal system in Parkinson's disease. <i>Neurobiology of Disease</i> , <b>2019</b> , 130, 104524	7.5	10
60	Synaptosome Preparations: Which Procedure Should I Use?. <i>NeuroMethods</i> , <b>2018</b> , 27-53	0.4	3
59	Early life peripheral lipopolysaccharide challenge reprograms catecholaminergic neurons. <i>Scientific Reports</i> , <b>2017</b> , 7, 40475	4.9	8
58	Anti-RAGE antibody selectively blocks acute systemic inflammatory responses to LPS in serum, liver, CSF and striatum. <i>Brain, Behavior, and Immunity</i> , <b>2017</b> , 62, 124-136	16.6	22
57	Peripheral Lipopolysaccharide Challenge Induces Long-Term Changes in Tyrosine Hydroxylase Regulation in the Adrenal Medulla. <i>Journal of Cellular Biochemistry</i> , <b>2017</b> , 118, 2096-2107	4.7	2
56	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> , <b>2017</b> , 54, 6903-6916	6.2	20
55	NRF2 Mediates Neuroblastoma Proliferation and Resistance to Retinoic Acid Cytotoxicity in a Model of In Vitro Neuronal Differentiation. <i>Molecular Neurobiology</i> , <b>2016</b> , 53, 6124-6135	6.2	16
54	Tyrosine hydroxylase regulation in adult rat striatum following short-term neonatal exposure to manganese. <i>Metallomics</i> , <b>2016</b> , 8, 597-604	4.5	9
53	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> , <b>2014</b> , 128, 547-60	6	29
52	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> , <b>2013</b> , 38, 826-33	4.6	13
51	Functional programming of the autonomic nervous system by early life immune exposure: implications for anxiety. <i>PLoS ONE</i> , <b>2013</b> , 8, e57700	3.7	49
50	Richard Burnard Rodnight, 1921-2012. <i>Journal of Neurochemistry</i> , <b>2012</b> , 123, 199-201	6	1
49	The sustained phase of tyrosine hydroxylase activation in vivo. <i>Neurochemical Research</i> , <b>2012</b> , 37, 1938-43	4.6	14
48	Tyrosine hydroxylase phosphorylation in catecholaminergic brain regions: a marker of activation following acute hypotension and glucoprivation. <i>PLoS ONE</i> , <b>2012</b> , 7, e50535	3.7	28

47	The effect of social defeat on tyrosine hydroxylase phosphorylation in the rat brain and adrenal gland. <i>Neurochemical Research</i> , <b>2011</b> , 36, 27-33	4.6	13
46	Expression of tyrosine hydroxylase increases the resistance of human neuroblastoma cells to oxidative insults. <i>Toxicological Sciences</i> , <b>2010</b> , 113, 150-7	4.4	16
45	Signal transduction pathways and tyrosine hydroxylase regulation in the adrenal medulla following glucoprivation: an in vivo analysis. <i>Neurochemistry International</i> , <b>2010</b> , 57, 162-7	4.4	19
44	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> , <b>2009</b> , 1793, 1860-7	4.9	37
43	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> , <b>2009</b> , 34, 1830-7	4.6	8
42	Manganese induces sustained Ser40 phosphorylation and activation of tyrosine hydroxylase in PC12 cells. <i>Journal of Neurochemistry</i> , <b>2009</b> , 110, 848-56	6	35
41	A rapid Percoll gradient procedure for preparation of synaptosomes. <i>Nature Protocols</i> , <b>2008</b> , 3, 1718-28	18.8	262
40	Tyrosine hydroxylase activity is regulated by two distinct dopamine-binding sites. <i>Journal of Neurochemistry</i> , <b>2008</b> , 106, 1614-23	6	31
39	Cadmium stimulates MAPKs and Hsp27 phosphorylation in bovine adrenal chromaffin cells. <i>Toxicology</i> , <b>2007</b> , 234, 34-43	4.4	27
38	Sustained phosphorylation of tyrosine hydroxylase at serine 40: a novel mechanism for maintenance of catecholamine synthesis. <i>Journal of Neurochemistry</i> , <b>2007</b> , 100, 479-89	6	61
37	Retinol activates tyrosine hydroxylase acutely by increasing the phosphorylation of serine40 and then serine31 in bovine adrenal chromaffin cells. <i>Journal of Neurochemistry</i> , <b>2007</b> , 103, 2369-79	6	21
36	PACAP stimulates the sustained phosphorylation of tyrosine hydroxylase at serine 40. <i>Cellular Signalling</i> , <b>2007</b> , 19, 1141-9	4.9	40
35	Differential regulation of the human tyrosine hydroxylase isoforms via hierarchical phosphorylation. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 17644-51	5.4	60
34	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> , <b>2004</b> , 90, 431-41	6	20
33	Phosphorylation of Ser19 increases both Ser40 phosphorylation and enzyme activity of tyrosine hydroxylase in intact cells. <i>Journal of Neurochemistry</i> , <b>2004</b> , 90, 857-64	6	63
32	Tyrosine hydroxylase phosphorylation: regulation and consequences. <i>Journal of Neurochemistry</i> , <b>2004</b> , 91, 1025-43	6	363
31	S100B protein stimulates calcineurin activity. <i>NeuroReport</i> , <b>2004</b> , 15, 317-20	1.7	13
30	Angiotensin II causes calcium entry into bovine adrenal chromaffin cells via pathway(s) activated by depletion of intracellular calcium stores. <i>Neurochemical Research</i> , <b>2003</b> , 28, 1299-306	4.6	

29	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> , <b>2003</b> , 84, 453-8	6	24
28	Role of protein phosphatase 2C from bovine adrenal chromaffin cells in the dephosphorylation of phospho-serine 40 tyrosine hydroxylase. <i>Journal of Neurochemistry</i> , <b>2003</b> , 85, 1368-73	6	26
27	Tyrosine hydroxylase dephosphorylation by protein phosphatase 2A in bovine adrenal chromaffin cells. <i>Neurochemical Research</i> , <b>2002</b> , 27, 207-13	4.6	28
26	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> , <b>2001</b> , 79, 1122-8 <sup>6</sup>		30
25	Tyrosine hydroxylase phosphorylation in bovine adrenal chromaffin cells: the role of MAPKs after angiotensin II stimulation. <i>Journal of Neurochemistry</i> , <b>2001</b> , 78, 490-8	6	30
24	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> , <b>2001</b> , 276, 40411-6	5.4	68
23	Modulation of the phosphorylation and activity of calcium/calmodulin-dependent protein kinase II by zinc. <i>Journal of Neurochemistry</i> , <b>2000</b> , 75, 594-605	6	68
22	GFAP phosphorylation studied in digitonin-permeabilized astrocytes: standardization of conditions. <i>Brain Research</i> , <b>2000</b> , 853, 32-40	3.7	20
21	The use of permeabilized cells to assay protein phosphorylation and catecholamine release. <i>Neurochemical Research</i> , <b>2000</b> , 25, 885-94	4.6	13
20	Simultaneous measurement of tyrosine hydroxylase activity and phosphorylation in bovine adrenal chromaffin cells. <i>Journal of Neuroscience Methods</i> , <b>1999</b> , 87, 167-74	3	21
19	Characterization of the phosphorylation of rat tyrosine hydroxylase using electrospray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>1998</b> , 12, 746-8	2.2	3
18	Tyrosine hydroxylase in bovine adrenal chromaffin cells: angiotensin II-stimulated activity and phosphorylation of Ser19, Ser31, and Ser40. <i>Journal of Neurochemistry</i> , <b>1998</b> , 70, 2565-73	6	28
17	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> , <b>1997</b> , 24, 624-31	3	10
16	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> , <b>1997</b> , 69, 2387-96	6	14
15	Tyrosine hydroxylase phosphorylation in bovine adrenal chromaffin cells: the role of intracellular Ca <sup>2+</sup> in the histamine H1 receptor-stimulated phosphorylation of Ser8, Ser19, Ser31, and Ser40. <i>Journal of Neurochemistry</i> , <b>1995</b> , 64, 1370-8	6	29
14	Histamine-stimulated inositol phospholipid metabolism in bovine adrenal medullary cells: a kinetic analysis. <i>Journal of Neurochemistry</i> , <b>1995</b> , 65, 626-35	6	9
13	Characterization of calcium/calmodulin-stimulated protein kinase II. <i>Methods in Molecular Biology</i> , <b>1995</b> , 41, 239-59	1.4	12
12	Multiple forms and distribution of calcium/calmodulin-stimulated protein kinase II in brain. <i>Journal of Neurochemistry</i> , <b>1992</b> , 59, 1191-202	6	56

11	Tetanus toxin inhibits depolarization-stimulated protein phosphorylation in rat cortical synaptosomes: effect on synapsin I phosphorylation and translocation. <i>Journal of Neurochemistry</i> , <b>1992</b> , 59, 1336-43	6	27
10	Purification and characterization of calmodulin-stimulated protein kinase II from two-day and adult chicken forebrain. <i>Journal of Molecular Neuroscience</i> , <b>1989</b> , 1, 93-104	3.3	10
9	A rapid Percoll gradient procedure for isolation of synaptosomes directly from an S1 fraction: homogeneity and morphology of subcellular fractions. <i>Brain Research</i> , <b>1988</b> , 441, 59-71	3.7	349
8	A rapid Percoll gradient procedure for isolation of synaptosomes directly from an S1 fraction: viability of subcellular fractions. <i>Brain Research</i> , <b>1988</b> , 441, 72-80	3.7	40
7	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> , <b>1987</b> , 48, 187-95	6	49
6	Depolarization-dependent protein phosphorylation in rat cortical synaptosomes: characterization of active protein kinases by phosphopeptide analysis of substrates. <i>Journal of Neurochemistry</i> , <b>1986</b> , 46, 1692-703	6	51
5	A rapid method for isolation of synaptosomes on Percoll gradients. <i>Brain Research</i> , <b>1986</b> , 372, 115-29	3.7	389
4	Depolarization-dependent protein phosphorylation in synaptosomes: mechanisms and significance. <i>Progress in Brain Research</i> , <b>1986</b> , 69, 273-93	2.9	55
3	Depolarisation-dependent protein phosphorylation and dephosphorylation in rat cortical synaptosomes is modulated by calcium. <i>Journal of Neurochemistry</i> , <b>1985</b> , 44, 338-48	6	61
2	Depolarisation-dependent protein phosphorylation in rat cortical synaptosomes is inhibited by fluphenazine at a step after calcium entry. <i>Journal of Neurochemistry</i> , <b>1984</b> , 43, 659-67	6	21
1	Depolarisation-dependent protein phosphorylation in rat cortical synaptosomes: factors determining the magnitude of the response. <i>Journal of Neurochemistry</i> , <b>1983</b> , 41, 909-18	6	82