Phillip W Dickson

List of Publications by Year
in descending order

42	1,519	331538	302012
papers	citations	21 h-index	39 g-index

42	42	42	1881
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tyrosine hydroxylase phosphorylation: regulation and consequences. Journal of Neurochemistry, 2004, 91, 1025-1043.	2.1	397
2	Phosphorylation of Ser19 Alters the Conformation of Tyrosine Hydroxylase to Increase the Rate of Phosphorylation of Ser40. Journal of Biological Chemistry, 2001, 276, 40411-40416.	1.6	77
3	Differential Regulation of the Human Tyrosine Hydroxylase Isoforms via Hierarchical Phosphorylation. Journal of Biological Chemistry, 2006, 281, 17644-17651.	1.6	72
4	Phosphorylation of Ser19 increases both Ser40 phosphorylation and enzyme activity of tyrosine hydroxylase in intact cells. Journal of Neurochemistry, 2004, 90, 857-864.	2.1	71
5	Sustained phosphorylation of tyrosine hydroxylase at serine 40: a novel mechanism for maintenance of catecholamine synthesis. Journal of Neurochemistry, 2007, 100, 479-489.	2.1	65
6	Tyrosine hydroxylase phosphorylation inÂvivo. Journal of Neurochemistry, 2019, 149, 706-728.	2.1	56
7	Functional Programming of the Autonomic Nervous System by Early Life Immune Exposure: Implications for Anxiety. PLoS ONE, 2013, 8, e57700.	1.1	54
8	Neuronal activity regulates expression of tyrosine hydroxylase in adult mouse substantia nigra pars compacta neurons. Journal of Neurochemistry, 2011, 116, 646-658.	2.1	47
9	PACAP stimulates the sustained phosphorylation of tyrosine hydroxylase at serine 40. Cellular Signalling, 2007, 19, 1141-1149.	1.7	44
10	Differential regulation of human tyrosine hydroxylase isoforms 1 and 2 in situ: Isoform 2 is not phosphorylated at Ser35. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1860-1867.	1.9	43
11	Tyrosine Hydroxylase. Advances in Pharmacology, 2013, 68, 13-21.	1.2	40
12	Tyrosine hydroxylase activity is regulated by two distinct dopamineâ€binding sites. Journal of Neurochemistry, 2008, 106, 1614-1623.	2.1	39
13	Manganese induces sustained Ser40 phosphorylation and activation of tyrosine hydroxylase in PC12 cells. Journal of Neurochemistry, 2009, 110, 848-856.	2.1	36
14	Anti-RAGE antibody selectively blocks acute systemic inflammatory responses to LPS in serum, liver, CSF and striatum. Brain, Behavior, and Immunity, 2017, 62, 124-136.	2.0	34
15	Neurobiological consequences of acute footshock stress: effects on tyrosine hydroxylase phosphorylation and activation in the rat brain and adrenal medulla. Journal of Neurochemistry, 2014, 128, 547-560.	2.1	33
16	Tyrosine Hydroxylase Phosphorylation in Catecholaminergic Brain Regions: A Marker of Activation following Acute Hypotension and Glucoprivation. PLoS ONE, 2012, 7, e50535.	1.1	32
17	Mechanism of action of salsolinol on tyrosine hydroxylase. Neurochemistry International, 2013, 63, 726-731.	1.9	27
18	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. Molecular Neurobiology, 2017, 54, 6903-6916.	1.9	26

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19	Mutational Analysis of Substrate Inhibition in Tyrosine Hydroxylase. Journal of Neurochemistry, 2002, 71, 2132-2138.	2.1	24
20	Reconsidering the role of glial cells in chronic stress-induced dopaminergic neurons loss within the substantia nigra? Friend or foe?. Brain, Behavior, and Immunity, 2017, 60, 117-125.	2.0	23
21	Retinol activates tyrosine hydroxylase acutely by increasing the phosphorylation of serine40 and then serine31 in bovine adrenal chromaffin cells. Journal of Neurochemistry, 2007, 103, 2369-2379.	2.1	22
22	Regulation of CaMKII by phospho-Thr253 or phospho-Thr286 sensitive targeting alters cellular function. Cellular Signalling, 2010, 22, 759-769.	1.7	22
23	Expression of Tyrosine Hydroxylase Increases the Resistance of Human Neuroblastoma Cells to Oxidative Insults. Toxicological Sciences, 2010, 113, 150-157.	1.4	21
24	Signal transduction pathways and tyrosine hydroxylase regulation in the adrenal medulla following glucoprivation: An in vivo analysis. Neurochemistry International, 2010, 57, 162-167.	1.9	21
25	Ischaemia- and excitotoxicity-induced CaMKII-Mediated neuronal cell death: The relative roles of CaMKII autophosphorylation at T286 and T253. Neurochemistry International, 2017, 104, 6-10.	1.9	21
26	Expression of tyrosine hydroxylase isoforms and phosphorylation at serine 40 in the human nigrostriatal system in Parkinson's disease. Neurobiology of Disease, 2019, 130, 104524.	2.1	20
27	The Sustained Phase of Tyrosine Hydroxylase Activation In vivo. Neurochemical Research, 2012, 37, 1938-1943.	1.6	17
28	The role of Ca 2+ -calmodulin stimulated protein kinase II in ischaemic stroke â€“ A potential target for neuroprotective therapies. Neurochemistry International, 2017, 107, 33-42.	1.9	17
29	Human neuroblastoma cells transfected with tyrosine hydroxylase gain increased resistance to methylmercury-induced cell death. Toxicology in Vitro, 2010, 24, 1498-1503.	1.1	15
30	Mutational Analysis of Catecholamine Binding in Tyrosine Hydroxylase. Biochemistry, 2011, 50, 1545-1555.	1.2	15
31	Dephosphorylation of CaMKII at T253 controls the metaphaseâ€“anaphase transition. Cellular Signalling, 2014, 26, 748-756.	1.7	15
32	The Effect of Social Defeat on Tyrosine Hydroxylase Phosphorylation in the Rat Brain and Adrenal Gland. Neurochemical Research, 2011, 36, 27-33.	1.6	13
33	Tyrosine hydroxylase regulation in adult rat striatum following short-term neonatal exposure to manganese. Metallomics, 2016, 8, 597-604.	1.0	11
34	Catalytic domain surface residues mediating catecholamine inhibition in tyrosine hydroxylase. Journal of Biochemistry, 2014, 155, 183-193.	0.9	10
35	The Low Affinity Dopamine Binding Site on Tyrosine Hydroxylase: The Role of the N-Terminus and In Situ Regulation of Enzyme Activity. Neurochemical Research, 2009, 34, 1830-1837.	1.6	8
36	Early life peripheral lipopolysaccharide challenge reprograms catecholaminergic neurons. Scientific Reports, 2017, 7, 40475.	1.6	8

#	Article	IF	Citations
37	Neonatal overfeeding increases capacity for catecholamine biosynthesis from the adrenal gland acutely and long-term in the male rat. Molecular and Cellular Endocrinology, 2018, 470, 295-303.	1.6	7
38	Characterization of the phosphorylation of rat tyrosine hydroxylase using electrospray mass spectrometry. , 1998, 12, 746-748.		4
39	Subcellular distribution of human tyrosine hydroxylase isoforms 1 and 4 in SHâ€Y5Y cells. Journal of Cellular Biochemistry, 2019, 120, 19730-19737.	1.2	4
40	A Rodent Model of Anxiety: The Effect of Perinatal Immune Challenges on Gastrointestinal Inflammation and Integrity. NeuroImmunoModulation, 2018, 25, 163-175.	0.9	3
41	Peripheral inflammation induces long-term changes in tyrosine hydroxylase activation in the substantia nigra. Neurochemistry International, 2021, 146, 105022.	1.9	3
42	Peripheral Lipopolysaccharide Challenge Induces Long-Term Changes in Tyrosine Hydroxylase Regulation in the Adrenal Medulla. Journal of Cellular Biochemistry, 2017, 118, 2096-2107.	1.2	2