

Phillip W Dickson

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,519
citations

331538

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42
all docs

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docs citations

42
times ranked

1881
citing authors

#	ARTICLE	IF	CITATIONS
1	Peripheral inflammation induces long-term changes in tyrosine hydroxylase activation in the substantia nigra. <i>Neurochemistry International</i> , 2021, 146, 105022.	1.9	3
2	Subcellular distribution of human tyrosine hydroxylase isoforms 1 and 4 in SH-SY5Y cells. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 19730-19737.	1.2	4
3	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.	2.1	20
4	Tyrosine hydroxylase phosphorylation <i>in vivo</i> . <i>Journal of Neurochemistry</i> , 2019, 149, 706-728.	2.1	56
5	Neonatal overfeeding increases capacity for catecholamine biosynthesis from the adrenal gland acutely and long-term in the male rat. <i>Molecular and Cellular Endocrinology</i> , 2018, 470, 295-303.	1.6	7
6	A Rodent Model of Anxiety: The Effect of Perinatal Immune Challenges on Gastrointestinal Inflammation and Integrity. <i>NeuroImmunoModulation</i> , 2018, 25, 163-175.	0.9	3
7	Ischaemia- and excitotoxicity-induced CaMKII-Mediated neuronal cell death: The relative roles of CaMKII autophosphorylation at T286 and T253. <i>Neurochemistry International</i> , 2017, 104, 6-10.	1.9	21
8	Early life peripheral lipopolysaccharide challenge reprograms catecholaminergic neurons. <i>Scientific Reports</i> , 2017, 7, 40475.	1.6	8
9	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.	2.0	34
10	The role of Ca ²⁺ -calmodulin stimulated protein kinase II in ischaemic stroke – A potential target for neuroprotective therapies. <i>Neurochemistry International</i> , 2017, 107, 33-42.	1.9	17
11	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.	1.2	2
12	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.	1.9	26
13	Reconsidering the role of glial cells in chronic stress-induced dopaminergic neurons loss within the substantia nigra? Friend or foe?. <i>Brain, Behavior, and Immunity</i> , 2017, 60, 117-125.	2.0	23
14	Tyrosine hydroxylase regulation in adult rat striatum following short-term neonatal exposure to manganese. <i>Metallomics</i> , 2016, 8, 597-604.	1.0	11
15	Catalytic domain surface residues mediating catecholamine inhibition in tyrosine hydroxylase. <i>Journal of Biochemistry</i> , 2014, 155, 183-193.	0.9	10
16	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, 547-560.	2.1	33
17	Dephosphorylation of CaMKII at T253 controls the metaphase–anaphase transition. <i>Cellular Signalling</i> , 2014, 26, 748-756.	1.7	15
18	Mechanism of action of salsolinol on tyrosine hydroxylase. <i>Neurochemistry International</i> , 2013, 63, 726-731.	1.9	27

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19	Tyrosine Hydroxylase. <i>Advances in Pharmacology</i> , 2013, 68, 13-21.	1.2	40
20	Functional Programming of the Autonomic Nervous System by Early Life Immune Exposure: Implications for Anxiety. <i>PLoS ONE</i> , 2013, 8, e57700.	1.1	54
21	The Sustained Phase of Tyrosine Hydroxylase Activation In vivo. <i>Neurochemical Research</i> , 2012, 37, 1938-1943.	1.6	17
22	Tyrosine Hydroxylase Phosphorylation in Catecholaminergic Brain Regions: A Marker of Activation following Acute Hypotension and Glucoprivation. <i>PLoS ONE</i> , 2012, 7, e50535.	1.1	32
23	Mutational Analysis of Catecholamine Binding in Tyrosine Hydroxylase. <i>Biochemistry</i> , 2011, 50, 1545-1555.	1.2	15
24	Neuronal activity regulates expression of tyrosine hydroxylase in adult mouse substantia nigra pars compacta neurons. <i>Journal of Neurochemistry</i> , 2011, 116, 646-658.	2.1	47
25	The Effect of Social Defeat on Tyrosine Hydroxylase Phosphorylation in the Rat Brain and Adrenal Gland. <i>Neurochemical Research</i> , 2011, 36, 27-33.	1.6	13
26	Regulation of CaMKII by phospho-Thr253 or phospho-Thr286 sensitive targeting alters cellular function. <i>Cellular Signalling</i> , 2010, 22, 759-769.	1.7	22
27	Expression of Tyrosine Hydroxylase Increases the Resistance of Human Neuroblastoma Cells to Oxidative Insults. <i>Toxicological Sciences</i> , 2010, 113, 150-157.	1.4	21
28	Signal transduction pathways and tyrosine hydroxylase regulation in the adrenal medulla following glucoprivation: An in vivo analysis. <i>Neurochemistry International</i> , 2010, 57, 162-167.	1.9	21
29	Human neuroblastoma cells transfected with tyrosine hydroxylase gain increased resistance to methylmercury-induced cell death. <i>Toxicology in Vitro</i> , 2010, 24, 1498-1503.	1.1	15
30	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, 1860-1867.	1.9	43
31	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, 1830-1837.	1.6	8
32	Manganese induces sustained Ser40 phosphorylation and activation of tyrosine hydroxylase in PC12 cells. <i>Journal of Neurochemistry</i> , 2009, 110, 848-856.	2.1	36
33	Tyrosine hydroxylase activity is regulated by two distinct dopamine-binding sites. <i>Journal of Neurochemistry</i> , 2008, 106, 1614-1623.	2.1	39
34	Sustained phosphorylation of tyrosine hydroxylase at serine 40: a novel mechanism for maintenance of catecholamine synthesis. <i>Journal of Neurochemistry</i> , 2007, 100, 479-489.	2.1	65
35	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, 2369-2379.	2.1	22
36	PACAP stimulates the sustained phosphorylation of tyrosine hydroxylase at serine 40. <i>Cellular Signalling</i> , 2007, 19, 1141-1149.	1.7	44

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37	Differential Regulation of the Human Tyrosine Hydroxylase Isoforms via Hierarchical Phosphorylation. <i>Journal of Biological Chemistry</i> , 2006, 281, 17644-17651.	1.6	72
38	Phosphorylation of Ser19 increases both Ser40 phosphorylation and enzyme activity of tyrosine hydroxylase in intact cells. <i>Journal of Neurochemistry</i> , 2004, 90, 857-864.	2.1	71
39	Tyrosine hydroxylase phosphorylation: regulation and consequences. <i>Journal of Neurochemistry</i> , 2004, 91, 1025-1043.	2.1	397
40	Mutational Analysis of Substrate Inhibition in Tyrosine Hydroxylase. <i>Journal of Neurochemistry</i> , 2002, 71, 2132-2138.	2.1	24
41	Phosphorylation of Ser19 Alters the Conformation of Tyrosine Hydroxylase to Increase the Rate of Phosphorylation of Ser40. <i>Journal of Biological Chemistry</i> , 2001, 276, 40411-40416.	1.6	77
42	Characterization of the phosphorylation of rat tyrosine hydroxylase using electrospray mass spectrometry. , 1998, 12, 746-748.		4