Larisa Bobrovskaya

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5168967/publications.pdf

Version: 2024-02-01

92 papers	2,540 citations	218677 26 h-index	214800 47 g-index
97 all docs	97 docs citations	97 times ranked	5474 citing authors

#	Article	IF	Citations
1	Tyrosine hydroxylase phosphorylation: regulation and consequences. Journal of Neurochemistry, 2004, 91, 1025-1043.	3.9	397
2	An update on the rotenone models of Parkinson's disease: Their ability to reproduce the features of clinical disease and model geneâ€“environment interactions. NeuroToxicology, 2015, 46, 101-116.	3.0	251
3	ProBDNF Signaling Regulates Depression-Like Behaviors in Rodents under Chronic Stress. Neuropsychopharmacology, 2016, 41, 2882-2892.	5.4	97
4	Rotenone induces gastrointestinal pathology and microbiota alterations in a rat model of Parkinsonâ€™s disease. NeuroToxicology, 2018, 65, 174-185.	3.0	79
5	Differential Regulation of the Human Tyrosine Hydroxylase Isoforms via Hierarchical Phosphorylation. Journal of Biological Chemistry, 2006, 281, 17644-17651.	3.4	72
6	Phosphorylation of Ser19 increases both Ser40 phosphorylation and enzyme activity of tyrosine hydroxylase in intact cells. Journal of Neurochemistry, 2004, 90, 857-864.	3.9	71
7	Sustained phosphorylation of tyrosine hydroxylase at serine 40: a novel mechanism for maintenance of catecholamine synthesis. Journal of Neurochemistry, 2007, 100, 479-489.	3.9	65
8	Lead-Stimulated p38MAPK-Dependent Hsp27 Phosphorylation. Toxicology and Applied Pharmacology, 2002, 178, 44-51.	2.8	63
9	Anti-neuroinflammatory effects of grossamide from hemp seed via suppression of TLR-4-mediated NF-Î¹B signaling pathways in lipopolysaccharide-stimulated BV2 microglia cells. Molecular and Cellular Biochemistry, 2017, 428, 129-137.	3.1	63
10	Urine-derived cells for human cell therapy. Stem Cell Research and Therapy, 2018, 9, 189.	5.5	58
11	Neonatal immune challenge alters reproductive development in the female rat. Hormones and Behavior, 2012, 62, 345-355.	2.1	50
12	Lipopolysaccharide animal models of Parkinsonâ€™s disease: Recent progress and relevance to clinical disease. Brain, Behavior, & Immunity - Health, 2020, 4, 100060.	2.5	48
13	Neuronal activity regulates expression of tyrosine hydroxylase in adult mouse substantia nigra pars compacta neurons. Journal of Neurochemistry, 2011, 116, 646-658.	3.9	47
14	PACAP stimulates the sustained phosphorylation of tyrosine hydroxylase at serine 40. Cellular Signalling, 2007, 19, 1141-1149.	3.6	44
15	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.	4.1	43
16	ProBDNF inhibits proliferation, migration and differentiation of mouse neural stem cells. Brain Research, 2017, 1668, 46-55.	2.2	40
17	The ProNGF/p75NTR pathway induces tau pathology and is a therapeutic target for FTLD-tau. Molecular Psychiatry, 2018, 23, 1813-1824.	7.9	37
18	Manganese induces sustained Ser40 phosphorylation and activation of tyrosine hydroxylase in PC12 cells. Journal of Neurochemistry, 2009, 110, 848-856.	3.9	36

#	Article	IF	Citations
19	Tyrosine hydroxylase phosphorylation in bovine adrenal chromaffin cells: the role of MAPKs after angiotensin II stimulation. Journal of Neurochemistry, 2001, 78, 490-498.	3.9	35
20	Tyrosine hydroxylase as a sentinel for central and peripheral tissue responses in Parkinsonâ€™s progression: Evidence from clinical studies and neurotoxin models. Progress in Neurobiology, 2018, 165-167, 1-25.	5.7	35
21	Codeine-induced hyperalgesia and allodynia: investigating the role of glial activation. Translational Psychiatry, 2014, 4, e482-e482.	4.8	34
22	Advances in curcumin-loaded nanopreparations: improving bioavailability and overcoming inherent drawbacks. Journal of Drug Targeting, 2019, 27, 917-931.	4.4	34
23	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.	3.9	33
24	Tyrosine Hydroxylase in Bovine Adrenal Chromaffin Cells: Angiotensin II-Stimulated Activity and Phosphorylation of Ser19, Ser31, and Ser40. Journal of Neurochemistry, 2002, 70, 2565-2573.	3.9	32
25	Tyrosine Hydroxylase Phosphorylation in Catecholaminergic Brain Regions: A Marker of Activation following Acute Hypotension and Glucoprivation. PLoS ONE, 2012, 7, e50535.	2.5	32
26	Investigation of Mature BDNF and proBDNF Signaling in a Rat Photothrombotic Ischemic Model. Neurochemical Research, 2018, 43, 637-649.	3.3	27
27	p75 neurotrophin receptor interacts with and promotes BACE1 localization in endosomes aggravating amyloidogenesis. Journal of Neurochemistry, 2018, 144, 302-317.	3.9	27
28	Investigation of tyrosine hydroxylase and BDNF in a low-dose rotenone model of Parkinson's disease. Journal of Chemical Neuroanatomy, 2015, 70, 33-41.	2.1	26
29	miRNA-7a-2-3p Inhibits Neuronal Apoptosis in Oxygen-Glucose Deprivation (OGD) Model. Frontiers in Neuroscience, 2019, 13, 16.	2.8	26
30	Mice with Sort1 deficiency display normal cognition but elevated anxiety-like behavior. Experimental Neurology, 2016, 281, 99-108.	4.1	23
31	Vi4-miR-185-5p-Igfbp3 Network Protects the Brain From Neonatal Hypoxic Ischemic Injury via Promoting Neuron Survival and Suppressing the Cell Apoptosis. Frontiers in Cell and Developmental Biology, 2020, 8, 529544.	3.7	23
32	Simultaneous measurement of tyrosine hydroxylase activity and phosphorylation in bovine adrenal chromaffin cells. Journal of Neuroscience Methods, 1999, 87, 167-174.	2.5	22
33	The effects of footshock and immobilization stress on tyrosine hydroxylase phosphorylation in the rat locus coeruleus and adrenal gland. Neuroscience, 2011, 192, 20-27.	2.3	22
34	Expression of Tyrosine Hydroxylase Increases the Resistance of Human Neuroblastoma Cells to Oxidative Insults. Toxicological Sciences, 2010, 113, 150-157.	3.1	21
35	Signal transduction pathways and tyrosine hydroxylase regulation in the adrenal medulla following glucoprivation: An in vivo analysis. Neurochemistry International, 2010, 57, 162-167.	3.8	21
36	Bioactive constituents from cinnamon, hemp seed and polygonum cuspidatum protect against H 2 O 2 but not rotenone toxicity in a cellular model of Parkinson's disease. Journal of Traditional and Complementary Medicine, 2018, 8, 420-427.	2.7	21

#	Article	IF	Citations
37	Angiotensin II regulates tyrosine hydroxylase activity and mRNA expression in rat mediobasal hypothalamic cultures: the role of specific protein kinases. Journal of Neurochemistry, 2004, 90, 431-441.	3.9	20
38	Low birth weight activates the renin-angiotensin system, but limits cardiac angiogenesis in early postnatal life. Physiological Reports, 2015, 3, e12270.	1.7	20
39	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.	4.4	20
40	Coating Materials for Neural Stem/Progenitor Cell Culture and Differentiation. Stem Cells and Development, 2020, 29, 463-474.	2.1	20
41	Cellular Trafficking of Amyloid Precursor Protein in Amyloidogenesis Physiological and Pathological Significance. Molecular Neurobiology, 2019, 56, 812-830.	4.0	19
42	Does exposure to chronic stress influence blood pressure in rats?. Autonomic Neuroscience: Basic and Clinical, 2013, 177, 217-223.	2.8	18
43	HAP1 Is Required for Endocytosis and Signalling of BDNF and Its Receptors in Neurons. Molecular Neurobiology, 2018, 55, 1815-1830.	4.0	18
44	Analysis of blood mature BDNF and proBDNF in mood disorders with specific ELISA assays. Journal of Psychiatric Research, 2021, 133, 166-173.	3.1	18
45	The Effects of Stress and Diet on the â€œBrainâ€“Gutâ€•and â€œGutâ€“Brainâ€•Pathways in Animal Models of Stress and Depression. International Journal of Molecular Sciences, 2022, 23, 2013.	4.1	18
46	The Effects of Insulin-Induced Hypoglycaemia on Tyrosine Hydroxylase Phosphorylation in Rat Brain and Adrenal Gland. Neurochemical Research, 2016, 41, 1612-1624.	3.3	17
47	Knockout of p75 neurotrophin receptor attenuates the hyperphosphorylation of Tau in pR5 mouse model. Aging, 2019, 11, 6762-6791.	3.1	17
48	S100B protein stimulates calcineurin activity. NeuroReport, 2004, 15, 317-320.	1.2	15
49	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. Neurochemical Research, 2013, 38, 826-833.	3.3	15
50	Female rats display fewer optimistic responses in a judgment bias test in the absence of a physiological stress response. Physiology and Behavior, 2017, 173, 124-131.	2.1	15
51	Effects of corticosterone on BDNF expression and mood behaviours in mice. Physiology and Behavior, 2022, 247, 113721.	2.1	15
52	Challenges in Modelling Hypoglycaemia-Associated Autonomic Failure: A Review of Human and Animal Studies. International Journal of Endocrinology, 2016, 2016, 1-13.	1.5	14
53	Characterization of Urine Stem Cell-Derived Extracellular Vesicles Reveals B Cell Stimulating Cargo. International Journal of Molecular Sciences, 2021, 22, 459.	4.1	14
54	The Effect of Social Defeat on Tyrosine Hydroxylase Phosphorylation in the Rat Brain and Adrenal Gland. Neurochemical Research, 2011, 36, 27-33.	3.3	13

#	Article	IF	Citations
55	Sortilin inhibits amyloid pathology by regulating non-specific degradation of APP. Experimental Neurology, 2018, 299, 75-85.	4.1	13
56	The Long-Term Effects of Ethanol and Corticosterone on the Mood-Related Behaviours and the Balance Between Mature BDNF and proBDNF in Mice. Journal of Molecular Neuroscience, 2019, 69, 60-68.	2.3	13
57	Conversion of human urine-derived cells into neuron-like cells by small molecules. Molecular Biology Reports, 2020, 47, 2713-2722.	2.3	11
58	A New Approach to Model Sporadic Alzheimerâ€™s Disease by Intracerebroventricular Streptozotocin Injection in APP/PS1 Mice. Molecular Neurobiology, 2021, 58, 3692-3711.	4.0	10
59	The effects of recurrent hypoglycaemia and opioid antagonists on the adrenal catecholamine synthetic capacity in a rat model of HAAF. Autonomic Neuroscience: Basic and Clinical, 2018, 210, 76-80.	2.8	9
60	Effect of Sutellarin on Neurogenesis in Neonatal Hypoxiaâ€“Ischemia Rat Model: Potential Mechanisms of Action. The American Journal of Chinese Medicine, 2021, 49, 677-703.	3.8	9
61	The effects of rotenone on TH, BDNF and BDNF-related proteins in the brain and periphery: Relevance to early Parkinsonâ€™s disease. Journal of Chemical Neuroanatomy, 2019, 97, 23-32.	2.1	8
62	The Level of proBDNF in Blood Lymphocytes Is Correlated with that in the Brain of Rats with Photothrombotic Ischemic Stroke. Neurotoxicity Research, 2019, 36, 49-57.	2.7	8
63	The efficacy of systemic administration of lipopolysaccharide in modelling pre-motor Parkinsonâ€™s disease in C57BL/6 mice. NeuroToxicology, 2021, 85, 254-264.	3.0	8
64	Long term high fat diet induces metabolic disorders and aggravates behavioral disorders and cognitive deficits in MAPT P301L transgenic mice. Metabolic Brain Disease, 2022, 37, 1941-1957.	2.9	8
65	Pro-BDNF Knockout Causes Abnormal Motor Behaviours and Early Death in Mice. Neuroscience, 2020, 438, 145-157.	2.3	7
66	Blockage of p75NTR ameliorates depressive-like behaviours of mice under chronic unpredictable mild stress. Behavioural Brain Research, 2021, 396, 112905.	2.2	7
67	Further Characterization of Intrastriatal Lipopolysaccharide Model of Parkinsonâ€™s Disease in C57BL/6 Mice. International Journal of Molecular Sciences, 2021, 22, 7380.	4.1	7
68	Urine stem cells are equipped to provide B cell survival signals. Stem Cells, 2021, 39, 803-818.	3.2	7
69	Preclinical Study of the Pharmacokinetics of p75ECD-Fc, a Novel Human Recombinant Protein for Treatment of Alzheimerâ€™s Disease, in Sprague Dawley Rats. Current Drug Metabolism, 2020, 21, 235-244.	1.2	7
70	Cell Therapy for Neurological Disorders: The Perspective of Promising Cells. Biology, 2021, 10, 1142.	2.8	7
71	The role of brain-derived neurotrophic factor and the neurotrophin receptor p75NTR in age-related brain atrophy and the transition to Alzheimerâ€™s disease. Reviews in the Neurosciences, 2022, 33, 515-529.	2.9	7
72	Insulinâ€responsive autonomic neurons in rat medulla oblongata. Journal of Comparative Neurology, 2018, 526, 2665-2682.	1.6	6

#	Article	IF	Citations
73	Peripheral ProBDNF Delivered by an AAV Vector to the Muscle Triggers Depression-Like Behaviours in Mice. Neurotoxicity Research, 2020, 38, 626-639.	2.7	6
74	Lipopolysaccharide mouse models for Parkinsonâ€™s disease research: a critical appraisal. Neural Regeneration Research, 2022, 17, 2413.	3.0	5
75	Neuroimmunological complications arising from chemotherapyâ€induced gut toxicity and opioid exposure in female dark agouti rats. Journal of Neuroscience Research, 2022, 100, 237-250.	2.9	3
76	Preclinical validation of a novel oral Edaravone formulation for treatment of frontotemporal dementia. Neurotoxicity Research, 2021, 39, 1689-1707.	2.7	2
77	Conversion of Human Fibroblasts into Induced Neural Stem Cells by Small Molecules. International Journal of Molecular Sciences, 2022, 23, 1740.	4.1	2
78	Pharmacokinetic Modelling of Human Recombinant Protein, p75ECD-Fc: A Novel Therapeutic Approach for Treatment of Alzheimerâ€™s Disease, in Serum and Tissue of Sprague Dawley Rats. European Journal of Drug Metabolism and Pharmacokinetics, 2021, 46, 235-248.	1.6	1
79	Treatment of hypoxicâ€ischemic encephalopathy in neonates: a systematic review and metaâ€analysis. , 2018, 4, 52-61.		1
80	P5 Dietary influences and diabetes. Autonomic Neuroscience: Basic and Clinical, 2009, 149, 102-103.	2.8	0
81	253 IMPACT OF LOW BIRTH WEIGHT ON THE EXPRESSION OF THE RENIN-ANGIOTENSIN SYSTEM, FACTORS WHICH REGULATE AUTOPHAGY, FIBROSIS AND CAPILLARY DENSITY IN THE HEART DURING EARLY POSTNATAL LIFE. Journal of Hypertension, 2012, 30, e76-e77.	0.5	0
82	33. Programming of reproductive development by neonatal immunological challenge: Evidence for transgenerational inheritance. Brain, Behavior, and Immunity, 2012, 26, S9-S10.	4.1	0
83	Analysis of Tyrosine Hydroxylase Isoforms and Phosphorylation in Parkinsonâ€™s Disease. , 2014, , 15.		0
84	P1â€134: Absence of Sortilin Increases the Convergence of App and Bace1 in Soma. Alzheimer's and Dementia, 2016, 12, P455.	0.8	0
85	P2â€331: Knockout of P75NTR LigandâBinding Domain Decreases the Hyperphosphorylation of TAU in P301L Mice Model. Alzheimer's and Dementia, 2016, 12, P769.	0.8	0
86	200 Chemotherapy Induces Intestinal Inflammation and Central Changes Which Are Modified by Analgesics via Neuro-Immune Mechanisms. Gastroenterology, 2016, 150, S52.	1.3	0
87	Neuroprotective Effects of Anti-proBDNF in a Rat Photothrombotic Ischemic Model. Neuroscience, 2020, 446, 261-270.	2.3	0
88	Female Wild-Type and APP/PS1 Transgenic Mice Deficient in Sort1 Are Prone to Anxiety-Like Behavior at Older Ages. Neuropsychiatry, 2017, 07, .	0.4	0
89	A Pilot Study in Modeling Mood Disorders in Mice by Chronic Tail-Suspension Stress. Neuropsychiatry, 2018, 08, .	0.4	0
90	Effects of Recurrent Hypoglycaemia on the Activation of Insulinâ€Responsive Medullary and Spinal Neurons Controlling Adrenaline Release. FASEB Journal, 2018, 32, 733.1.	0.5	0

#	Article	IF	Citations
91	Functional Topography in the Rat Rostral Ventrolateral Medulla (RVLM): Distribution of C1 Neurons that Respond to Cardiovascular versus Metabolic Stimuli. FASEB Journal, 2019, 33, 742.8.	0.5	0
92	ProBDNF Acts as an Angiogenesis Inhibitor. Journal of Biosciences and Medicines, 2022, 10, 219-235.	0.2	0