

# Jan Bakos

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,507  
citations

471371

17  
h-index

330025

37  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2340  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gastrointestinal microbiota in children with autism in Slovakia. <i>Physiology and Behavior</i> , 2015, 138, 179-187.	1.0	470
2	Enriched environment influences hormonal status and hippocampal brain derived neurotrophic factor in a sex dependent manner. <i>Neuroscience</i> , 2009, 164, 788-797.	1.1	83
3	Prenatal Immune Challenge Affects Growth, Behavior, and Brain Dopamine in Offspring. <i>Annals of the New York Academy of Sciences</i> , 2004, 1018, 281-287.	1.8	77
4	Oxytocin exerts protective effects on in vitro myocardial injury induced by ischemia and reperfusion. This article is one of a selection of papers from the NATO Advanced Research Workshop on Translational Knowledge for Heart Health (published in part 1 of a 2-part Special Issue). <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 137-142.	0.7	72
5	Molecular Mechanisms of Oxytocin Signaling at the Synaptic Connection. <i>Neural Plasticity</i> , 2018, 2018, 1-9.	1.0	69
6	Eplerenone, a selective mineralocorticoid receptor blocker, exerts anxiolytic effects accompanied by changes in stress hormone release. <i>Journal of Psychopharmacology</i> , 2010, 24, 779-786.	2.0	66
7	Intracerebroventricular oxytocin administration in rats enhances object recognition and increases expression of neurotrophins, microtubule-associated protein 2, and synapsin. <i>Journal of Neuroscience Research</i> , 2015, 93, 893-901.	1.3	62
8	Plasma Oxytocin in Children with Autism and Its Correlations with Behavioral Parameters in Children and Parents. <i>Psychiatry Investigation</i> , 2016, 13, 174.	0.7	58
9	Are Molecules Involved in Neuritogenesis and Axon Guidance Related to Autism Pathogenesis?. <i>NeuroMolecular Medicine</i> , 2015, 17, 297-304.	1.8	50
10	The Role of Hypothalamic Neuropeptides in Neurogenesis and Neuritogenesis. <i>Neural Plasticity</i> , 2016, 2016, 1-10.	1.0	40
11	Leptin modulates noradrenaline release in the paraventricular nucleus and plasma oxytocin levels in female rats: A microdialysis study. <i>Brain Research</i> , 2010, 1317, 87-91.	1.1	35
12	Effect of Oxytocin on Neuroblastoma Cell Viability and Growth. <i>Cellular and Molecular Neurobiology</i> , 2012, 32, 891-896.	1.7	32
13	Oxytocin Increases Neurite Length and Expression of Cytoskeletal Proteins Associated with Neuronal Growth. <i>Journal of Molecular Neuroscience</i> , 2016, 59, 184-192.	1.1	31
14	Oxytocin levels in the posterior pituitary and in the heart are modified by voluntary wheel running. <i>Regulatory Peptides</i> , 2007, 139, 96-101.	1.9	30
15	Abnormal neuronal morphology and altered synaptic proteins are restored by oxytocin in autism-related SHANK3 deficient model. <i>Molecular and Cellular Endocrinology</i> , 2020, 518, 110924.	1.6	25
16	Neurite Outgrowth Stimulated by Oxytocin Is Modulated by Inhibition of the Calcium Voltage-Gated Channels. <i>Cellular and Molecular Neurobiology</i> , 2018, 38, 371-378.	1.7	24
17	Neuroendocrine and cardiovascular parameters during simulation of stress-induced rise in circulating oxytocin in the rat. <i>Stress</i> , 2010, 13, 315-323.	0.8	22
18	Neonatal manipulation of oxytocin prevents lipopolysaccharide-induced decrease in gene expression of growth factors in two developmental stages of the female rat. <i>Neuropeptides</i> , 2014, 48, 281-286.	0.9	21

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19	Abnormalities in interactions of Rho GTPases with scaffolding proteins contribute to neurodevelopmental disorders. <i>Journal of Neuroscience Research</i> , 2018, 96, 781-788.	1.3	20
20	Synapse alterations in autism: Review of animal model findings. <i>Biomedical Papers of the Medical Faculty of the University Palacký&amp;#x0301;, Olomouc, Czechoslovakia</i> , 2016, 160, 201-210.	0.2	18
21	The impact of oxytocin on neurite outgrowth and synaptic proteins in <i>Magel2</i> deficient mice. <i>Developmental Neurobiology</i> , 2021, 81, 366-388.	1.5	16
22	Increased Plasma Levels of the High Mobility Group Box 1 Protein (HMGB1) Are Associated With a Higher Score of Gastrointestinal Dysfunction in Individuals With Autism. <i>Physiological Research</i> , 2014, 63, S613-S618.	0.4	16
23	Cell proliferation and anti-oxidant effects of oxytocin and oxytocin receptors: role of extracellular signal-regulating kinase in astrocyte-like cells. <i>Endocrine Regulations</i> , 2020, 54, 172-182.	0.5	15
24	Cell proliferation in the hippocampus and in the heart is modified by exposure to repeated stress and treatment with memantine. <i>Journal of Psychiatric Research</i> , 2012, 46, 526-532.	1.5	14
25	Neuronal morphology alterations in autism and possible role of oxytocin. <i>Endocrine Regulations</i> , 2019, 53, 46-54.	0.5	14
26	Oxytocin Modulates Expression of Neuron and Glial Markers in the Rat Hippocampus. <i>Folia Biologica</i> , 2017, 63, 91-97.	0.8	14
27	Expression of synaptic proteins in the hippocampus is modulated by neonatal oxytocin treatment. <i>Neuroscience Letters</i> , 2020, 725, 134912.	1.0	13
28	Shank3 Deficiency is Associated With Altered Profile of Neurotransmission Markers in Pups and Adult Mice. <i>Neurochemical Research</i> , 2021, 46, 3342-3355.	1.6	13
29	Oxytocin Receptor Ligands Induce Changes in Cytoskeleton in Neuroblastoma Cells. <i>Journal of Molecular Neuroscience</i> , 2013, 50, 462-468.	1.1	12
30	Activation of the Oxytocin Receptor Modulates the Expression of Synaptic Adhesion Molecules in a Cell-Specific Manner. <i>Journal of Molecular Neuroscience</i> , 2019, 68, 171-180.	1.1	11
31	Phenylethanolamine <i>N</i> -Methyltransferase Gene Expression in the Heart and Blood Pressure Response to Oxytocin Treatment in Rats Exposed to Voluntary Wheel Running. <i>Annals of the New York Academy of Sciences</i> , 2008, 1148, 302-307.	1.8	8
32	Impact of housing technology on blood plasma corticosterone levels in laying hens. <i>Acta Veterinaria Hungarica</i> , 2008, 56, 515-527.	0.2	8
33	Mechanisms involved in the regulation of neuropeptide-mediated neurite outgrowth: a minireview. <i>Endocrine Regulations</i> , 2016, 50, 72-82.	0.5	8
34	Downregulation of Oxytocin Receptor Decreases the Length of Projections Stimulated by Retinoic Acid in the U-87MG Cells. <i>Neurochemical Research</i> , 2017, 42, 1006-1014.	1.6	8
35	Projection length stimulated by oxytocin is modulated by the inhibition of calcium signaling in U-87MG cells. <i>Journal of Neural Transmission</i> , 2018, 125, 1847-1856.	1.4	6
36	Gene expression levels of DNA methyltransferase enzymes in Shank3-deficient mouse model of autism during early development. <i>Endocrine Regulations</i> , 2021, 55, 234-237.	0.5	5

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37	Differences in home cage behavior and endocrine parameters in rats of four strains. <i>Endocrine Regulations</i> , 2006, 40, 113-8.	0.5	5
38	Changes in retinoic acid receptor status, 5 $\alpha$ -deiodinase activity and neuroendocrine response to voluntary wheel running. <i>General and Comparative Endocrinology</i> , 2010, 165, 304-308.	0.8	4
39	The epigenetic regulation of synaptic genes contributes to the etiology of autism. <i>Reviews in the Neurosciences</i> , 2021, 32, 791-802.	1.4	3
40	Protective Effect of Oxytocin Against Apoptosis and Oxidative Stress: Role of Extracellular Signal Regulating Kinases. <i>FASEB Journal</i> , 2019, 33, 736.3.	0.2	3
41	Plasma oxytocin levels are reduced in Slovak autistic boys. <i>Bratislava Medical Journal</i> , 2015, 116, 659-661.	0.4	2
42	Intracellular distribution of 3,6-bis(3-alkylguanidino)acridines determines their cytotoxicity. <i>Neoplasma</i> , 2015, 62, 98-107.	0.7	1
43	The effects of testosterone on gene expression of cell adhesion molecules and scaffolding proteins: The role of sex in early development. <i>Andrologia</i> , 2021, 53, e14153.	1.0	1
44	The role of selected postsynaptic scaffolding proteins at glutamatergic synapses in autism-related animal models. <i>Journal of Integrative Neuroscience</i> , 2021, 20, 1047-1057.	0.8	1