MaÅ‚gorzata Chalimoniuk

List of Publications by Year
in descending order

69 papers	2,354 citations	257101 24 h-index	223531 46 g-index
73 all docs	73 docs citations	73 times ranked	3558 citing authors

#	Article	IF	Citations
1	Effects of Short-Term Phosphate Loading on Aerobic Capacity under Acute Hypoxia in Cyclists: A Randomized, Placebo-Controlled, Crossover Study. Nutrients, 2022, 14, 236.	1.7	1
2	Serum metabolic profiles and metal levels of patients with multiple sclerosis and patients with neuromyelitis optica spectrum disorders - NMR spectroscopy and ICPâ€“MS studies. Multiple Sclerosis and Related Disorders, 2022, 60, 103672.	0.9	2
3	Sense of fairness and social attitude among adolescents-validation of Ukrainian version of Fair Play questionnaire. Physical Activity Review, 2022, 10, 126-139.	0.6	0
4	Red Blood Cell 2,3-Diphosphoglycerate Decreases in Response to a 30 km Time Trial Under Hypoxia in Cyclists. Frontiers in Physiology, 2021, 12, 670977.	1.3	13
5	Changes in the metabolic profiles of the serum and putamen in Parkinsonâ€™s disease patients â€“ In vitro and in vivo NMR spectroscopy studies. Brain Research, 2020, 1748, 147118.	1.1	16
6	The Effect of Endurance Training on Brain-Derived Neurotrophic Factor and Inflammatory Markers in Healthy People and Parkinson's Disease. A Narrative Review. Frontiers in Physiology, 2020, 11, 578981.	1.3	10
7	Comparison of maximal lactate steady state with anaerobic threshold determined by various methods based on graded exercise test with 3-minute stages in elite cyclists. BMC Sports Science, Medicine and Rehabilitation, 2020, 12, 70.	0.7	10
8	Exercise-Induced Elevated BDNF Level Does Not Prevent Cognitive Impairment Due to Acute Exposure to Moderate Hypoxia in Well-Trained Athletes. International Journal of Molecular Sciences, 2020, 21, 5569.	1.8	11
9	BDNF as a Promising Therapeutic Agent in Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 1170.	1.8	260
10	Gene polymorphisms and motor levodopaâ€induced complications in Parkinson's disease. Brain and Behavior, 2020, 10, e01537.	1.0	13
11	High-dose testosterone supplementation disturbs liver pro-oxidant/antioxidant balance and function in adolescent male Wistar rats undergoing moderate-intensity endurance training. PeerJ, 2020, 8, e10228.	0.9	8
12	Intermittent Hypoxic Training at Lactate Threshold Intensity Improves Aiming Performance in Well-Trained Biathletes with Little Change of Cardiovascular Variables. BioMed Research International, 2019, 2019, 1-17.	0.9	14
13	Acute normobaric hypoxia does not affect the simultaneous exercise-induced increase in circulating BDNF and GDNF in young healthy men: A feasibility study. PLoS ONE, 2019, 14, e0224207.	1.1	6
14	The effect of endurance training and testosterone supplementation on the expression of blood spinal cord barrier proteins in rats. PLoS ONE, 2019, 14, e0211818.	1.1	7
15	Three-Year Chronic Consumption of Low-Carbohydrate Diet Impairs Exercise Performance and Has a Small Unfavorable Effect on Lipid Profile in Middle-Aged Men. Nutrients, 2018, 10, 1914.	1.7	18
16	High-dose testosterone enanthate supplementation boosts oxidative stress, but exerts little effect on the antioxidant barrier in sedentary adolescent male rat liver. Pharmacological Reports, 2017, 69, 673-678.	1.5	7
17	Effects of IFN-Î²1a and IFN-Î²1b treatment on the expression of cytokines, inducible NOS (NOS type II), and myelin proteins in animal model of multiple sclerosis. Archivum Immunologiae Et Therapiae Experimentalis, 2017, 65, 325-338.	1.0	29
18	Intermittent hypoxic training improves anaerobic performance in competitive swimmers when implemented into a direct competition mesocycle. PLoS ONE, 2017, 12, e0180380.	1.1	35

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19	Clinical Application of Autologous Adipose Stem Cells in Patients with Multiple Sclerosis: Preliminary Results. Mediators of Inflammation, 2016, 2016, 1-5.	1.4	37
20	The mechanisms regulating cyclin-dependent kinase 5 in hippocampus during systemic inflammatory response: The effect on inflammatory gene expression. Neurochemistry International, 2016, 93, 103-112.	1.9	17
21	The influence of glutamatergic receptor antagonists on biochemical and ultrastructural changes in myelin membranes of rats subjected to experimental autoimmune encephalomyelitis. Folia Neuropathologica, 2015, 4, 317-326.	0.5	4
22	Central and Peripheral Fatigue During Resistance Exercise â€“ A Critical Review. Journal of Human Kinetics, 2015, 49, 159-169.	0.7	66
23	Baclofen or nNOS inhibitor affect molecular and behavioral alterations evoked by traumatic spinal cord injury in rat spinal cord. Spine Journal, 2015, 15, 1366-1378.	0.6	7
24	Endurance training upregulates the nitric oxide/soluble guanylyl cyclase/cyclic guanosine 3â€²,5â€²-monophosphate pathway in the striatum, midbrain and cerebellum of male rats. Brain Research, 2015, 1618, 29-40.	1.1	12
25	Effects of antagonists of glutamate receptors on pro-inflammatory cytokines in the brain cortex of rats subjected to experimental autoimmune encephalomyelitis. Journal of Neuroimmunology, 2013, 261, 67-76.	1.1	43
26	Effects of Interferon Î²-1a and Interferon Î²-1b Monotherapies on Selected Serum Cytokines and Nitrite Levels in Patients with Relapsing-Remitting Multiple Sclerosis: A 3-Year Longitudinal Study. NeuroImmunoModulation, 2013, 20, 213-222.	0.9	15
27	Spinal cord transection modifies neuronal nitric oxide synthase expression in medullar reticular nuclei and in the spinal cord and increases parvalbumin immunopositivity in motoneurons below the site of injury in experimental rabbits. Acta Histochemica, 2012, 114, 518-524.	0.9	8
28	cGMP level in idiopathic Parkinsonâ€™s disease patients with and without cardiovascular disease â€“ A pilot study. Parkinsonism and Related Disorders, 2011, 17, 689-692.	1.1	7
29	High-Dose Testosterone Propionate Treatment Reverses the Effects of Endurance Training on Myocardial Antioxidant Defenses in Adolescent Male Rats. Cardiovascular Toxicology, 2011, 11, 118-127.	1.1	33
30	Arginine and Ornithine Supplementation Increases Growth Hormone and Insulin-Like Growth Factor-1 Serum Levels After Heavy-Resistance Exercise in Strength-Trained Athletes. Journal of Strength and Conditioning Research, 2010, 24, 1082-1090.	1.0	69
31	Synthesis and antimicrobial and nitric oxide synthase inhibitory activities of novel isothiourea derivatives. Archives of Pharmacal Research, 2010, 33, 821-830.	2.7	16
32	Prolonged Exposure of Cortical Neurons to Oligomeric Amyloid-Î² Impairs NMDA Receptor Function Via NADPH Oxidase-Mediated ROS Production: Protective Effect of Green Tea (-)-Epigallocatechin-3-Gallate. ASN Neuro, 2010, 3, AN20100025.	1.5	81
33	Temporal expression of P2X7 purinergic receptor during the course of experimental autoimmune encephalomyelitis. Neurochemistry International, 2010, 57, 823-829.	1.9	27
34	Involvement of multiple protein kinases in cPLA₂ phosphorylation, arachidonic acid release, and cell death in in vivo and in vitro models of 1â€methylâ€4â€phenylpyridiniumâ€induced parkinsonism â€“ the possible key role of PKG. Journal of Neurochemistry, 2009, 110, 307-317.	2.1	30
35	Modification of blood antioxidant status and lipid profile in response to high-intensity endurance exercise after low doses of ï‰-3 polyunsaturated fatty acids supplementation in healthy volunteers. International Journal of Food Sciences and Nutrition, 2009, 60, 67-79.	1.3	19
36	Amyloid beta peptide and NMDA induce ROS from NADPH oxidase and AA release from cytosolic phospholipase A₂ in cortical neurons. Journal of Neurochemistry, 2008, 106, 45-55.	2.1	249

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37	Serum interleukin (IL-2, IL-10, IL-6, IL-4), TNFÎ±, and INFÎ³ concentrations are elevated in patients with atypical and idiopathic parkinsonism. Neuroscience Letters, 2008, 441, 158-162.	1.0	251
38	Cytosolic Phospholipase A2 and its Role in Parkinson's Disease. Advances in Cell Biology, 2008, -1, 1-13.	1.5	1
39	Blood-Brain Barrier and Exercise â€“ a Short Review. Journal of Human Kinetics, 2008, 19, 83-92.	0.7	11
40	The effect of subchronic, intermittent l-DOPA treatment on neuronal nitric oxide synthase and soluble guanylyl cyclase expression and activity in the striatum and midbrain of normal and MPTP-treated mice. Neurochemistry International, 2007, 50, 821-833.	1.9	40
41	Role of nitric oxide in the brain during lipopolysaccharide-evoked systemic inflammation. Journal of Neuroscience Research, 2007, 85, 1694-1703.	1.3	66
42	Activation of cPLA2 and sPLA2 in astrocytes exposed to simulated ischemia in vitro. Cell Biology International, 2007, 31, 958-965.	1.4	19
43	Amyloid beta enhances cytosolic phospholipase A2 level and arachidonic acid release via nitric oxide in APP-transfected PC12 cells.. Acta Biochimica Polonica, 2007, 54, 611-623.	0.3	32
44	Amyloid beta enhances cytosolic phospholipase A2 level and arachidonic acid release via nitric oxide in APP-transfected PC12 cells. Acta Biochimica Polonica, 2007, 54, 611-23.	0.3	17
45	Nitric oxide alters arachidonic acid turnover in brain cortex synaptoneurosomes. Neurochemistry International, 2006, 48, 1-8.	1.9	24
46	Alterations of the expression and activity of midbrain nitric oxide synthase and soluble guanylyl cyclase in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced Parkinsonism in mice. Neuroscience, 2006, 141, 1033-1046.	1.1	32
47	Inhibition of Arachidonic Acid Release by Cytosolic Phospholipase A2 Is Involved in the Antiapoptotic Effect of FK506 and Cyclosporin A on Astrocytes Exposed to Simulated Ischemia In Vitro. Journal of Pharmacological Sciences, 2006, 102, 77-87.	1.1	23
48	The Effect of Endurance Training on Regional Serotonin Metabolism in the Brain During Early Stage of Detraining Period in the Female Rat. Cellular and Molecular Neurobiology, 2006, 26, 1325-1340.	1.7	26
49	Phosphatidylinositol Transfer Protein Expression Altered by Aging and Parkinson Disease. Cellular and Molecular Neurobiology, 2006, 26, 1151-1164.	1.7	14
50	The Effect of a Spinal Cord Hemisection on Changes in Nitric Oxide Synthase Pools in the Site of Injury and in Regions Located Far Away from the Injured Site. Cellular and Molecular Neurobiology, 2006, 26, 1365-1383.	1.7	14
51	Changes in concentration of cerebrospinal fluid components in patients with traumatic brain injury. Brain Research, 2006, 1104, 183-189.	1.1	32
52	The role of astroglia in Pb-exposed adult rat brain with respect to glutamate toxicity. Toxicology, 2005, 212, 185-194.	2.0	38
53	Distinct signaling pathways for induction of type II NOS by IFNÎ³ and LPS in BV-2 microglial cells. Neurochemistry International, 2005, 47, 298-307.	1.9	67
54	Changes in expression of neuronal and glial glutamate transporters in lead-exposed adult rat brain. Neurochemistry International, 2005, 47, 326-333.	1.9	20

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55	Effect of aniracetam on phosphatidylinositol transfer protein alpha in cytosolic and plasma membrane fractions of astrocytes subjected to simulated ischemia in vitro. Pharmacological Reports, 2005, 57, 664-9.	1.5	2
56	Arachidonic acid increases choline acetyltransferase activity in spinal cord neurons through a protein kinase C-mediated mechanism. Journal of Neurochemistry, 2004, 90, 629-636.	2.1	19
57	Upregulation of guanylyl cyclase expression and activity in striatum of MPTP-induced parkinsonism in mice. Biochemical and Biophysical Research Communications, 2004, 324, 118-126.	1.0	41
58	Age-related alteration of activity and gene expression of endothelial nitric oxide synthase in different parts of the brain in rats. Neuroscience Letters, 2004, 370, 175-179.	1.0	20
59	Pergolide Mesylate, a Dopaminergic Receptor Agonist, Applied With l-DOPA Enhances Serum Antioxidant Enzyme Activity in Parkinson Disease. Clinical Neuropharmacology, 2004, 27, 223-229.	0.2	16
60	P2X7 nucleotide receptor activation enhances IFNÎ³-induced type II nitric oxide synthase activity in BV-2 microglial cells. Journal of Neurochemistry, 2003, 87, 344-352.	2.1	89
61	Activation of constitutive nitric oxide synthase(s) and absence of inducible isoform in aged rat brain. Neurochemistry International, 2003, 42, 315-322.	1.9	37
62	Alteration of phosphatidylinositol transfer protein during global brain ischemiaâ€“reperfusion in gerbils. Neurochemistry International, 2002, 41, 229-236.	1.9	0
63	Effect of spinal cord compression on cyclic 3â€²,5â€²-guanosine monophosphate in the white matter columns of rabbit. Neurochemistry International, 2001, 39, 275-282.	1.9	5
64	Hydroxylamine attenuates the effects of simulated subarachnoid hemorrhage in the rat brain and improves neurological outcome. Brain Research, 1999, 850, 225-233.	1.1	25
65	NMDA receptor-dependent nitric oxide and cGMP synthesis in brain hemispheres and cerebellum during reperfusion after transient forebrain ischemia in gerbils: Effect of 7-nitroindazole. , 1998, 54, 681-690.		32
66	Aging modulates nitric oxide synthesis and cGMP levels in hippocampus and cerebellum. Molecular and Chemical Neuropathology, 1998, 35, 77-95.	1.0	86
67	Arachidonate transport through the bloodâ€retina and bloodâ€brain barrier of the rat after reperfusion of varying duration following complete cerebral ischemia. International Journal of Developmental Neuroscience, 1998, 16, 103-113.	0.7	6
68	Arachidonate transport through the blood-retina and blood-brain barrier of the rat during aging. Neuroscience Letters, 1996, 209, 145-148.	1.0	12
69	Nitric oxide responsible for NMDA receptor-evoked inhibition of arachidonic acid incorporation into lipids of brain membrane. Molecular and Chemical Neuropathology, 1996, 29, 79-92.	1.0	7