

Aleksandra Rasic Markovic

List of Publications by Year in descending order

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papers

638
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623574

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#	ARTICLE	IF	CITATIONS
1	The activity of erythrocyte and brain Na ⁺ /K ⁺ and Mg ²⁺ -ATPases in rats subjected to acute homocysteine and homocysteine thiolactone administration. <i>Molecular and Cellular Biochemistry</i> , 2009, 327, 39-45.	1.4	44
2	Two Types of Seizures in Homocysteine Thiolactone-Treated Adult Rats, Behavioral and Electroencephalographic Study. <i>Cellular and Molecular Neurobiology</i> , 2009, 29, 329-339.	1.7	42
3	The Role of Nitric Oxide in Homocysteine Thiolactone-Induced Seizures in Adult Rats. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 219-231.	1.7	29
4	Anxiety-related behavior in hyperhomocysteinemia induced by methionine nutritional overload in rats: role of the brain oxidative stress. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016, 94, 1074-1082.	0.7	27
5	Effects of high-intensity interval training and nutrition advice on cardiometabolic markers and aerobic fitness in adolescent girls with obesity. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020, 45, 294-300.	0.9	27
6	Chronic prostatitis/chronic pelvic pain syndrome increases susceptibility to seizures in rats and alters brain levels of IL-1 β and IL-6. <i>Epilepsy Research</i> , 2019, 153, 19-27.	0.8	25
7	Correlation between electrocorticographic and motor phenomena in lindane-induced experimental epilepsy in rats This article is one of a selection of papers published in the special issue Bridging the Gap: Where Progress in Cardiovascular and Neurophysiologic Research Meet.. <i>Canadian Journal of Physiology and Pharmacology</i> , 2008, 86, 173-179.	0.7	21
8	The effects of dietary methionine restriction on the function and metabolic reprogramming in the liver and brain – implications for longevity. <i>Reviews in the Neurosciences</i> , 2019, 30, 581-593.	1.4	19
9	Hypertension in Polycystic Ovary Syndrome: Novel Insights. <i>Current Hypertension Reviews</i> , 2020, 16, 55-60.	0.5	19
10	Experimental Chronic Prostatitis/Chronic Pelvic Pain Syndrome Increases Anxiety-Like Behavior: The Role of Brain Oxidative Stress, Serum Corticosterone, and Hippocampal Parvalbumin-Positive Interneurons. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-17.	1.9	19
11	Finasteride improves motor, EEG, and cellular changes in rat brain in thioacetamide-induced hepatic encephalopathy. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, G931-G940.	1.6	18
12	The Role of nitric oxide in convulsions induced by lindane in rats. <i>Food and Chemical Toxicology</i> , 2011, 49, 947-954.	1.8	17
13	Exercise Decreases Susceptibility to Homocysteine Seizures: the Role of Oxidative Stress. <i>International Journal of Sports Medicine</i> , 2014, 35, 544-550.	0.8	16
14	Behavioral and electroencephalographic manifestations of thioacetamide-induced encephalopathy in rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 1219-1227.	0.7	15
15	Prenatal Androgenization Induces Anxiety-Like Behavior in Female Rats, Associated with Reduction of Inhibitory Interneurons and Increased BDNF in Hippocampus and Cortex. <i>BioMed Research International</i> , 2019, 2019, 1-12.	0.9	15
16	Different Sensitivity of Various Brain Structures to Thioacetamide-Induced Lipid Peroxidation. <i>Medicinal Chemistry</i> , 2012, 8, 52-58.	0.7	14
17	Finasteride Has Regionally Different Effects on Brain Oxidative Stress and Acetylcholinesterase Activity in Acute Thioacetamide-Induced Hepatic Encephalopathy in Rats. <i>PLoS ONE</i> , 2015, 10, e0134434.	1.1	14
18	Short-term sleep fragmentation enhances anxiety-related behavior: The role of hormonal alterations. <i>PLoS ONE</i> , 2019, 14, e0218920.	1.1	14

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19	The correlation between lipid peroxidation in different brain regions and the severity of lindane-induced seizures in rats. <i>Molecular and Cellular Biochemistry</i> , 2010, 333, 243-250.	1.4	13
20	Homocysteine, folic acid and coronary artery disease: possible impact on prognosis and therapy. <i>The Indian Journal of Chest Diseases & Allied Sciences</i> , 2008, 50, 39-48.	0.1	13
21	Inhibition of the Neuronal Nitric Oxide Synthase Potentiates Homocysteine Thiolactone- Induced Seizures in Adult Rats. <i>Medicinal Chemistry</i> , 2012, 8, 59-64.	0.7	12
22	Nonalcoholic Fatty Liver Disease in Patients with Polycystic Ovary Syndrome. <i>Current Pharmaceutical Design</i> , 2019, 24, 4593-4597.	0.9	12
23	Influence of NR2B-Selective NMDA Antagonist on Lindane-Induced Seizures in Rats. <i>Pharmacology</i> , 2009, 84, 234-239.	0.9	11
24	Anticonvulsive Effect of Folic Acid in Homocysteine Thiolactone-Induced Seizures. <i>Cellular and Molecular Neurobiology</i> , 2011, 31, 1221-1228.	1.7	11
25	Moderate body hypothermia alleviates behavioral and EEG manifestations of audiogenic seizures in metaphit-treated rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2007, 85, 1032-1037.	0.7	10
26	Oxidative stress in liver and red blood cells in acute lindane toxicity in rats. <i>Human and Experimental Toxicology</i> , 2009, 28, 747-757.	1.1	10
27	Paradoxical sleep deprivation potentiates epilepsy induced by homocysteine thiolactone in adult rats. <i>Experimental Biology and Medicine</i> , 2013, 238, 77-83.	1.1	10
28	Moderate hyperhomocysteinemia induced by short-term dietary methionine overload alters bone microarchitecture and collagen features during growth. <i>Life Sciences</i> , 2017, 191, 9-16.	2.0	10
29	Hyperhomocysteinemia induced by methionine dietary nutritional overload modulates acetylcholinesterase activity in the rat brain. <i>Molecular and Cellular Biochemistry</i> , 2014, 396, 99-105.	1.4	9
30	The effect of subchronic supplementation with folic acid and L-arginine on homocysteine-induced seizures. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016, 94, 1083-1089.	0.7	9
31	Sleep disruption increases seizure susceptibility: Behavioral and EEG evaluation of an experimental model of sleep apnea. <i>Physiology and Behavior</i> , 2016, 155, 188-194.	1.0	9
32	Ontogenetic influence on rat susceptibility to lindane seizure after pretreatment with phencyclidine. <i>Environmental Toxicology and Pharmacology</i> , 2013, 35, 161-170.	2.0	8
33	The effect of N-methyl-D-aspartate receptor antagonists on D,L-homocysteine thiolactone induced seizures in adult rats. <i>Acta Physiologica Hungarica</i> , 2011, 98, 17-26.	0.9	7
34	The effect of subchronic supplementation with folic acid on homocysteine induced seizures. <i>Acta Physiologica Hungarica</i> , 2015, 102, 151-162.	0.9	7
35	Sulfur Containing Amino Acids in Seizures: Current State of the Art. <i>Current Medicinal Chemistry</i> , 2018, 25, 378-390.	1.2	7
36	Gaseous neurotransmitter nitric oxide: Its role in experimental models of epilepsy. <i>Archives of Biological Sciences</i> , 2012, 64, 1207-1216.	0.2	7

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37	Interaction of Delta Sleep-inducing Peptide and Valproate on Metaphit Audiogenic Seizure Model in Rats. <i>Cellular and Molecular Neurobiology</i> , 2007, 27, 923-932.	1.7	6
38	Modulations of rabbit erythrocyte ATPase activities induced by inÂvitro and inÂvivo exposure to ethanol. <i>Molecular and Cellular Biochemistry</i> , 2008, 308, 111-116.	1.4	6
39	Spectral analysis of thioacetamide-induced electroencephalographic changes in rats. <i>Human and Experimental Toxicology</i> , 2013, 32, 90-100.	1.1	6
40	Anxiogenic Potential of Experimental Sleep Fragmentation Is Duration-Dependent and Mediated via Oxidative Stress State. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-14.	1.9	6
41	Multidisciplinary approach to nitric oxide signaling: Focus on gastrointestinal and central nervous system. <i>Vojnosanitetski Pregled</i> , 2015, 72, 619-624.	0.1	6
42	Homocysteine thiolactone-induced seizures in adult rats are aggravated by inhibition of inducible nitric oxide synthase. <i>Human and Experimental Toxicology</i> , 2014, 33, 496-503.	1.1	5
43	Experimental chronic sleep fragmentation alters seizure susceptibility and brain levels of interleukins 1 β and 6. <i>Acta Neurobiologiae Experimentalis</i> , 2021, 81, 96-109.	0.4	5
44	Neural pathways underlying the interplay between emotional experience and behavior, from old theories to modern insight. <i>Archives of Biological Sciences</i> , 2021, 73, 361-370.	0.2	4
45	The central nervous system is not immunoprivileged: Inflammation and epileptogenesis. <i>Vojnosanitetski Pregled</i> , 2018, 75, 820-825.	0.1	4
46	Behavioral and electroencephalographic manifestations of thioacetamide-induced encephalopathy: Possible mechanisms of neurotoxic effects. <i>Archives of Biological Sciences</i> , 2012, 64, 829-841.	0.2	3
47	Dose-dependent anticonvulsive effect of ethanol on lindane-induced seizures in rats This article is one of a selection of papers published in the special issue Bridging the Gap: Where Progress in Cardiovascular and Neurophysiologic Research Meet.. <i>Canadian Journal of Physiology and Pharmacology</i> , 2008, 86, 148-152.	0.7	2
48	A decade in female reproduction: an endocrine view of the past and into the future. <i>Hormones</i> , 2018, 17, 497-505.	0.9	2
49	Homocysteine: Neurotoxicity and mechanisms of induced hyperexcitability. <i>Serbian Journal of Experimental and Clinical Research</i> , 2011, 12, 3-10.	0.2	2
50	The effects of hydrogen sulfide synthesis inhibition in lindane-induced seizures in rats: A behavioral and EEG study. <i>Archives of Biological Sciences</i> , 2020, 72, 457-463.	0.2	2
51	High dose of ethanol decreases total spectral power density in seizures induced by D,L-homocysteine thiolactone in adult rats. <i>General Physiology and Biophysics</i> , 2009, 28 Spec No, 25-32.	0.4	2
52	Magnesium supplementation and age-related changes in lipid status of rats. <i>Archives of Gerontology and Geriatrics</i> , 2002, 35, 327-330.	1.4	1
53	Modulation of Epileptic Activity in Rats: Focus on Sleep, Physical Exercise and Nitric Oxide-mediated Neurotransmission in a Model of Homocysteine Thiolactone-induced Seizures. <i>Serbian Journal of Experimental and Clinical Research</i> , 2014, 15, 3-10.	0.2	1
54	The Influence of Finasteride on Mean and Relative Spectral Density of EEG Bands in Rat Model of Thioacetamide-Induced Hepatic Encephalopathy. <i>Neurotoxicity Research</i> , 2016, 30, 150-158.	1.3	1

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55	Modulatory effects of delta sleep-inducing peptide in a lindane model of generalized seizures. Archives of Biological Sciences, 2018, 70, 559-566.	0.2	1
56	Basic characteristics of epileptiform discharges triggered by lindane in rats. Medicinski Podmladak, 2018, 69, 69-75.	0.2	1
57	Acetylcholinesterase as a potential target of acute neurotoxic effects of lindane in rats. General Physiology and Biophysics, 2009, 28 Spec No, 18-24.	0.4	1
58	Neurophysiology of stress: From historical to modern approach. , 2022, 55, 51-57.		1
59	Magnesium and the maturation process in rats. Archives of Gerontology and Geriatrics, 2002, 35, 291-294.	1.4	0
60	Valproate and delta-sleep peptide display high efficacy against metaphit-induced audiogenic seizure in rats. Acta Physiologica Hungarica, 2006, 93, 303-314.	0.9	0
61	Beneficial effects of delta sleep inducing peptide on metaphit seizures. Acta Veterinaria, 2007, 57, 89-101.	0.2	0
62	Effects of ethanol on electroencephalographic and behavioral signs of metaphit-induced audiogenic seizure. Acta Veterinaria, 2008, 58, 111-120.	0.2	0
63	Hyperhomocysteinemia induced by methionine nutritional overload more promptly affects brain than heart cholinergic system without affects on food intake and body mass gain. Atherosclerosis, 2017, 263, e168.	0.4	0
64	Homocysteine, Neurotoxicity and Hyperexcitability. NATO Science for Peace and Security Series A: Chemistry and Biology, 2013, , 73-81.	0.5	0
65	Folic acid supplementation alleviates behavioral manifestations of lindane-induced seizures. Archives of Biological Sciences, 2019, 71, 403-408.	0.2	0
66	Neurogenesis and the impact of steroid hormones on behaviour. , 2016, 50, 23-29.		0
67	Basic characteristics of EEG epileptiform discharges triggered by lindane in a model of experimental prostatitis. Medicinski Podmladak, 2022, 73, 13-19.	0.2	0