

Ivana Grkovic

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Developmental Increase in Ecto-5â€²-Nucleotidase Activity Overlaps with Appearance of Two Immunologically Distinct Enzyme Isoforms in Rat Hippocampal Synaptic Plasma Membranes. <i>Journal of Molecular Neuroscience</i> , 2014, 54, 109-118.	1.1	28
2	Ontogenetic profile of ecto-5â€²-nucleotidase in rat brain synaptic plasma membranes. <i>International Journal of Developmental Neuroscience</i> , 2011, 29, 397-403.	0.7	27
3	Role of Ectonucleotidases in Synapse Formation During Brain Development: Physiological and Pathological Implications. <i>Current Neuropharmacology</i> , 2018, 17, 84-98.	1.4	23
4	Low-Dose Dexamethasone Treatment Promotes the Pro-Survival Signalling Pathway in the Adult Rat Prefrontal Cortex. <i>Journal of Neuroendocrinology</i> , 2013, 25, 605-616.	1.2	19
5	17Î²-Estradiol upregulates ecto-5â€²-nucleotidase (CD73) in hippocampal synaptosomes of female rats through action mediated by estrogen receptor-Î± and -Î². <i>Neuroscience</i> , 2016, 324, 286-296.	1.1	16
6	Architectural and functional remodeling of cardiac and skeletal muscle cells in mice lacking specific isoenzymes of creatine kinase. <i>General Physiology and Biophysics</i> , 2009, 28, 219-224.	0.4	15
7	Intermittent Theta Burst Stimulation Ameliorates Cognitive Deficit and Attenuates Neuroinflammation via PI3K/Akt/mTOR Signaling Pathway in Alzheimerâ€™s-Like Disease Model. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, .	1.7	15
8	Two Distinct Hippocampal Astrocyte Morphotypes Reveal Subfield-Different Fate during Neurodegeneration Induced by Trimethyltin Intoxication. <i>Neuroscience</i> , 2019, 423, 38-54.	1.1	14
9	Repeated low-dose 17Î²-estradiol treatment prevents activation of apoptotic signaling both in the synaptosomal and cellular fraction in rat prefrontal cortex following cerebral ischemia. <i>Neurochemistry International</i> , 2015, 83-84, 1-8.	1.9	13
10	Regional and sex-related differences in modulating effects of female sex steroids on ecto-5â€²-nucleotidase expression in the rat cerebral cortex and hippocampus. <i>General and Comparative Endocrinology</i> , 2016, 235, 100-107.	0.8	13
11	Application of Gray Level Co-Occurrence Matrix Analysis as a New Method for Enzyme Histochemistry Quantification. <i>Microscopy and Microanalysis</i> , 2019, 25, 690-698.	0.2	12
12	Downregulation of CD73/A2AR-Mediated Adenosine Signaling as a Potential Mechanism of Neuroprotective Effects of Theta-Burst Transcranial Magnetic Stimulation in Acute Experimental Autoimmune Encephalomyelitis. <i>Brain Sciences</i> , 2021, 11, 736.	1.1	12
13	Trimethyltin Increases Intracellular Ca ²⁺ Via L-Type Voltage-Gated Calcium Channels and Promotes Inflammatory Phenotype in Rat Astrocytes In Vitro. <i>Molecular Neurobiology</i> , 2021, 58, 1792-1805.	1.9	12
14	Effects of chronic cerebral hypoperfusion and low-dose progesterone treatment on apoptotic processes, expression and subcellular localization of key elements within Akt and Erk signaling pathways in rat hippocampus. <i>Neuroscience</i> , 2015, 311, 308-321.	1.1	11
15	17Î²-Estradiol-Induced Synaptic Rearrangements Are Accompanied by Altered Ectonucleotidase Activities in Male Rat Hippocampal Synaptosomes. <i>Journal of Molecular Neuroscience</i> , 2017, 61, 412-422.	1.1	11
16	Spatial Distribution and Expression of Ectonucleotidases in Rat Hippocampus After Removal of Ovaries and Estradiol Replacement. <i>Molecular Neurobiology</i> , 2019, 56, 1933-1945.	1.9	11
17	Microglial- and Astrocyte-Specific Expression of Purinergic Signaling Components and Inflammatory Mediators in the Rat Hippocampus During Trimethyltin-Induced Neurodegeneration. <i>ASN Neuro</i> , 2021, 13, 175909142110448.	1.5	11
18	ATP and ADP hydrolysis in cell membranes from rat myometrium. <i>Molecular and Cellular Biochemistry</i> , 2012, 371, 199-208.	1.4	10

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19	Expression of ecto-nucleoside triphosphate diphosphohydrolase3 (NTPDase3) in the female rat brain during postnatal development. <i>Journal of Chemical Neuroanatomy</i> , 2016, 77, 10-18.	1.0	10
20	Repeated Estradiol Treatment Attenuates Chronic Cerebral Hypoperfusion-Induced Neurodegeneration in Rat Hippocampus. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 989-999.	1.7	10
21	Regional-specific effects of cerebral ischemia/reperfusion and dehydroepiandrosterone on synaptic NMDAR/PSD-95 complex in male Wistar rats. <i>Brain Research</i> , 2018, 1688, 73-80.	1.1	10
22	Effect of acute stress on NTPDase and 5â€²-nucleotidase activities in brain synaptosomes in different stages of development. <i>International Journal of Developmental Neuroscience</i> , 2010, 28, 175-182.	0.7	9
23	Inhibition of mitochondrial Na ⁺ -dependent Ca ²⁺ efflux by 17Î²-estradiol in the rat hippocampus. <i>Neuroscience</i> , 2011, 192, 195-204.	1.1	9
24	Timeâ€”Course of Hypothalamicâ€”Pituitaryâ€”Adrenal Axis Activity and Inflammation in Juvenile Rat Brain After Cranial Irradiation. <i>Cellular and Molecular Neurobiology</i> , 2012, 32, 1175-1185.	1.7	9
25	Upregulation of Nucleoside Triphosphate Diphosphohydrolase-1 and Ecto-5â€²-Nucleotidase in Rat Hippocampus after Repeated Low-Dose Dexamethasone Administration. <i>Journal of Molecular Neuroscience</i> , 2015, 55, 959-967.	1.1	7
26	Progesterone Protects Prefrontal Cortex in Rat Model of Permanent Bilateral Common Carotid Occlusion via Progesterone Receptors and Akt/Erk/eNOS. <i>Cellular and Molecular Neurobiology</i> , 2020, 40, 829-843.	1.7	7
27	17Î²-estradiol modulates mitochondrial Ca ²⁺ flux in rat caudate nucleus and brain stem. <i>Neuroscience</i> , 2012, 220, 32-40.	1.1	6
28	Estrogen receptors modulate ectonucleotidases activity in hippocampal synaptosomes of male rats. <i>Neuroscience Letters</i> , 2019, 712, 134474.	1.0	6
29	Estradiol induces synaptic rearrangements. <i>Vitamins and Hormones</i> , 2020, 114, 233-256.	0.7	5
30	Molecular Alterations and Effects of Acute Dehydroepiandrosterone Treatment Following Brief Bilateral Common Carotid Artery Occlusion: Relevance to Transient Ischemic Attack. <i>Neuroscience</i> , 2019, 410, 128-139.	1.1	4
31	Time-related sex differences in cerebral hypoperfusion-induced brain injury. <i>Archives of Biological Sciences</i> , 2014, 66, 1673-1680.	0.2	4
32	Altered Topographic Distribution and Enhanced Neuronal Expression of Adenosine-Metabolizing Enzymes in Rat Hippocampus and Cortex from Early to late Adulthood. <i>Neurochemical Research</i> , 2022, 47, 1637-1650.	1.6	2
33	Expression of Ectonucleoside Triphosphate Diphosphohydrolase 2 (NTPDase2) Is Negatively Regulated Under Neuroinflammatory Conditions<i>In Vivo</i>and<i>In Vitro</i>. <i>ASN Neuro</i> , 2022, 14, 175909142211020.	1.5	2
34	Effect of EDTA on copper-induced inhibition of rat myometrial ecto-ATPase activity. <i>Russian Journal of Physical Chemistry A</i> , 2009, 83, 1592-1595.	0.1	1
35	Effects of acute gamma-irradiation on extracellular adenine nucleotide hydrolysis in developing rat brain. <i>Russian Journal of Physical Chemistry A</i> , 2009, 83, 1596-1601.	0.1	1
36	Kinetic characterization of ecto-nucleoside triphosphate diphosphohydrolases in brain nerve terminals during rat postnatal development. <i>Russian Journal of Physical Chemistry A</i> , 2011, 85, 2416-2421.	0.1	1

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37	Estradiol receptors mediate estradiol-induced inhibition of mitochondrial Ca ²⁺ efflux in rat caudate nucleus and brain stem. Turkish Journal of Biology, 2015, 39, 328-334.	2.1	0
38	Inhibition of mitochondrial Na-dependent Ca ²⁺ efflux from rat brain stem by 17 β -estradiol. Archives of Biological Sciences, 2009, 61, 171-177.	0.2	0
39	Radiation-mediated induction of apoptotic cell death in rat hippocampus. Nuclear Technology and Radiation Protection, 2013, 28, 212-220.	0.3	0
40	Ectonucleotidases in the hippocampus: Spatial distribution and expression after ovariectomy and estradiol replacement. Vitamins and Hormones, 2022, 118, 199-221.	0.7	0
41	Enzyme histochemistry: a useful tool for examining the spatial distribution of brain ectonucleotidases in (patho)physiological conditions.. Histology and Histopathology, 2022, , 18471.	0.5	0