

Nataliya G Pozdnyakova

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

157
citations

7
h-index

12
g-index

20
ext. papers

206
ext. citations

4
avg, IF

2.8
L-index

#	Paper	IF	Citations
18	A comparative study of wood sawdust and plastic smoke particulate matter with a focus on spectroscopic, fluorescent, oxidative, and neuroactive properties.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
17	The ability of carbon nanoparticles to increase transmembrane current of cations coincides with impaired synaptic neurotransmission. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022 , 1864, 183817	3.8	1
16	Amphiphilic anti-SARS-CoV-2 drug remdesivir incorporates into the lipid bilayer and nerve terminal membranes influencing excitatory and inhibitory neurotransmission.. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022 , 183945	3.8	1
15	GABAA receptor agonist cinazepam and its active metabolite 3-hydroxyphenazepam act differently at the presynaptic site. <i>European Neuropsychopharmacology</i> , 2021 , 45, 39-51	1.2	
14	Unique features of brain metastases-targeted AGuIX nanoparticles vs their constituents: A focus on glutamate-/GABA-ergic neurotransmission in cortex nerve terminals. <i>Food and Chemical Toxicology</i> , 2021 , 149, 112004	4.7	2
13	Inhibition of sigma-1 receptors substantially modulates GABA and glutamate transport in presynaptic nerve terminals. <i>Experimental Neurology</i> , 2020 , 333, 113434	5.7	6
12	Essential variables for air quality estimation. <i>International Journal of Digital Earth</i> , 2020 , 13, 278-298	3.9	9
11	Plastic smoke aerosol: Nano-sized particle distribution, absorption/fluorescent properties, dysregulation of oxidative processes and synaptic transmission in rat brain nerve terminals. <i>Environmental Pollution</i> , 2020 , 263, 114502	9.3	6
10	Age-Dependency of Levetiracetam Effects on Exocytotic GABA Release from Nerve Terminals in the Hippocampus and Cortex in Norm and After Perinatal Hypoxia. <i>Cellular and Molecular Neurobiology</i> , 2019 , 39, 701-714	4.6	4
9	Vitamin D3 deficiency in puberty rats causes presynaptic malfunctioning through alterations in exocytotic release and uptake of glutamate/GABA and expression of EAAC-1/GAT-3 transporters. <i>Food and Chemical Toxicology</i> , 2019 , 123, 142-150	4.7	16
8	Comparative Analysis of Neurotoxic Potential of Synthesized, Native, and Physiological Nanoparticles. <i>Neuromethods</i> , 2018 , 203-227	0.4	3
7	Harmful impact on presynaptic glutamate and GABA transport by carbon dots synthesized from sulfur-containing carbohydrate precursor. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 17688-17700	5.1	13
6	Consequences of perinatal hypoxia in developing brain: Changes in GABA transporter functioning in cortical, hippocampal and thalamic rat nerve terminals. <i>International Journal of Developmental Neuroscience</i> , 2017 , 63, 1-7	2.7	7
5	Effects of surface functionalization of hydrophilic NaYF nanocrystals doped with Eu on glutamate and GABA transport in brain synaptosomes. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 275	2.3	6
4	Enrichment of Inorganic Martian Dust Simulant with Carbon Component can Provoke Neurotoxicity. <i>Microgravity Science and Technology</i> , 2017 , 29, 133-144	1.6	6
3	Neuroactivity of detonation nanodiamonds: dose-dependent changes in transporter-mediated uptake and ambient level of excitatory/inhibitory neurotransmitters in brain nerve terminals. <i>Journal of Nanobiotechnology</i> , 2016 , 14, 25	9.4	19
2	Neuromodulatory properties of fluorescent carbon dots: effect on exocytotic release, uptake and ambient level of glutamate and GABA in brain nerve terminals. <i>International Journal of Biochemistry and Cell Biology</i> , 2015 , 59, 203-15	5.6	38

- 1 Perinatal hypoxia: different effects of the inhibitors of GABA transporters GAT1 and GAT3 on the initial velocity of [3H]GABA uptake by cortical, hippocampal, and thalamic nerve terminals. *Croatian Medical Journal*, **2014**, 55, 250-8 1.6 19