Nataliya G Pozdnyakova

List of Publications by Citations

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

List of Publications

1 GABAA receptor agonist cinazepam and its active metabolite 3-hydroxyphenazepam act differently at the presynaptic site. *European Neuropsychopharmacology*, **2021**, 45, 39-51 1.2