Artem Pastukhov

List of Publications by Year
in descending order

22	281	933264 10	887953 17
papers	citations	h-index	g-index

22	22	22	247
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	1.8	33
2	An amperometric glutamate biosensor for monitoring glutamate release from brain nerve terminals and in blood plasma. Analytica Chimica Acta, 2018, 1022, 113-123.	2.6	32
3	Dynamic Gradient of Glutamate Across the Membrane: Glutamate/Aspartate-Induced Changes in the Ambient Level of l-[14C]glutamate and d-[3H]aspartate in Rat Brain Nerve Terminals. Cellular and Molecular Neurobiology, 2016, 36, 1229-1240.	1.7	31
4	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.	4.2	30
5	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.	3.7	23
6	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.	2.7	18
7	Effect of O-methyl-Î²-cyclodextrin-modified magnetic nanoparticles on the uptake and extracellular level of l-glutamate in brain nerve terminals. Colloids and Surfaces B: Biointerfaces, 2017, 149, 64-71.	2.5	16
8	Personalized approach in brain protection by hypothermia: individual changes in non-pathological and ischemia-related glutamate transport in brain nerve terminals. EPMA Journal, 2016, 7, 26.	3.3	13
9	Membrane action of polyhexamethylene guanidine hydrochloride revealed on smooth muscle cells, nerve tissue and rat blood platelets: A biocide driven pore-formation in phospholipid bilayers. Toxicology in Vitro, 2019, 60, 389-399.	1.1	12
10	Levetiracetam-mediated improvement of decreased NMDA-induced glutamate release from nerve terminals during hypothermia. Brain Research, 2018, 1699, 69-78.	1.1	11
11	Enrichment of Inorganic Martian Dust Simulant with Carbon Component can Provoke Neurotoxicity. Microgravity Science and Technology, 2017, 29, 133-144.	0.7	10
12	Effects of surface functionalization of hydrophilic NaYF4 nanocrystals doped with Eu3+ on glutamate and GABA transport in brain synaptosomes. Journal of Nanoparticle Research, 2017, 19, 275.	0.8	8
13	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, 29, 38315-38330.	2.7	8
14	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.	1.8	7
15	Dual benefit of combined neuroprotection: Cholesterol depletion restores membrane microviscosity but not lipid order and enhances neuroprotective action of hypothermia in rat cortex nerve terminals. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183362.	1.4	6
16	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, 1864, 183945.	1.4	5
17	Combined Application of Glutamate Transporter Inhibitors and Hypothermia Discriminates Principal Constituent Processes Involved in Glutamate Homo- and Heteroexchange in Brain Nerve Terminals. Therapeutic Hypothermia and Temperature Management, 2018, 8, 143-149.	0.3	4
18	Comparative Analysis of Neurotoxic Potential of Synthesized, Native, and Physiological Nanoparticles. Neuromethods, 2018, , 203-227.	0.2	4

#	Article	IF	Citations
19	Effect of Fe₃O₄ @ SiO₂ Nanoparticle Diameter on Glutamate Transport in Brain Nerve Terminals. Nanoscience and Nanotechnology Letters, 2019, 11, 61-69.	0.4	4
20	Transient coating of Î³-Fe₂O₃ nanoparticles with glutamate for its delivery to and removal from brain nerve terminals. Beilstein Journal of Nanotechnology, 2020, 11, 1381-1393.	1.5	3
21	Neuromodulation by selective angiotensin-converting enzyme 2 inhibitors. Neuroscience, 2022, 498, 155-173.	1.1	2
22	Carbon-Containing Nanoparticles From Grass: Green Synthesis, Optical, Spectrospopic, Oxidative Properties And Neurotropic Action In Brain Nerve Terminals. , 2021, , .		1