

Artem Pastukhov

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

281
citations

933264

10
h-index

887953

17
g-index

22
all docs

22
docs citations

22
times ranked

247
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 29, 38315-38330.	2.7	8
2	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, 1864, 183945.	1.4	5
3	Neuromodulation by selective angiotensin-converting enzyme 2 inhibitors. <i>Neuroscience</i> , 2022, 498, 155-173.	1.1	2
4	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.	1.8	7
5	Carbon-Containing Nanoparticles From Grass: Green Synthesis, Optical, Spectroscopic, Oxidative Properties And Neurotropic Action In Brain Nerve Terminals. , 2021, , .		1
6	Transient coating of Fe_2O_3 nanoparticles with glutamate for its delivery to and removal from brain nerve terminals. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 1381-1393.	1.5	3
7	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.	3.7	23
8	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. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183362.	1.4	6
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. <i>Toxicology in Vitro</i> , 2019, 60, 389-399.	1.1	12
10	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.	1.8	33
11	Effect of Fe_3O_4 @ SiO_2 Nanoparticle Diameter on Glutamate Transport in Brain Nerve Terminals. <i>Nanoscience and Nanotechnology Letters</i> , 2019, 11, 61-69.	0.4	4
12	Combined Application of Glutamate Transporter Inhibitors and Hypothermia Discriminates Principal Constituent Processes Involved in Glutamate Homo- and Heteroexchange in Brain Nerve Terminals. <i>Therapeutic Hypothermia and Temperature Management</i> , 2018, 8, 143-149.	0.3	4
13	Comparative Analysis of Neurotoxic Potential of Synthesized, Native, and Physiological Nanoparticles. <i>Neuromethods</i> , 2018, , 203-227.	0.2	4
14	An amperometric glutamate biosensor for monitoring glutamate release from brain nerve terminals and in blood plasma. <i>Analytica Chimica Acta</i> , 2018, 1022, 113-123.	2.6	32
15	Levetiracetam-mediated improvement of decreased NMDA-induced glutamate release from nerve terminals during hypothermia. <i>Brain Research</i> , 2018, 1699, 69-78.	1.1	11
16	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.	2.7	18
17	Effects of surface functionalization of hydrophilic NaYF_4 nanocrystals doped with Eu^{3+} on glutamate and GABA transport in brain synaptosomes. <i>Journal of Nanoparticle Research</i> , 2017, 19, 275.	0.8	8
18	Enrichment of Inorganic Martian Dust Simulant with Carbon Component can Provoke Neurotoxicity. <i>Microgravity Science and Technology</i> , 2017, 29, 133-144.	0.7	10

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19	Effect of O-methyl- β -cyclodextrin-modified magnetic nanoparticles on the uptake and extracellular level of l-glutamate in brain nerve terminals. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 149, 64-71.	2.5	16
20	Personalized approach in brain protection by hypothermia: individual changes in non-pathological and ischemia-related glutamate transport in brain nerve terminals. <i>EPMA Journal</i> , 2016, 7, 26.	3.3	13
21	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.	4.2	30
22	Dynamic Gradient of Glutamate Across the Membrane: Glutamate/Aspartate-Induced Changes in the Ambient Level of l-[^{14}C]glutamate and d-[^3H]aspartate in Rat Brain Nerve Terminals. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 1229-1240.	1.7	31