Lidia Struzynska

List of Publications by Year
in descending order

49 papers	1,495 citations	331670 21 h-index	330143 37 g-index
49 all docs	49 docs citations	49 times ranked	2151 citing authors

#	Article	IF	Citations
1	Inflammation-Like Glial Response in Lead-Exposed Immature Rat Brain. Toxicological Sciences, 2007, 95, 156-162.	3.1	99
2	Synaptic degeneration in rat brain after prolonged oral exposure to silver nanoparticles. NeuroToxicology, 2015, 46, 145-154.	3.0	88
3	Lead-induced abnormalities in blood-brain barrier permeability in experimental chronic toxicity. Molecular and Chemical Neuropathology, 1997, 31, 207-224.	1.0	73
4	Astroglial reaction during the early phase of acute lead toxicity in the adult rat brain. Toxicology, 2001, 165, 121-131.	4.2	71
5	Relationships between glutamine, glutamate, and GABA in nerve endings under Pb-toxicity conditions. Journal of Inorganic Biochemistry, 2004, 98, 951-958.	3.5	70
6	Prolonged inflammation leads to ongoing damage after spinal cord injury. PLoS ONE, 2020, 15, e0226584.	2.5	67
7	The role of the glutamatergic NMDA receptor in nanosilver-evoked neurotoxicity in primary cultures of cerebellar granule cells. Toxicology, 2014, 315, 38-48.	4.2	61
8	Perinatal exposure to lead (Pb) induces ultrastructural and molecular alterations in synapses of rat offspring. Toxicology, 2016, 373, 13-29.	4.2	60
9	Perinatal exposure to lead (Pb) promotes Tau phosphorylation in the rat brain in a GSK-3Î² and CDK5 dependent manner: Relevance to neurological disorders. Toxicology, 2016, 347-349, 17-28.	4.2	57
10	Oxidative stress in rat brain but not in liver following oral administration of a low dose of nanoparticulate silver. Food and Chemical Toxicology, 2016, 97, 307-315.	3.6	56
11	A glutamatergic component of lead toxicity in adult brain: The role of astrocytic glutamate transporters. Neurochemistry International, 2009, 55, 151-156.	3.8	52
12	Prolonged Exposure to Silver Nanoparticles Results in Oxidative Stress in Cerebral Myelin. Neurotoxicity Research, 2019, 35, 495-504.	2.7	46
13	Early P2X7R-related astrogliosis in autoimmune encephalomyelitis. Molecular and Cellular Neurosciences, 2016, 74, 1-9.	2.2	45
14	Mechanisms Underlying Neurotoxicity of Silver Nanoparticles. Advances in Experimental Medicine and Biology, 2018, 1048, 227-250.	1.6	44
15	Effects of antagonists of glutamate receptors on pro-inflammatory cytokines in the brain cortex of rats subjected to experimental autoimmune encephalomyelitis. Journal of Neuroimmunology, 2013, 261, 67-76.	2.3	43
16	Modulation of Glutamate Transport and Receptor Binding by Glutamate Receptor Antagonists in EAE Rat Brain. PLoS ONE, 2014, 9, e113954.	2.5	42
17	Toxic effects of silver nanoparticles in mammals â€“ does a risk of neurotoxicity exist?. Folia Neuropathologica, 2015, 4, 281-300.	1.2	40
18	A Low Dose of Nanoparticulate Silver Induces Mitochondrial Dysfunction and Autophagy in Adult Rat Brain. Neurotoxicity Research, 2020, 38, 650-664.	2.7	40

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19	The role of astroglia in Pb-exposed adult rat brain with respect to glutamate toxicity. Toxicology, 2005, 212, 185-194.	4.2	38
20	Influence of a low dose of silver nanoparticles on cerebral myelin and behavior of adult rats. Toxicology, 2016, 363-364, 29-36.	4.2	38
21	Temporal expression of P2X7 purinergic receptor during the course of experimental autoimmune encephalomyelitis. Neurochemistry International, 2010, 57, 823-829.	3.8	27
22	Ultrastructural and biochemical features of cerebral microvessels of adult rat subjected to a low dose of silver nanoparticles.. Toxicology, 2018, 408, 31-38.	4.2	25
23	Astroglial and Microglial Purinergic P2X7 Receptor as a Major Contributor to Neuroinflammation during the Course of Multiple Sclerosis. International Journal of Molecular Sciences, 2021, 22, 8404.	4.1	24
24	Zinc Modulates Nanosilver-Induced Toxicity in Primary Neuronal Cultures. Neurotoxicity Research, 2016, 29, 325-343.	2.7	22
25	Early P2X7R-dependent activation of microglia during the asymptomatic phase of autoimmune encephalomyelitis. Inflammopharmacology, 2019, 27, 129-137.	3.9	22
26	Administration of an antagonist of P2X7 receptor to EAE rats prevents a decrease of expression of claudin-5 in cerebral capillaries. Purinergic Signalling, 2018, 14, 385-393.	2.2	21
27	Changes in expression of neuronal and glial glutamate transporters in lead-exposed adult rat brain. Neurochemistry International, 2005, 47, 326-333.	3.8	20
28	Modulation of Neurological Deficits and Expression of Glutamate Receptors during Experimental Autoimmune Encephalomyelitis after Treatment with Selected Antagonists of Glutamate Receptors. BioMed Research International, 2013, 2013, 1-11.	1.9	18
29	Astroglial contribution to tau-dependent neurodegeneration. Biochemical Journal, 2019, 476, 3493-3504.	3.7	17
30	Regional changes in purines and selected purinergic receptors in immature rat brain exposed to lead. Toxicology, 2011, 279, 100-107.	4.2	16
31	Lead stimulates the glutathione system in selective regions of rat brain. Folia Neuropathologica, 2002, 40, 203-9.	1.2	16
32	Does lead provoke the peroxidation process in rat brain synaptosomes?. Molecular and Chemical Neuropathology, 1996, 29, 127-139.	1.0	13
33	Markers of oxidative stress in hepatopancreas of crayfish (orconectes limosus, raf) experimentally exposed to nanosilver. Environmental Toxicology, 2013, 29, n/a-n/a.	4.0	13
34	Astrocytic response in the rodent model of global cerebral ischemia and during reperfusion. Experimental and Toxicologic Pathology, 2002, 54, 31-38.	2.1	12
35	Alterations in glutamate transport and group I metabotropic glutamate receptors in the rat brain during acute phase of experimental autoimmune encephalomyelitis. , 2009, 47, 329-37.		12
36	Repeated exposure of adult rats to Aroclor 1254 induces neuronal injury and impairs the neurochemical manifestations of the NMDA receptor-mediated intracellular signaling in the hippocampus. NeuroToxicology, 2012, 33, 16-22.	3.0	11

#	Article	IF	Citations
37	Memantine Modulates Oxidative Stress in the Rat Brain following Experimental Autoimmune Encephalomyelitis. International Journal of Molecular Sciences, 2021, 22, 11330.	4.1	11
38	CNPase activity in myelin from adult rat brains after prolonged lead exposure in vivo. Chemico-Biological Interactions, 2004, 150, 171-178.	4.0	9
39	Aroclor 1254 selectively inhibits expression of glial GLT-1 glutamate transporter in the forebrain of chronically exposed adult rat. Toxicology, 2012, 300, 12-18.	4.2	9
40	Nanosystems and exosomes as future approaches in treating multiple sclerosis. European Journal of Neuroscience, 2021, 54, 7377-7404.	2.6	9
41	Dysfunctional glia: contributors to neurodegenerative disorders. Neural Regeneration Research, 2021, 16, 218.	3.0	8
42	Response of immature rats to a low dose of nanoparticulate silver: Alterations in behavior, cerebral vasculature-related transcriptome and permeability. Ecotoxicology and Environmental Safety, 2021, 208, 111416.	6.0	7
43	Early and Delayed Impact of Nanosilver on the Glutamatergic NMDA Receptor Complex in Immature Rat Brain. International Journal of Molecular Sciences, 2021, 22, 3067.	4.1	7
44	Early Postnatal Exposure to a Low Dose of Nanoparticulate Silver Induces Alterations in Glutamate Transporters in Brain of Immature Rats. International Journal of Molecular Sciences, 2020, 21, 8977.	4.1	6
45	The influence of glutamatergic receptor antagonists on biochemical and ultrastructural changes in myelin membranes of rats subjected to experimental autoimmune encephalomyelitis. Folia Neuropathologica, 2015, 4, 317-326.	1.2	4
46	Ultrastructural and Immunochemical Studies of Glial Scar Formation in Diabetic Rats. Acta Neurochirurgica Supplementum, 2010, 106, 251-255.	1.0	2
47	Blockade of the kinin B1 receptor affects the cytokine/chemokine profile in rat brain subjected to autoimmune encephalomyelitis. Inflammopharmacology, 2017, 25, 459-469.	3.9	2
48	Silver, Ag. , 2019, , 655-691.		1
49	Alterations in the transcriptional profile of genes related to glutamatergic signalling in animal models of Alzheimerâ€™s disease. The effect of fingolimod. Folia Neuropathologica, 2022, 60, 10-23.	1.2	1