Anatoly B Uzdensky

List of Publications by Year
in descending order

110	1,532	361296 20	377752 34
papers	citations	h-index	g-index

113	113	113	1288
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Expression of E2F1, p53, and Caspase 3 in the Rat Dorsal Root Ganglia After Sciatic Nerve Transection. Journal of Molecular Neuroscience, 2021, 71, 826-835.	1.1	13
2	HDAC1 Expression, Histone Deacetylation, and Protective Role of Sodium Valproate in the Rat Dorsal Root Ganglia After Sciatic Nerve Transection. Molecular Neurobiology, 2021, 58, 217-228.	1.9	6
3	Histone acetylation and deacetylation in ischemic stroke. Neural Regeneration Research, 2021, 16, 1529.	1.6	10
4	LIM kinase inhibitor T56-LIMKi protects mouse brain from photothrombotic stroke. Brain Injury, 2021, 35, 490-500.	0.6	2
5	The Role of p53-Dependent Signaling Pathways in Survival and Death of Neurons and Glial Cells after Peripheral Nerve Injury. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2021, 15, 334-347.	0.3	1
6	The Neuroprotective Effect of the HDAC2/3 Inhibitor MI192 on the Penumbra After Photothrombotic Stroke in the Mouse Brain. Molecular Neurobiology, 2020, 57, 239-248.	1.9	14
7	Expression of Histone Deacetylases HDAC1 and HDAC2 and Their Role in Apoptosis in the Penumbra Induced by Photothrombotic Stroke. Molecular Neurobiology, 2020, 57, 226-238.	1.9	21
8	The Localization of p53 in the Crayfish Mechanoreceptor Neurons and Its Role in Axotomy-Induced Death of Satellite Glial Cells Remote from the Axon Transection Site. Journal of Molecular Neuroscience, 2020, 70, 532-541.	1.1	10
9	The effect of axotomy on firing and ultrastructure of the crayfish mechanoreceptor neurons and satellite glial cells. Molecular and Cellular Neurosciences, 2020, 107, 103534.	1.0	4
10	Multifunctional Proteins. Biophysics (Russian Federation), 2020, 65, 390-403.	0.2	3
11	The Expression and Localization of Histone Acetyltransferases HAT1 and PCAF in Neurons and Astrocytes of the Photothrombotic Stroke-Induced Penumbra in the Rat Brain Cortex. Molecular Neurobiology, 2020, 57, 3219-3227.	1.9	7
12	Overexpression of HDAC6, but not HDAC3 and HDAC4 in the penumbra after photothrombotic stroke in the rat cerebral cortex and the neuroprotective effects of Î±-phenyl tropolone, HPOB, and sodium valproate. Brain Research Bulletin, 2020, 162, 151-165.	1.4	14
13	Regulation of apoptosis in the ischemic penumbra in the first day post-stroke. Neural Regeneration Research, 2020, 15, 253.	1.6	10
14	Apoptosis regulation in the penumbra after ischemic stroke: expression of pro- and antiapoptotic proteins. Apoptosis: an International Journal on Programmed Cell Death, 2019, 24, 687-702.	2.2	193
15	Ð¡Ð°2+- and NF-Î²B-dependent generation of NO in the photosensitized neurons and satellite glial cells. Journal of Photochemistry and Photobiology B: Biology, 2019, 199, 111603.	1.7	6
16	Epigenetic Alterations Induced by Photothrombotic Stroke in the Rat Cerebral Cortex: Deacetylation of Histone h3, Upregulation of Histone Deacetylases and Histone Acetyltransferases. International Journal of Molecular Sciences, 2019, 20, 2882.	1.8	14
17	Axotomy-Induced Changes of the Protein Profile in the Crayfish Ventral Cord Ganglia. Journal of Molecular Neuroscience, 2019, 68, 667-678.	1.1	9
18	Epigenetic Mechanisms of Ischemic Stroke. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2019, 13, 289-300.	0.3	2

#	Article	IF	Citations
19	Photothrombotic Stroke as a Model of Ischemic Stroke. Translational Stroke Research, 2018, 9, 437-451.	2.3	95
20	The Focal-Focal Preconditioning Effect of Photothrombotic Impact on the Signaling Protein Profile in the Penumbra Surrounding the Ischemic Core Induced by Another Photothrombotic Impact. Molecular Neurobiology, 2018, 55, 229-248.	1.9	4
21	Photo-Induced Oxidative Stress Impairs Mitochondrial Metabolism in Neurons and Astrocytes. Molecular Neurobiology, 2018, 55, 90-95.	1.9	8
22	Reactive Oxygen Species Produced by a Photodynamic Effect Induced Calcium Signal in Neurons and Astrocytes. Molecular Neurobiology, 2018, 55, 96-102.	1.9	17
23	Ca2+ mediates axotomy-induced necrosis and apoptosis of satellite glial cells remote from the transection site in the isolated crayfish mechanoreceptor. Molecular and Cellular Neurosciences, 2018, 88, 7-15.	1.0	9
24	The Involvement of Autophagy in the Response of Neurons and Glial Cells to Photodynamic Treatment. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2018, 12, 199-204.	0.3	0
25	Axotomy induces damage to glial cells remote from the transection site in the peripheral nervous system. Neural Regeneration Research, 2018, 13, 639.	1.6	4
26	Protein Profile and Morphological Alterations in Penumbra after Focal Photothrombotic Infarction in the Rat Cerebral Cortex. Molecular Neurobiology, 2017, 54, 4172-4188.	1.9	45
27	Involvement of MAPK, Akt/GSK-3Î² and AMPK/mTOR signaling pathways in protection of remote glial cells from axotomy-induced necrosis and apoptosis in the isolated crayfish stretch receptor. Molecular and Cellular Neurosciences, 2017, 83, 1-5.	1.0	10
28	Profiling of Signaling Proteins in Penumbra After Focal Photothrombotic Infarct in the Rat Brain Cortex. Molecular Neurobiology, 2017, 54, 6839-6856.	1.9	42
29	The biophysical aspects of photodynamic therapy. Biophysics (Russian Federation), 2016, 61, 461-469.	0.2	10
30	Soluble guanylyl cyclase is involved in PDT-induced injury of crayfish glial cells. Proceedings of SPIE, 2016, , .	0.8	0
31	Photodynamic therapy-induced nitric oxide production in neuronal and glial cells. Journal of Biomedical Optics, 2016, 21, 105005.	1.4	4
32	The paired neuroglial and interglial membranes in the crayfish stretch receptor and their local disorganization. Journal of Neuroscience Research, 2015, 93, 707-713.	1.3	6
33	The response of neurons and glial cells of crayfish to photodynamic treatment: Transcription factors and epigenetic regulation. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2015, 9, 329-336.	0.3	2
34	The method of isolation of the crayfish abdominal stretch receptor maintaining a connection of the sensory neuron to the ventral nerve cord ganglion. Invertebrate Neuroscience, 2015, 15, 176.	1.8	11
35	Expression of neuronal and signaling proteins in penumbra around a photothrombotic infarction core in rat cerebral cortex. Biochemistry (Moscow), 2015, 80, 790-799.	0.7	26
36	Protection of the Crayfish Mechanoreceptor Neuron and Glial Cells from Photooxidative Injury by Modulators of Diverse Signal Transduction Pathways. Molecular Neurobiology, 2015, 52, 811-825.	1.9	18

#	Article	IF	Citations
37	Radachlorin as a photosensitizer. , 2015, , .		1
38	Photodynamic injury of isolated crayfish neuron and surrounding glial cells: the role of p53. Proceedings of SPIE, 2015, , .	0.8	0
39	The role of NO synthase isoforms in PDT-induced injury of neurons and glial cells. , 2015, , .		0
40	The involvement of NF-ÎºB in PDT-induced death of crayfish glial and nerve cells. Proceedings of SPIE, 2015, , .	0.8	0
41	Photodynamic therapy: a review of applications in neurooncology and neuropathology. Journal of Biomedical Optics, 2015, 20, 061108.	1.4	13
42	On involvement of transcription factors nuclear factor kappa-light-chain-enhancer of activated B cells, activator protein-1 and signal transducer and activator of transcription-3 in photodynamic therapy-induced death of crayfish neurons and satellite glial cells. Journal of Biomedical Optics, 2015, 20, 075004.	1.4	1
43	PDT-induced epigenetic changes in the mouse cerebral cortex: A protein microarray study. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 262-270.	1.1	20
44	Responses of crayfish neurons and glial cells to photodynamic impact: Intracellular signaling, ultrastructural changes, and neuroglial interactions. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2014, 8, 1-15.	0.3	4
45	Expression of proteins involved in epigenetic regulation in human cutaneous melanoma and peritumoral skin. Tumor Biology, 2014, 35, 8225-8233.	0.8	18
46	Photodynamic effect of Radachlorin on nerve and glial cells. Photodiagnosis and Photodynamic Therapy, 2014, 11, 357-364.	1.3	8
47	Epigenetic regulation of death of crayfish glial cells but not neurons induced by photodynamic impact. Brain Research Bulletin, 2014, 102, 15-21.	1.4	7
48	Protection Effect of GDNF and Neurturin on Photosensitized Crayfish Neurons and Glial Cells. Journal of Molecular Neuroscience, 2013, 49, 480-490.	1.1	20
49	Involvement of nitric oxide in photodynamic injury of neurons and glial cells. Nitric Oxide - Biology and Chemistry, 2013, 29, 46-52.	1.2	14
50	Signal Transduction in Human Cutaneous Melanoma and Target Drugs. Current Cancer Drug Targets, 2013, 13, 843-866.	0.8	56
51	Dynamics of signaling, cytoskeleton and cell cycle regulation proteins in glioblastoma cells after sub-lethal photodynamic treatment: Antibody microarray study. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 795-803.	1.1	13
52	CHEMICAL MODULATION OF PHOTODYNAMIC INJURY OF GLIAL CELLS. Journal of Innovative Optical Health Sciences, 2011, 04, 429-435.	0.5	2
53	On the Role of Phosphatidylinositol 3-Kinase, Protein Kinase B/Akt, and Glycogen Synthase Kinase-3Î² in Photodynamic Injury of Crayfish Neurons and Glial Cells. Journal of Molecular Neuroscience, 2011, 45, 229-235.	1.1	21
54	Dynamics of ultrastructural alterations in photosensitized crayfish glial and neuronal cells: Structures involved in transport processes and neuroglial interactions. Journal of Neuroscience Research, 2011, 89, 341-351.	1.3	9

#	Article	IF	Citations
55	Involvement of the PI3K/Akt/GSK3Î² pathway in photodynamic injury of neurons and glial cells. Proceedings of SPIE, 2010, , .	0.8	0
56	Photodynamic damage of glial cells in crayfish ventral nerve cord. , 2010, , .		0
57	Controlled Necrosis. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2010, 4, 3-12.	0.3	5
58	Glutamate-mediated protection of crayfish glial cells from PDT-induced apoptosis. Proceedings of SPIE, 2010, , .	0.8	0
59	Elevated activity of the crayfish stretch receptor neuron increases resistance of surrounding glial cells to apoptosis induced by photodynamic treatment. Neuroscience Letters, 2010, 468, 89-92.	1.0	0
60	CELLULAR STRUCTURES INVOLVED IN THE TRANSPORT PROCESSES AND NEUROGLIAL INTERACTIONS IN THE CRAYFISH STRETCH RECEPTOR. Journal of Integrative Neuroscience, 2009, 08, 433-440.	0.8	6
61	Ultrastructure of neuroglial contacts in crayfish stretch receptor. Cell and Tissue Research, 2009, 337, 477-490.	1.5	25
62	Protection of Crayfish Glial Cells but not Neurons from Photodynamic Injury by Nerve Growth Factor. Journal of Molecular Neuroscience, 2009, 39, 308-319.	1.1	22
63	Neuron and gliocyte death induced by photodynamic treatment: Signal processes and neuron-glial interactions. Neuroscience and Behavioral Physiology, 2008, 38, 727-735.	0.2	10
64	Dynamics of ultrastructural changes in the isolated crayfish mechanoreceptor neuron under photodynamic impact. Journal of Neuroscience Research, 2008, 86, 1409-1416.	1.3	18
65	Signal Transduction and Photodynamic Therapy. Current Signal Transduction Therapy, 2008, 3, 55-74.	0.3	31
66	<title>The involvement of MAP kinases JNK and p38 in photodynamic injury of crayfish neurons and glial cells</title>. , 2007, , .		0
67	<title>The role of Ca<formula>^{<roman>2+</roman>}</formula>-related signaling in photodynamic injury of nerve and glial cells</title>. , 2007, , .		0
68	Involvement of Ca2+- and cyclic adenosine monophosphate-mediated signaling pathways in photodynamic injury of isolated crayfish neuron and satellite glial cells. Journal of Neuroscience Research, 2007, 85, 860-870.	1.3	28
69	Neurotrophin NGF protects glial cells, but not neurons, of stretch receptor of the crayfish Astacus astacus from photooxidative stress. Journal of Evolutionary Biochemistry and Physiology, 2007, 43, 533-535.	0.2	2
70	Crayfish mechanoreceptor neuron prevents photoinduced apoptosis of satellite glial cells. Brain Research Bulletin, 2006, 69, 495-500.	1.4	30
71	On hypericin application in fluorescence diagnosis and cancer treatment: Pharmacokinetics and photosensitizing efficiency in nude mice bearing WiDr carcinoma. Medical Laser Application: International Journal for Laser Treatment and Research, 2006, 21, 271-276.	0.4	10
72	Involvement of adenylate cyclase and tyrosine kinase signaling pathways in response of crayfish stretch receptor neuron and satellite glia cell to photodynamic treatment. Glia, 2005, 49, 339-348.	2.5	34

#	Article	IF	Citations
73	PDT-induced death of sensory neurons and glial cells in the isolated crayfish stretch receptor after proteolytic treatment. Journal of Neuroscience Research, 2005, 82, 866-874.	1.3	4
74	Photosensibilization with Endogenous Riboflavin of the Isolated Mechanoreceptor Neuron and Satellite Glial Cells of the Crayfish Astacus leptodactilus. Journal of Evolutionary Biochemistry and Physiology, 2005, 41, 325-332.	0.2	0
75	The effect of sub-lethal ALA-PDT on the cytoskeleton and adhesion of cultured human cancer cells. Biochimica Et Biophysica Acta - General Subjects, 2005, 1722, 43-50.	1.1	44
76	Photodynamic inhibition of enzymatic detachment of human cancer cells from a substratum. Biochimica Et Biophysica Acta - General Subjects, 2004, 1670, 1-11.	1.1	19
77	Photosensitization with protoporphyrin IX inhibits attachment of cancer cells to a substratum. Biochemical and Biophysical Research Communications, 2004, 322, 452-457.	1.0	29
78	Photodynamic effect of novel chlorin e6 derivatives on a single nerve cell. Life Sciences, 2004, 74, 2185-2197.	2.0	57
79	<title>On the role of adenylate cyclase, tyrosine kinase, and tyrosine phosphatase in the response of nerve and glial cells to photodynamic impact</title>. , 2004, 5474, 352.		0
80	Photodynamic effect of hypericin and a water-soluble derivative on isolated crayfish neuron and surrounding glial cells. Journal of Photochemistry and Photobiology B: Biology, 2003, 72, 27-33.	1.7	24
81	Photodynamic injury of isolated neuron and satellite glial cells: morphological study. IEEE Journal of Selected Topics in Quantum Electronics, 2003, 9, 337-342.	1.9	3
82	Photodynamic inactivation of isolated crayfish neuron requires protein kinase C, PI 3-kinase and Ca2+. Journal of Photochemistry and Photobiology B: Biology, 2003, 70, 99-105.	1.7	7
83	Photobleaching of Hypericin Bound to Human Serum Albumin, Cultured Adenocarcinoma Cells and Nude Mice SkinÂ¶. Photochemistry and Photobiology, 2002, 76, 320.	1.3	32
84	<title>Role of protein kinase C in the response of an isolated neuron to photodynamic therapy</title>. , 2002, 4707, 300.		0
85	Photodynamic Inactivation of Isolated Crayfish Mechanoreceptor Neuron: Different Death Modes Under Different Photosensitizer ConcentrationsÂ¶. Photochemistry and Photobiology, 2002, 76, 431-437.	1.3	30
86	Photobleaching of Hypericin Bound to Human Serum Albumin, Cultured Adenocarcinoma Cells and Nude Mice SkinÂ¶. Photochemistry and Photobiology, 2002, 76, 320-328.	1.3	6
87	Photodynamic inactivation of isolated crayfish mechanoreceptor neuron: different death modes under different photosensitizer concentrations. Photochemistry and Photobiology, 2002, 76, 431-7.	1.3	12
88	Photodynamic Effect of Deuteroporphyrin IX and Hematoporphyrin Derivatives on Single Neuron. Biochemical and Biophysical Research Communications, 2001, 281, 1194-1199.	1.0	12
89	PDT effect of different photo sensitizers on a single nerve cell: electrophysiological and pharmacological study. IEEE Journal of Selected Topics in Quantum Electronics, 2001, 7, 989-995.	1.9	2
90	Helium-neon laser radiation effect on some teratogenic processes in fish embryos. , 2001, , .		2

#	Article	IF	Citations
91	Intracellular Localisation of Hypericin in Human Glioblastoma and Carcinoma Cell Lines. Lasers in Medical Science, 2001, 16, 276-283.	1.0	63
92	Comparative analysis of neuroprotective activity of new chemical agent Vp and piracetam. Bulletin of Experimental Biology and Medicine, 2000, 129, 362-364.	0.3	3
93	Firing Inhibition Processes in the Response Dynamics of Isolated Crayfish Nerve Cell to the Photodynamic Effect of Sulphonated Aluminium Phthalocyanine: Participation of Free Radicals and Ca 2+. Lasers in Medical Science, 2000, 15, 123-130.	1.0	20
94	A single neuron response to photodynamic effect of various aluminum and zinc phthalocyanines. Life Sciences, 2000, 68, 547-555.	2.0	12
95	A Cytologist's View of Resonance Mechanisms for Biologic Effects of ELF Magnetic Fields. Electromagnetic Biology and Medicine, 1999, 18, 67-78.	0.4	4
96	Photodynamic Inactivation of the Single Crayfish Nerve Cell: Dynamics of Electrophysiological Responses and Comparison of Photosensitisers. Lasers in Medical Science, 1999, 14, 185-195.	1.0	16
97	Photodynamic effect of different aluminum and zinc phthalocyanines on isolated nerve cell. , 1999, , .		1
98	<title>Photodynamic nerve cell killing: dynamics of electrophysiological responses and comparison of photosensitizers</title>. , 1997, 3191, 131.		1
99	Effect of Weak Extremely Low Frequency Magnetic Field on Isolated Crayfish Stretch Receptor Neuron: Nonlinear Dependence on Field Amplitude and Frequency. Electromagnetic Biology and Medicine, 1997, 16, 267-279.	0.4	4
100	Single neuron response to pulse-periodic laser microirradiation. Action spectra and two-photon effect. Journal of Photochemistry and Photobiology B: Biology, 1997, 39, 224-228.	1.7	22
101	Amiridine Delays Functional Degradation of Isolated Crayfish Neuron Occurring Spontaneously or Under Energy Metabolism Inhibition. , 1997, , 345-349.		0
102	Bioelectric changes in single neuron under photodynamic effect: comparison of different photosensitizers. IEEE Journal of Selected Topics in Quantum Electronics, 1996, 2, 984-987.	1.9	2
103	<title>Bioelectric response of single neuron to photodynamic action of chlorin e6</title>. , 1996, , .		1
104	<title>Single crayfish neuron as a new test-object for search and examination of PDT photosensitizers</title>. , 1996, , .		3
105	Effect of amiridine and tacrine on the functional degeneration of the isolated neuron. Bulletin of Experimental Biology and Medicine, 1996, 121, 48-50.	0.3	3
106	<title>Participation of some radical products in isolated nerve cell response to blue laser microirradiation</title>. , 1995, , .		1
107	<title>Simulation of isolated nerve cell response to laser micro-irradiation</title>. , 1995, 2370, 485.		0
108	<title>Helium-neon laser radiation effect on fish embryos and larvae</title>. , 1994, 2128, 614.		0

#	Article	IF	Citations
109	Laser microirradiation in the investigation of the integrative function of nerve cells. , 1994, 2083, 225.		1
110	Laser microirradiation of single nerve cell. , 1993, , .		13