# Anatoly B Uzdensky

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2559469/publications.pdf

Version: 2024-02-01

| 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 | 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 |
| 2 | Photothrombotic Stroke as a Model of Ischemic Stroke. Translational Stroke Research, 2018, 9, 437-451. | 2.3 | 95 |
| 3 | Intracellular Localisation of Hypericin in Human Glioblastoma and Carcinoma Cell Lines. Lasers in Medical Science, 2001, 16, 276-283. | 1.0 | 63 |
| 4 | Photodynamic effect of novel chlorin e6 derivatives on a single nerve cell. Life Sciences, 2004, 74, 2185-2197. | 2.0 | 57 |
| 5 | Signal Transduction in Human Cutaneous Melanoma and Target Drugs. Current Cancer Drug Targets, 2013, 13, 843-866. | 0.8 | 56 |
| 6 | 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 |
| 7 | 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 |
| 8 | Profiling of Signaling Proteins in Penumbra After Focal Photothrombotic Infarct in the Rat Brain Cortex. Molecular Neurobiology, 2017, 54, 6839-6856. | 1.9 | 42 |
| 9 | 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 |
| 10 | Photobleaching of Hypericin Bound to Human Serum Albumin, Cultured Adenocarcinoma Cells and Nude Mice SkinÂ¶. Photochemistry and Photobiology, 2002, 76, 320. | 1.3 | 32 |
| 11 | Signal Transduction and Photodynamic Therapy. Current Signal Transduction Therapy, 2008, 3, 55-74. | 0.3 | 31 |
| 12 | Photodynamic Inactivation of Isolated Crayfish Mechanoreceptor Neuron: Different Death Modes Under Different Photosensitizer ConcentrationsÂ¶. Photochemistry and Photobiology, 2002, 76, 431-437. | 1.3 | 30 |
| 13 | Crayfish mechanoreceptor neuron prevents photoinduced apoptosis of satellite glial cells. Brain Research Bulletin, 2006, 69, 495-500. | 1.4 | 30 |
| 14 | Photosensitization with protoporphyrin IX inhibits attachment of cancer cells to a substratum. Biochemical and Biophysical Research Communications, 2004, 322, 452-457. | 1.0 | 29 |
| 15 | 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 |
| 16 | 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 |
| 17 | Ultrastructure of neuroglial contacts in crayfish stretch receptor. Cell and Tissue Research, 2009, 337, 477-490. | 1.5 | 25 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | Protection Effect of GDNF and Neurturin on Photosensitized Crayfish Neurons and Glial Cells. Journal of Molecular Neuroscience, 2013, 49, 480-490. | 1.1 | 20 |
| 25 | 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 |
| 26 | 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 |
| 27 | Dynamics of ultrastructural changes in the isolated crayfish mechanoreceptor neuron under photodynamic impact. Journal of Neuroscience Research, 2008, 86, 1409-1416. | 1.3 | 18 |
| 28 | Expression of proteins involved in epigenetic regulation in human cutaneous melanoma and peritumoral skin. Tumor Biology, 2014, 35, 8225-8233. | 0.8 | 18 |
| 29 | 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 |
| 30 | Reactive Oxygen Species Produced by a Photodynamic Effect Induced Calcium Signal in Neurons and Astrocytes. Molecular Neurobiology, 2018, 55, 96-102. | 1.9 | 17 |
| 31 | 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 |
| 32 | Involvement of nitric oxide in photodynamic injury of neurons and glial cells. Nitric Oxide - Biology and Chemistry, 2013, 29, 46-52. | 1.2 | 14 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | Laser microirradiation of single nerve cell. , 1993, , . | | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | 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 |
| 38 | Photodynamic therapy: a review of applications in neurooncology and neuropathology. Journal of Biomedical Optics, 2015, 20, 061108. | 1.4 | 13 |
| 39 | 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 |
| 40 | A single neuron response to photodynamic effect of various aluminum and zinc phthalocyanines. Life Sciences, 2000, 68, 547-555. | 2.0 | 12 |
| 41 | Photodynamic Effect of Deuteroporphyrin IX and Hematoporphyrin Derivatives on Single Neuron. Biochemical and Biophysical Research Communications, 2001, 281, 1194-1199. | 1.0 | 12 |
| 42 | Photodynamic inactivation of isolated crayfish mechanoreceptor neuron: different death modes under different photosensitizer concentrations. Photochemistry and Photobiology, 2002, 76, 431-7. | 1.3 | 12 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | The biophysical aspects of photodynamic therapy. Biophysics (Russian Federation), 2016, 61, 461-469. | 0.2 | 10 |
| 47 | 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 |
| 48 | 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 |
| 49 | Histone acetylation and deacetylation in ischemic stroke. Neural Regeneration Research, 2021, 16, 1529. | 1.6 | 10 |
| 50 | Regulation of apoptosis in the ischemic penumbra in the first day post-stroke. Neural Regeneration Research, 2020, 15, 253. | 1.6 | 10 |
| 51 | 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 |
| 52 | 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 |
| 53 | Axotomy-Induced Changes of the Protein Profile in the Crayfish Ventral Cord Ganglia. Journal of Molecular Neuroscience, 2019, 68, 667-678. | 1.1 | 9 |
| 54 | Photodynamic effect of Radachlorin on nerve and glial cells. Photodiagnosis and Photodynamic Therapy, 2014, 11, 357-364. | 1.3 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Photo-Induced Oxidative Stress Impairs Mitochondrial Metabolism in Neurons and Astrocytes. Molecular Neurobiology, 2018, 55, 90-95. | 1.9 | 8 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | 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 |
| 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 | 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 |
| 62 | 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 |
| 63 | 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 |
| 64 | Controlled Necrosis. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2010, 4, 3-12. | 0.3 | 5 |
| 65 | 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 |
| 66 | 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 |
| 67 | 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 |
| 68 | 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 |
| 69 | Photodynamic therapy-induced nitric oxide production in neuronal and glial cells. Journal of Biomedical Optics, 2016, 21, 105005. | 1.4 | 4 |
| 70 | 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 |
| 71 | 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 |
| 72 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | <title>Single crayfish neuron as a new test-object for search and examination of PDT photosensitizers</title>. , 1996, , . | | 3 |
| 74 | 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 |
| 75 | 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 |
| 76 | 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 |
| 77 | Multifunctional Proteins. Biophysics (Russian Federation), 2020, 65, 390-403. | 0.2 | 3 |
| 78 | 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 |
| 79 | 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 |
| 80 | Helium-neon laser radiation effect on some teratogenic processes in fish embryos. , 2001, , . | | 2 |
| 81 | 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 |
| 82 | CHEMICAL MODULATION OF PHOTODYNAMIC INJURY OF GLIAL CELLS. Journal of Innovative Optical Health Sciences, 2011, 04, 429-435. | 0.5 | 2 |
| 83 | 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 |
| 84 | Epigenetic Mechanisms of Ischemic Stroke. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2019, 13, 289-300. | 0.3 | 2 |
| 85 | LIM kinase inhibitor T56-LIMKi protects mouse brain from photothrombotic stroke. Brain Injury, 2021, 35, 490-500. | 0.6 | 2 |
| 86 | Laser microirradiation in the investigation of the integrative function of nerve cells. , 1994, 2083, 225. | | 1 |
| 87 | <title>Participation of some radical products in isolated nerve cell response to blue laser microirradiation</title>. , 1995, , . | | 1 |
| 88 | <title>Bioelectric response of single neuron to photodynamic action of chlorin e6</title>. , 1996, , . | | 1 |
| 89 | <title>Photodynamic nerve cell killing: dynamics of electrophysiological responses and comparison of photosensitizers</title>. , 1997, 3191, 131. | | 1 |
| 90 | Photodynamic effect of different aluminum and zinc phthalocyanines on isolated nerve cell. , 1999, , . | | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Radachlorin as a photosensitizer. , 2015, , . | | 1 |
| 92 | 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 |
| 93 | 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 |
| 94 | <title>Helium-neon laser radiation effect on fish embryos and larvae</title>. , 1994, 2128, 614. | | 0 |
| 95 | <title>Simulation of isolated nerve cell response to laser micro-irradiation</title>. , 1995, 2370, 485. | | 0 |
| 96 | <title>Role of protein kinase C in the response of an isolated neuron to photodynamic therapy</title>. , 2002, 4707, 300. | | 0 |
| 97 | <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 |
| 98 | 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 |
| 99 | <title>The involvement of MAP kinases JNK and p38 in photodynamic injury of crayfish neurons and glial cells</title>. , 2007, , . | | 0 |
| 100 | <title>The role of Ca<formula><sup><roman>2+</roman></sup></formula>-related signaling in photodynamic injury of nerve and glial cells</title>. , 2007, , . | | 0 |
| 101 | Involvement of the PI3K/Akt/GSK3Î² pathway in photodynamic injury of neurons and glial cells. Proceedings of SPIE, 2010, , . | 0.8 | 0 |
| 102 | Photodynamic damage of glial cells in crayfish ventral nerve cord. , 2010, , . | | 0 |
| 103 | Glutamate-mediated protection of crayfish glial cells from PDT-induced apoptosis. Proceedings of SPIE, 2010, , . | 0.8 | 0 |
| 104 | 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 |
| 105 | Photodynamic injury of isolated crayfish neuron and surrounding glial cells: the role of p53. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 106 | The role of NO synthase isoforms in PDT-induced injury of neurons and glial cells. , 2015, , . | | 0 |
| 107 | The involvement of NF-ÎºB in PDT-induced death of crayfish glial and nerve cells. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 108 | Soluble guanylyl cyclase is involved in PDT-induced injury of crayfish glial cells. Proceedings of SPIE, 2016, , . | 0.8 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | 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 |
| 110 | Amiridine Delays Functional Degradation of Isolated Crayfish Neuron Occurring Spontaneously or Under Energy Metabolism Inhibition. , 1997, , 345-349. | | 0 |