

Elena Shevtsova

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

975
citations

430442

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h-index

500791

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63
all docs

63
docs citations

63
times ranked

1223
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#	ARTICLE	IF	CITATIONS
1	Novel substituted 5-methyl-4-acylaminoisoxazoles as antimitotic agents: Evaluation of selectivity to LNCaP cancer cells. <i>Archiv Der Pharmazie</i> , 2022, 355, e2100425.	2.1	6
2	Mitochondria as a promising target for developing novel agents for treating Alzheimer's disease. <i>Medicinal Research Reviews</i> , 2021, 41, 803-827.	5.0	24
3	Conjugation of Aminoadamantane and \hat{I}^3 -Carboline Pharmacophores Gives Rise to Unexpected Properties of Multifunctional Ligands. <i>Molecules</i> , 2021, 26, 5527.	1.7	14
4	Ru(III) Complexes with Lonidamine-Modified Ligands. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13468.	1.8	11
5	Triple-mutual prodrug based on 2-methoxyestradiol: synthesis and biotesting in vitro. <i>Russian Chemical Bulletin</i> , 2020, 69, 558-562.	0.4	8
6	Fluorinated \hat{I}^3 -carbolines as agents for delaying cognitive and motor dysfunctions in a transgenic model of neurodegenerative disorders. <i>Russian Chemical Bulletin</i> , 2020, 69, 781-786.	0.4	2
7	Bis- \hat{I}^3 -carbolines as new potential multitarget agents for Alzheimer's disease. <i>Pure and Applied Chemistry</i> , 2020, 92, 1057-1080.	0.9	6
8	Pharmacological Sequestration of Mitochondrial Calcium Uptake Protects Neurons Against Glutamate Excitotoxicity. <i>Molecular Neurobiology</i> , 2019, 56, 2244-2255.	1.9	48
9	Wave-Like Dose-Dependence of the Stimulating Effects of Dimebon on Cognition in a Wide Dose Range. <i>Bulletin of Experimental Biology and Medicine</i> , 2019, 167, 740-743.	0.3	2
10	Overview of novel multifunctional agents based on conjugates of \hat{I}^3 -carbolines, carbazoles, tetrahydrocarbazoles, phenothiazines, and aminoadamantanes for treatment of Alzheimer's disease. <i>Chemico-Biological Interactions</i> , 2019, 308, 224-234.	1.7	36
11	Anticholinesterase and Antioxidant Activity of New Binary Conjugates of \hat{I}^3 -Carbolines. <i>Doklady Biochemistry and Biophysics</i> , 2019, 484, 1-5.	0.3	5
12	Conjugates of methylene blue with \hat{I}^3 -carboline derivatives as new multifunctional agents for the treatment of neurodegenerative diseases. <i>Scientific Reports</i> , 2019, 9, 4873.	1.6	25
13	New Therapeutic Property of Dimebon as a Neuroprotective Agent. <i>Current Medicinal Chemistry</i> , 2019, 25, 5315-5326.	1.2	12
14	Pro-neurogenic, Memory-Enhancing and Anti-stress Effects of DF302, a Novel Fluorine Gamma-Carboline Derivative with Multi-target Mechanism of Action. <i>Molecular Neurobiology</i> , 2018, 55, 335-349.	1.9	22
15	Antioxidant Properties of a Pharmaceutical Substance Hypocard, a Potential Drug for Ischemic Disease. <i>Bulletin of Experimental Biology and Medicine</i> , 2018, 166, 46-49.	0.3	6
16	Aminoadamantane conjugates with carbazole derivatives as potential multitarget agents for the treatment of Alzheimer's disease. Effect of the spacer structure. <i>Russian Chemical Bulletin</i> , 2018, 67, 2121-2126.	0.4	12
17	Novel diphenylsulfimide antioxidants containing 2,6-di-tert-butylphenol moieties. <i>Russian Chemical Bulletin</i> , 2018, 67, 2025-2034.	0.4	9
18	Synthesis and biological activity of 5-vinyl- and 5-allyl-2,3,4,5-tetrahydro-1H-pyrido[4,3-b]indoles. <i>Russian Chemical Bulletin</i> , 2018, 67, 2103-2107.	0.4	1

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19	Influence of Al ³⁺ , Fe ³⁺ and Zn ²⁺ Ions on Phosphorylation of Tubulin and Microtubulo-Associated Proteins of Rat Brain. <i>Bulletin of Experimental Biology and Medicine</i> , 2018, 165, 512-515.	0.3	3
20	Chemosensitizing Activity of Histone Deacetylases Inhibitory Cyclic Hydroxamic Acids for Combination Chemotherapy of Lymphatic Leukemia. <i>Current Cancer Drug Targets</i> , 2018, 18, 365-371.	0.8	6
21	Focused design of polypharmacophoric neuroprotective compounds: Conjugates of $\hat{\text{I}}^3$ -carbolines with carbazole derivatives and tetrahydrocarbazole. <i>Pure and Applied Chemistry</i> , 2017, 89, 1167-1184.	0.9	24
22	Thiamine and benfotiamine prevent stress-induced suppression of hippocampal neurogenesis in mice exposed to predation without affecting brain thiamine diphosphate levels. <i>Molecular and Cellular Neurosciences</i> , 2017, 82, 126-136.	1.0	43
23	Redox-active metal complexes with 2,2- $\hat{\text{e}}^2$ -dipicolylamine containing ferrocenyl moiety: Synthesis, electrochemical behavior and biological activity. <i>Journal of Organometallic Chemistry</i> , 2017, 839, 60-70.	0.8	11
24	Novel conjugates of aminoadamantanes with carbazole derivatives as potential multitarget agents for AD treatment. <i>Scientific Reports</i> , 2017, 7, 45627.	1.6	54
25	Targeted synthesis and biological activity of polypharmacophoric agents for the treatment of neurodegenerative diseases. <i>Russian Chemical Bulletin</i> , 2017, 66, 1821-1831.	0.4	19
26	Autism-Like Behaviours and Memory Deficits Result from a Western Diet in Mice. <i>Neural Plasticity</i> , 2017, 2017, 1-14.	1.0	27
27	Securinine Derivatives as Potential Anti-amyloid Therapeutic Approach. <i>CNS and Neurological Disorders - Drug Targets</i> , 2017, 16, 351-355.	0.8	13
28	Mitochondrial Permeability Transition Pore as a Suitable Target for Neuroprotective Agents Against Alzheimer's Disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2017, 16, 677-685.	0.8	18
29	Neuroprotective effects of the securinine-analogues: identification of Allomargaritarine as a lead compound. <i>CNS and Neurological Disorders - Drug Targets</i> , 2016, 15, 102-107.	0.8	18
30	Individual Differences in Behavioural Despair Predict Brain GSK-3beta Expression in Mice: The Power of a Modified Swim Test. <i>Neural Plasticity</i> , 2016, 2016, 1-17.	1.0	19
31	Molecular construction of multitarget neuroprotectors 4.* Synthesis and biological activity of conjugates of carbazoles and tetrahydrocarbazoles. <i>Russian Chemical Bulletin</i> , 2016, 65, 2306-2311.	0.4	7
32	Molecular design of multitarget neuroprotectors 3. Synthesis and bioactivity of tetrahydrocarbazole- $\hat{\text{e}}^3$ -aminoadamantane conjugates. <i>Russian Chemical Bulletin</i> , 2016, 65, 1354-1359.	0.4	18
33	Biological Activity of Spirocyclic Hydroxamic Acids. <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 162, 228-230.	0.3	2
34	Molecular design of multitarget neuroprotectors 2. Synthesis and bioactivity of carbazole- $\hat{\text{I}}^3$ -carboline conjugates. <i>Russian Chemical Bulletin</i> , 2016, 65, 1346-1353.	0.4	14
35	Effect of Aluminum, Iron, and Zinc Ions on the Assembly of Microtubules from Brain Microtubule Proteins. <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 161, 451-455.	0.3	11
36	Toxicity of nanosilver in intragastric studies: Biodistribution and metabolic effects. <i>Toxicology Letters</i> , 2016, 241, 184-192.	0.4	38

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37	N,Nâ€™-Substituted Selenoureas as Polyfunctional Antioxidants. Bulletin of Experimental Biology and Medicine, 2016, 160, 340-342.	0.3	4
38	Synthesis and biological evaluation of novel 5-hydroxylaminoisoxazole derivatives as lipoxygenase inhibitors and metabolism enhancing agents. Bioorganic and Medicinal Chemistry, 2016, 24, 712-720.	1.4	19
39	Size-Dependent Differences in Biodistribution of Titanium Dioxide Nanoparticles After Sub-Acute Intra-gastric Administrations to Rats. Current Nanoscience, 2016, 12, 228-236.	0.7	11
40	Novel ferrocene-based inhibitor of proteins glycation. Russian Chemical Bulletin, 2015, 64, 2195-2202.	0.4	6
41	Tumor necrosis factor-alpha is a potential target for the neuroprotector Dimebon. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2015, 9, 189-198.	0.2	1
42	Novel Sites of Neuroprotective Action of Dimebon (Latrepidine). Molecular Neurobiology, 2015, 52, 970-978.	1.9	30
43	Effects of Anti-Alzheimer Drugs on Phosphorylation and Assembly of Microtubules from Brain Microtubular Proteins. Bulletin of Experimental Biology and Medicine, 2014, 156, 768-772.	0.3	8
44	Synthesis and Antioxidant Activity of Securinine Derivatives. Pharmaceutical Chemistry Journal, 2014, 48, 15-17.	0.3	15
45	Synthesis and biological activity of <i>N</i>-substituted-tetrahydro-Î³-carbolines containing peptide residues. Beilstein Journal of Organic Chemistry, 2014, 10, 155-162.	1.3	15
46	Dimebon Attenuates the Aβ-Induced Mitochondrial Permeabilization. Current Alzheimer Research, 2014, 11, 422-429.	0.7	38
47	Novel bicyclic derivatives of 1,3-selenazine. Russian Chemical Bulletin, 2013, 62, 142-146.	0.4	9
48	Modification of gamma-carbolines with N-substituted propionamides as a new approach to mitoprotective agents. Russian Chemical Bulletin, 2013, 62, 816-819.	0.4	6
49	Metal complexes with functionalised 2,2-â€²-dipicolylamine ligand containing an antioxidant 2,6-di-tert-butylphenol moiety: synthesis and biological studies. Dalton Transactions, 2013, 42, 6817.	1.6	47
50	Synthesis and biological activity of isoalantolactone-â€™tryptamine conjugates. Russian Chemical Bulletin, 2012, 61, 409-415.	0.4	5
51	Mechanisms of antioxidant effect of natural sesquiterpene lactone and alkaloid derivatives. Bulletin of Experimental Biology and Medicine, 2012, 152, 720-722.	0.3	24
52	Oxidative Stress-Induced Mitochondrial Damage as a Hallmark for Drug Development in the Context of the Neurodegeneration, Cardiovascular, and Cerebrovascular Diseases. , 2011, , 2083-2126.		0
53	Potential Preventive Effects of Coenzyme Q and Creatine Supplementation on Brain Energy Metabolism in Rats Exposed to Chronic Cerebral Hypoperfusion. , 2011, , 2033-2048.		0
54	Investigation of the antioxidant characteristics of a new tryptamine derivative of securinine and its influence on seizure activity in the brain in experimental epilepsy. Neurochemical Journal, 2011, 5, 208-214.	0.2	8

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55	Ultrasensitive label-free photothermal imaging, spectral identification, and quantification of cytochrome <i>c</i> in mitochondria, live cells, and solutions. <i>Journal of Biophotonics</i> , 2010, 3, 791-806.	1.1	51
56	Antioxidative Activity of Ferrocenes Bearing 2,6-Di-Tert-Butylphenol Moieties. <i>Bioinorganic Chemistry and Applications</i> , 2010, 2010, 1-6.	1.8	21
57	The Three-Vessel Occlusion as a Model of Vascular Dementia – Oxidative Stress and Mitochondrial Failure as an Indicator of Brain Hypoperfusion. , 2009, , 2023-2032.		2
58	Synthesis and antioxidative activity of metalloporphyrins bearing 2,6-di-tert-butylphenol pendants. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 1348-1358.	1.5	32
59	Effect of tacrine, amiridine, akatinol memantine, and triazolam on phosphorylation, structure, and assembly of microtubules from brain microtubular proteins in Alzheimer diseases. <i>Bulletin of Experimental Biology and Medicine</i> , 2008, 145, 218-222.	0.3	8
60	Atherosclerotic Lesions and Mitochondrial DNA Deletions as a Primary Hallmark of the Brain Microcirculation – Implication in the Pathogenesis of Alzheimer’s Disease. , 2008, , 2127-2145.		0
61	Interaction of docosahexaenoic acid derivatives with mitochondria. <i>Doklady Biological Sciences</i> , 2007, 414, 187-189.	0.2	4
62	Disturbed assembly of human cerebral microtubules in Alzheimer’s disease. <i>Bulletin of Experimental Biology and Medicine</i> , 2006, 141, 265-268.	0.3	16