

# Elena Shevtsova

## List of Publications by Year in descending order

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62  
papers

975  
citations

430442

18  
h-index

500791

28  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1223  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel conjugates of aminoadamantanes with carbazole derivatives as potential multitarget agents for AD treatment. <i>Scientific Reports</i> , 2017, 7, 45627.	1.6	54
2	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
3	Pharmacological Sequestration of Mitochondrial Calcium Uptake Protects Neurons Against Glutamate Excitotoxicity. <i>Molecular Neurobiology</i> , 2019, 56, 2244-2255.	1.9	48
4	Metal complexes with functionalised 2,2'-dipicolylamine ligand containing an antioxidant 2,6-di-tert-butylphenol moiety: synthesis and biological studies. <i>Dalton Transactions</i> , 2013, 42, 6817.	1.6	47
5	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
6	Toxicity of nanosilver in intragastric studies: Biodistribution and metabolic effects. <i>Toxicology Letters</i> , 2016, 241, 184-192.	0.4	38
7	Dimebon Attenuates the A $\beta$ -Induced Mitochondrial Permeabilization. <i>Current Alzheimer Research</i> , 2014, 11, 422-429.	0.7	38
8	Overview of novel multifunctional agents based on conjugates of $\hat{\text{I}}^3$ -carbolines, carbazoles, tetrahydrocarbazoles, phenothiazines, and aminoadamantanes for treatment of Alzheimer's disease. <i>Chemico-Biological Interactions</i> , 2019, 308, 224-234.	1.7	36
9	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
10	Novel Sites of Neuroprotective Action of Dimebon (Latrepidine). <i>Molecular Neurobiology</i> , 2015, 52, 970-978.	1.9	30
11	Autism-Like Behaviours and Memory Deficits Result from a Western Diet in Mice. <i>Neural Plasticity</i> , 2017, 2017, 1-14.	1.0	27
12	Conjugates of methylene blue with $\hat{\text{I}}^3$ -carboline derivatives as new multifunctional agents for the treatment of neurodegenerative diseases. <i>Scientific Reports</i> , 2019, 9, 4873.	1.6	25
13	Mechanisms of antioxidant effect of natural sesquiterpene lactone and alkaloid derivatives. <i>Bulletin of Experimental Biology and Medicine</i> , 2012, 152, 720-722.	0.3	24
14	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
15	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
16	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
17	Antioxidative Activity of Ferrocenes Bearing 2,6-Di-Tert-Butylphenol Moieties. <i>Bioinorganic Chemistry and Applications</i> , 2010, 2010, 1-6.	1.8	21
18	Individual Differences in Behavioural Despair Predict Brain GSK-3 $\beta$ Expression in Mice: The Power of a Modified Swim Test. <i>Neural Plasticity</i> , 2016, 2016, 1-17.	1.0	19

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19	Synthesis and biological evaluation of novel 5-hydroxylaminoisoxazole derivatives as lipoxygenase inhibitors and metabolism enhancing agents. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 712-720.	1.4	19
20	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
21	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
22	Molecular design of multitarget neuroprotectors 3. Synthesis and bioactivity of tetrahydrocarbazole- $\beta$ -aminoadamantane conjugates. <i>Russian Chemical Bulletin</i> , 2016, 65, 1354-1359.	0.4	18
23	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
24	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
25	Synthesis and Antioxidant Activity of Securinine Derivatives. <i>Pharmaceutical Chemistry Journal</i> , 2014, 48, 15-17.	0.3	15
26	Synthesis and biological activity of <i>N</i> -substituted-tetrahydro- $\beta$ -carbolines containing peptide residues. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 155-162.	1.3	15
27	Molecular design of multitarget neuroprotectors 2. Synthesis and bioactivity of carbazole- $\beta$ -carboline conjugates. <i>Russian Chemical Bulletin</i> , 2016, 65, 1346-1353.	0.4	14
28	Conjugation of Aminoadamantane and $\beta$ -Carboline Pharmacophores Gives Rise to Unexpected Properties of Multifunctional Ligands. <i>Molecules</i> , 2021, 26, 5527.	1.7	14
29	Securinine Derivatives as Potential Anti-amyloid Therapeutic Approach. <i>CNS and Neurological Disorders - Drug Targets</i> , 2017, 16, 351-355.	0.8	13
30	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
31	New Therapeutic Property of Dimebon as a Neuroprotective Agent. <i>Current Medicinal Chemistry</i> , 2019, 25, 5315-5326.	1.2	12
32	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
33	Redox-active metal complexes with 2,2'-dipicolylamine containing ferrocenyl moiety: Synthesis, electrochemical behavior and biological activity. <i>Journal of Organometallic Chemistry</i> , 2017, 839, 60-70.	0.8	11
34	Size-Dependent Differences in Biodistribution of Titanium Dioxide Nanoparticles After Sub-Acute Intragastric Administrations to Rats. <i>Current Nanoscience</i> , 2016, 12, 228-236.	0.7	11
35	Ru(III) Complexes with Lonidamine-Modified Ligands. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13468.	1.8	11
36	Novel bicyclic derivatives of 1,3-selenazine. <i>Russian Chemical Bulletin</i> , 2013, 62, 142-146.	0.4	9

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37	Novel diphenylsulfimide antioxidants containing 2,6-di-tert-butylphenol moieties. Russian Chemical Bulletin, 2018, 67, 2025-2034.	0.4	9
38	Effect of tacrine, amiridine, akatinol memantine, and triazolam on phosphorylation, structure, and assembly of microtubules from brain microtubular proteins in Alzheimer diseases. Bulletin of Experimental Biology and Medicine, 2008, 145, 218-222.	0.3	8
39	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
40	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
41	“Triple”-mutual prodrug based on 2-methoxyestradiol: synthesis and biotesting in vitro. Russian Chemical Bulletin, 2020, 69, 558-562.	0.4	8
42	Molecular construction of multitarget neuroprotectors 4.* Synthesis and biological activity of conjugates of carbazoles and tetrahydrocarbazoles. Russian Chemical Bulletin, 2016, 65, 2306-2311.	0.4	7
43	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
44	Novel ferrocene-based inhibitor of proteins glycation. Russian Chemical Bulletin, 2015, 64, 2195-2202.	0.4	6
45	Antioxidant Properties of a Pharmaceutical Substance Hypocard, a Potential Drug for Ischemic Disease. Bulletin of Experimental Biology and Medicine, 2018, 166, 46-49.	0.3	6
46	Bis- $\beta^3$ -carbolines as new potential multitarget agents for Alzheimer’s disease. Pure and Applied Chemistry, 2020, 92, 1057-1080.	0.9	6
47	Chemosensitizing Activity of Histone Deacetylases Inhibitory Cyclic Hydroxamic Acids for Combination Chemotherapy of Lymphatic Leukemia. Current Cancer Drug Targets, 2018, 18, 365-371.	0.8	6
48	Novel substituted 5-methyl-4-cacylaminoisoxazoles as antimitotic agents: Evaluation of selectivity to LNCaP cancer cells. Archiv Der Pharmazie, 2022, 355, e2100425.	2.1	6
49	Synthesis and biological activity of isoalantolactone-tryptamine conjugates. Russian Chemical Bulletin, 2012, 61, 409-415.	0.4	5
50	Anticholinesterase and Antioxidant Activity of New Binary Conjugates of $\beta^3$ -Carbolines. Doklady Biochemistry and Biophysics, 2019, 484, 1-5.	0.3	5
51	Interaction of docosahexaenoic acid derivatives with mitochondria. Doklady Biological Sciences, 2007, 414, 187-189.	0.2	4
52	N,N-Substituted Selenoureas as Polyfunctional Antioxidants. Bulletin of Experimental Biology and Medicine, 2016, 160, 340-342.	0.3	4
53	Influence of $Al^{3+}$ , $Fe^{3+}$ and $Zn^{2+}$ Ions on Phosphorylation of Tubulin and Microtubulo-Associated Proteins of Rat Brain. Bulletin of Experimental Biology and Medicine, 2018, 165, 512-515.	0.3	3
54	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

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55	Biological Activity of Spirocyclic Hydroxamic Acids. Bulletin of Experimental Biology and Medicine, 2016, 162, 228-230.	0.3	2
56	Wave-Like Dose-Dependence of the Stimulating Effects of Dimebon on Cognition in a Wide Dose Range. Bulletin of Experimental Biology and Medicine, 2019, 167, 740-743.	0.3	2
57	Fluorinated $\beta$ -carbolines as agents for delaying cognitive and motor dysfunctions in a transgenic model of neurodegenerative disorders. Russian Chemical Bulletin, 2020, 69, 781-786.	0.4	2
58	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
59	Synthesis and biological activity of 5-vinyl- and 5-allyl-2,3,4,5-tetrahydro-1H-pyrido[4,3-b]indoles. Russian Chemical Bulletin, 2018, 67, 2103-2107.	0.4	1
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	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
62	Potential Preventive Effects of Coenzyme Q and Creatine Supplementation on Brain Energy Metabolism in Rats Exposed to Chronic Cerebral Hypoperfusion. , 2011, , 2033-2048.		0