Sergey O Bachurin

List of Publications by Year
in descending order

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37	1,800	304368	315357
papers	citations	22 h-index	38 g-index

39	39	39	2191
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of dimebon on cognition, activities of daily living, behaviour, and global function in patients with mild-to-moderate Alzheimer's disease: a randomised, double-blind, placebo-controlled study. Lancet, The, 2008, 372, 207-215.	6.3	440
2	Drugs in Clinical Trials for Alzheimer's Disease: The Major Trends. Medicinal Research Reviews, 2017, 37, 1186-1225.	5.0	248
3	Methylene blue and dimebon inhibit aggregation of TDPâ€43 in cellular models. FEBS Letters, 2009, 583, 2419-2424.	1.3	102
4	Conjugates of Î³-Carbolines and Phenothiazine as new selective inhibitors of butyrylcholinesterase and blockers of NMDA receptors for Alzheimer Disease. Scientific Reports, 2015, 5, 13164.	1.6	76
5	Esterase profiles of organophosphorus compounds inÂvitro predict their behavior inÂvivo. Chemico-Biological Interactions, 2016, 259, 332-342.	1.7	58
6	Synthesis, molecular docking and biological evaluation of N,N-disubstituted 2-aminothiazolines as a new class of butyrylcholinesterase and carboxylesterase inhibitors. Bioorganic and Medicinal Chemistry, 2016, 24, 1050-1062.	1.4	57
7	Mild cognitive impairment due to Alzheimer disease: Contemporary approaches to diagnostics and pharmacological intervention. Pharmacological Research, 2018, 129, 216-226.	3.1	56
8	Novel conjugates of aminoadamantanes with carbazole derivatives as potential multitarget agents for AD treatment. Scientific Reports, 2017, 7, 45627.	1.6	54
9	Chronic Administration of Dimebon Ameliorates Pathology in TauP301S Transgenic Mice. Journal of Alzheimer's Disease, 2013, 33, 1041-1049.	1.2	48
10	Pharmacological Sequestration of Mitochondrial Calcium Uptake Protects Neurons Against Glutamate Excitotoxicity. Molecular Neurobiology, 2019, 56, 2244-2255.	1.9	48
11	Novel 1,2,4-Thiadiazole Derivatives as Potent Neuroprotectors: Approach to Creation of Bioavailable Drugs. Molecular Pharmaceutics, 2012, 9, 2156-2167.	2.3	47
12	Conjugates of tacrine and 1,2,4-thiadiazole derivatives as new potential multifunctional agents for Alzheimerâ€™s disease treatment: Synthesis, quantum-chemical characterization, molecular docking, and biological evaluation. Bioorganic Chemistry, 2020, 94, 103387.	2.0	44
13	Dimebon Slows Progression of Proteinopathy in Î³-Synuclein Transgenic Mice. Neurotoxicity Research, 2012, 22, 33-42.	1.3	43
14	Dimebon Attenuates the Aβ-Induced Mitochondrial Permeabilization. Current Alzheimer Research, 2014, 11, 422-429.	0.7	38
15	Overview of novel multifunctional agents based on conjugates of Î³-carbolines, carbazoles, tetrahydrocarbazoles, phenothiazines, and aminoadamantanes for treatment of Alzheimer's disease. Chemico-Biological Interactions, 2019, 308, 224-234.	1.7	36
16	Neuroprotective and Cognitionâ€Enhancing Properties of MKâ€801 Flexible Analogs. Annals of the New York Academy of Sciences, 2001, 939, 219-236.	1.8	34
17	Structural Basis for Understanding Structureâ”Activity Relationships for the Glutamate Binding Site of the NMDA Receptor. Journal of Medicinal Chemistry, 2002, 45, 3836-3843.	2.9	33
18	Novel Sites of Neuroprotective Action of Dimebon (Latrepirdine). Molecular Neurobiology, 2015, 52, 970-978.	1.9	30

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19	Neurodegenerative disordersâ€"Searching for targets and new ways of diseases treatment. Medicinal Research Reviews, 2021, 41, 2603-2605.	5.0	27
20	New Hybrids of 4-Amino-2,3-polymethylene-quinoline and p-Tolylsulfonamide as Dual Inhibitors of Acetyl- and Butyrylcholinesterase and Potential Multifunctional Agents for Alzheimerâ€™s Disease Treatment. Molecules, 2020, 25, 3915.	1.7	26
21	Conjugates of methylene blue with Î³-carboline derivatives as new multifunctional agents for the treatment of neurodegenerative diseases. Scientific Reports, 2019, 9, 4873.	1.6	25
22	Focused design of polypharmacophoric neuroprotective compounds: Conjugates of Î³-carbolines with carbazole derivatives and tetrahydrocarbazole. Pure and Applied Chemistry, 2017, 89, 1167-1184.	0.9	24
23	Mitochondria as a promising target for developing novel agents for treating Alzheimer's disease. Medicinal Research Reviews, 2021, 41, 803-827.	5.0	24
24	Pro-neurogenic, Memory-Enhancing and Anti-stress Effects of DF302, a Novel Fluorine Gamma-Carboline Derivative with Multi-target Mechanism of Action. Molecular Neurobiology, 2018, 55, 335-349.	1.9	22
25	Individual Differences in Behavioural Despair Predict Brain GSK-3beta Expression in Mice: The Power of a Modified Swim Test. Neural Plasticity, 2016, 2016, 1-17.	1.0	19
26	Mitochondrial Permeability Transition Pore as a Suitable Targ e t for Neuroprotective Agents Against Alzheimerâ€™s Disease. CNS and Neurological Disorders - Drug Targets, 2017, 16, 677-685.	0.8	18
27	Concomitant manipulation of murine NMDA- and AMPA-receptors to produce pro-cognitive drug effects in mice. European Neuropsychopharmacology, 2014, 24, 309-320.	0.3	17
28	Novel Positive Allosteric Modulators of AMPA Receptors Based on 3,7-Diazabicyclo[3.3.1]nonane Scaffold. Molecular Neurobiology, 2020, 57, 191-199.	1.9	17
29	Conjugation of Aminoadamantane and Î³-Carboline Pharmacophores Gives Rise to Unexpected Properties of Multifunctional Ligands. Molecules, 2021, 26, 5527.	1.7	14
30	Applications of Multi-Target Computer-Aided Methodologies in Molecular Design of CNS Drugs. Current Medicinal Chemistry, 2019, 25, 5293-5314.	1.2	14
31	In a search for efficient treatment for amyotrophic lateral sclerosis: Old drugs for new approaches. Medicinal Research Reviews, 2021, 41, 2804-2822.	5.0	13
32	New Therapeutic Property of Dimebon as a Neuroprotective Agent. Current Medicinal Chemistry, 2019, 25, 5315-5326.	1.2	12
33	Bis-Amiridines as Acetylcholinesterase and Butyrylcholinesterase Inhibitors: N-Functionalization Determines the Multitarget Anti-Alzheimerâ€™s Activity Profile. Molecules, 2022, 27, 1060.	1.7	10
34	Novel conjugates of 4-amino-2,3-polymethylenequinolines and vanillin as potential multitarget agents for AD treatment. Mendeleev Communications, 2021, 31, 606-608.	0.6	8
35	Physicochemical property profile for brain permeability: comparative study by different approaches. Journal of Drug Targeting, 2016, 24, 655-662.	2.1	7
36	Bis-Î³-carbolines as new potential multitarget agents for Alzheimerâ€™s disease. Pure and Applied Chemistry, 2020, 92, 1057-1080.	0.9	6

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37	A bioisostere of Dimebon/Latrepirdine delays the onset and slows the progression of pathology in FUS transgenic mice. CNS Neuroscience and Therapeutics, 2021, 27, 765-775.	1.9	4