Vendula Sepsova

List of Publications by Year
in descending order

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Version: 2024-02-01

56 papers	1,441 citations	393982 19 h-index	329751 37 g-index
56 all docs	56 docs citations	56 times ranked	1947 citing authors

#	Article	IF	Citations
1	Outcomes of Alzheimer's disease therapy with acetylcholinesterase inhibitors and memantine. Expert Opinion on Drug Safety, 2014, 13, 759-74.	1.0	209
2	Tacrineâ€“Trolox Hybrids: A Novel Class of Centrally Active, Nonhepatotoxic Multi-Target-Directed Ligands Exerting Anticholinesterase and Antioxidant Activities with Low In Vivo Toxicity. Journal of Medicinal Chemistry, 2015, 58, 8985-9003.	2.9	121
3	Tacrine-resveratrol fused hybrids as multi-target-directed ligands against Alzheimer's disease. European Journal of Medicinal Chemistry, 2017, 127, 250-262.	2.6	95
4	A Resurrection of 7-MEOTA: A Comparison with Tacrine. Current Alzheimer Research, 2013, 10, 893-906.	0.7	92
5	The Antioxidant Additive Approach for Alzheimerâ€™s Disease Therapy: New Ferulic (Lipoic) Acid Plus Melatonin Modified Tacrines as Cholinesterases Inhibitors, Direct Antioxidants, and Nuclear Factor (Erythroid-Derived 2)-Like 2 Activators. Journal of Medicinal Chemistry, 2016, 59, 9967-9973.	2.9	83
6	7-MEOTAâ€“donepezil like compounds as cholinesterase inhibitors: Synthesis, pharmacological evaluation, molecular modeling and QSAR studies. European Journal of Medicinal Chemistry, 2014, 82, 426-438.	2.6	80
7	Novel tacrine-tryptophan hybrids: Multi-target directed ligands as potential treatment for Alzheimer's disease. European Journal of Medicinal Chemistry, 2019, 168, 491-514.	2.6	75
8	Targeting copper(II)-induced oxidative stress and the acetylcholinesterase system in Alzheimer's disease using multifunctional tacrine-coumarin hybrid molecules. Journal of Inorganic Biochemistry, 2016, 161, 52-62.	1.5	63
9	Design, Synthesis, and Biological Evaluation of 1-Benzylamino-2-hydroxyalkyl Derivatives as New Potential Disease-Modifying Multifunctional Anti-Alzheimerâ€™s Agents. ACS Chemical Neuroscience, 2018, 9, 1074-1094.	1.7	47
10	Oximes: Inhibitors of Human Recombinant Acetylcholinesterase. A Structure-Activity Relationship (SAR) Study. International Journal of Molecular Sciences, 2013, 14, 16882-16900.	1.8	38
11	Multi-target-directed therapeutic potential of 7-methoxytacrine-adamantylamine heterodimers in the Alzheimer's disease treatment. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 607-619.	1.8	37
12	7-Methoxytacrine-p-Anisidine Hybrids as Novel Dual Binding Site Acetylcholinesterase Inhibitors for Alzheimerâ€™s Disease Treatment. Molecules, 2015, 20, 22084-22101.	1.7	35
13	Design, Synthesis and in vitro Evaluation of Indolotacrine Analogues as Multitargetâ€Directed Ligands for the Treatment of Alzheimer's Disease. ChemMedChem, 2016, 11, 1264-1269.	1.6	35
14	Novel Tacrine-Scutellarin Hybrids as Multipotent Anti-Alzheimerâ€™s Agents: Design, Synthesis and Biological Evaluation. Molecules, 2017, 22, 1006.	1.7	32
15	Development of 2-Methoxyhuprine as Novel Lead for Alzheimerâ€™s Disease Therapy. Molecules, 2017, 22, 1265.	1.7	26
16	Discovery of novel berberine derivatives with balanced cholinesterase and prolyl oligopeptidase inhibition profile. European Journal of Medicinal Chemistry, 2020, 203, 112593.	2.6	24
17	Exploring Structure-Activity Relationship in Tacrine-Squaramide Derivatives as Potent Cholinesterase Inhibitors. Biomolecules, 2019, 9, 379.	1.8	23
18	(Â±)-BIGI-3h: Pentatarget-Directed Ligand combining Cholinesterase, Monoamine Oxidase, and Glycogen Synthase Kinase 3Î² Inhibition with Calcium Channel Antagonism and Antiaggregating Properties for Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2021, 12, 1328-1342.	1.7	21

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19	Synthesis and biological assessment of KojoTacrines as new agents for Alzheimerâ€™s disease therapy. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 163-170.	2.5	19
20	In vitro and in silico Evaluation of Non-Quaternary Reactivators of AChE as Antidotes of Organophosphorus Poisoning - a New Hope or a Blind Alley?. Medicinal Chemistry, 2018, 14, 281-292.	0.7	19
21	Cholinergic properties ofÂnew 7-methoxytacrine-donepezil derivatives. General Physiology and Biophysics, 2015, 34, 189-200.	0.4	17
22	Combination of Memantine and 6-Chlorotacrine as Novel Multi-Target Compound against Alzheimerâ€™s Disease. Current Alzheimer Research, 2019, 16, 821-833.	0.7	17
23	Tacrine â€“ Benzothiazoles: Novel class of potential multitarget anti-AlzheimeÅ•s drugs dealing with cholinergic, amyloid and mitochondrial systems. Bioorganic Chemistry, 2021, 107, 104596.	2.0	17
24	Phenothiazine-Tacrine Heterodimers: Pursuing Multitarget Directed Approach in Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2021, 12, 1698-1715.	1.7	16
25	Synthesis, inÂvitro screening and molecular docking of isoquinolinium-5-carbaldoximes as acetylcholinesterase and butyrylcholinesterase reactivators. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 478-488.	2.5	15
26	Acetylcholinesterase Reactivators (HI-6, Obidoxime, Trimedoxime, K027, K075, K127, K203, K282): Structural Evaluation of Human Serum Albumin Binding and Absorption Kinetics. International Journal of Molecular Sciences, 2013, 14, 16076-16086.	1.8	12
27	7-phenoxytacrine is a dually acting drug with neuroprotective efficacy in vivo. Biochemical Pharmacology, 2021, 186, 114460.	2.0	12
28	A comparison of the reactivating and therapeutic efficacy of the newly developed bispyridinium oxime K203 with currently available oximes, in sarin poisoned rats and mice. Journal of Applied Biomedicine, 2011, 9, 225-230.	0.6	11
29	Cysteine-Targeted Insecticides against A. gambiae Acetylcholinesterase Are Neither Selective nor Reversible Inhibitors. ACS Medicinal Chemistry Letters, 2020, 11, 65-71.	1.3	11
30	A Comparison of the Reactivating and Therapeutic Efficacy of Two Newly Developed Oximes (K727 and) Tj ETQq0 0 0 rgBT /Overlock 10 Pharmacology and Toxicology, 2015, 116, 367-371.	1.2	10
31	Synthesis, Biological Assessment and Molecular Modeling of Racemic QuinoPyranoTacrines for Alzheimer's Disease Therapy. ChemistrySelect, 2018, 3, 461-466.	0.7	10
32	Encapsulation of oxime K027 into cucurbit[7]uril: In vivo evaluation of safety, absorption, brain distribution and reactivation effectiveness. Toxicology Letters, 2020, 320, 64-72.	0.4	10
33	The Benefit of Combinations of Oximes for the Reactivating and Therapeutic Efficacy of Antidotal Treatment of Sarin Poisoning in Rats and Mice. Basic and Clinical Pharmacology and Toxicology, 2011, 109, 30-34.	1.2	9
34	A Comparison of the Reactivating and Therapeutic Efficacy of Chosen Combinations of Oximes With Individual Oximes Against VX in Rats and Mice. International Journal of Toxicology, 2011, 30, 562-567.	0.6	8
35	The Evaluation of the Reactivating and Neuroprotective Efficacy of Two Newly Prepared Bispyridinium Oximes (K305, K307) in Tabun-Poisoned Ratsâ€”A Comparison with Trimedoxime and the Oxime K203. Molecules, 2017, 22, 1152.	1.7	8
36	The Evaluation of Prophylactic Efficacy of Newly Developed Reversible Inhibitors of Acetylcholinesterase in Somanâ€Poisoned Mice â€“ A Comparison with Commonly Used Pyridostigmine. Basic and Clinical Pharmacology and Toxicology, 2014, 115, 571-576.	1.2	7

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37	Development of versatile and potent monoquaternary reactivators of acetylcholinesterase. Archives of Toxicology, 2021, 95, 985-1001.	1.9	7
38	The evaluation of the reactivating and therapeutic efficacy of two novel oximes (K361 and K378) in comparison with the oxime K203 and trimedoxime in tabun-poisoned rats and mice. Toxicology Mechanisms and Methods, 2014, 24, 173-178.	1.3	6
39	Investigation of New Orexin 2 Receptor Modulators Using In Silico and In Vitro Methods. Molecules, 2018, 23, 2926.	1.7	6
40	Tacroximes: novel unique compounds for the recovery of organophosphorus-inhibited acetylcholinesterase. Future Medicinal Chemistry, 2019, 11, 2625-2634.	1.1	6
41	Tacrine and its 7-methoxy derivate; time-change concentration in plasma and brain tissue and basic toxicological profile in rats. Drug and Chemical Toxicology, 2021, 44, 207-214.	1.2	6
42	A comparison of the reactivating and therapeutic efficacy of two novel bispyridinium oximes (K727,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Methods, 2015, 25, 229-233.	1.3	5
43	Pharmacological and toxicological in vitro and in vivo effect of higher doses of oxime reactivators. Toxicology and Applied Pharmacology, 2019, 383, 114776.	1.3	5
44	Design and synthesis of novel tacrineâ€“indole hybrids as potential multitarget-directed ligands for the treatment of Alzheimer's disease. Future Medicinal Chemistry, 2021, 13, 785-804.	1.1	5
45	Huprine Y â€“ Tryptophan heterodimers with potential implication to Alzheimerâ€™s disease treatment. Bioorganic and Medicinal Chemistry Letters, 2021, 43, 128100.	1.0	5
46	N-alkylated Tacrine Derivatives as Potential Agents in Alzheimerâ€™s Disease Therapy. Current Alzheimer Research, 2019, 16, 333-343.	0.7	5
47	The evaluation of the reactivating and therapeutic efficacy of three novel bispyridinium oximes (K454,) Tj ETQq1 1 0.784314 rgBT /Ov Toxicology Mechanisms and Methods, 2013, 23, 94-98.	1.3	4
48	Development of small bisquaternary cholinesterase inhibitors as drugs for pre-treatment of nerve agent poisonings. Drug Design, Development and Therapy, 2018, Volume 12, 505-512.	2.0	4
49	A comparison of the reactivating efficacy of a novel bispyridinium oxime K203 with currently available oximes in VX agent-poisoned rats. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 753-757.	2.5	3
50	A comparison of the reactivating and therapeutic efficacy of two novel bispyridinium oximes (K305,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Biomedicine, 2017, 15, 49-53.	0.6	3
51	Pyridostigmine bromide and its relation to Gulf War illness. Toxin Reviews, 2020, 39, 138-146.	1.5	2
52	OXIMES AS INHIBITORS OF ACETYLHOLINESTERASE - A STRUCTURE-ACTIVITY RELATIONSHIP (SAR) STUDY. Military Medical Science Letters (Vojenske Zdravotnicke Listy), 2011, 80, 178-186.	0.2	2
53	A comparison of the reactivating and therapeutic efficacy of two novel oximes K378 and K458 with currently available oximes in rats and mice poisoned with sarin. Journal of Applied Biomedicine, 2014, 12, 155-160.	0.6	1
54	A comparison of the reactivating and therapeutic efficacy of two novel bispyridinium oximes (K920,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Biomedicine, 2015, 13, 299-304.	0.6	1

#	Article	IF	Citations
55	Toxicity, pharmacokinetics, and effectiveness of the ortho-chlorinated bispyridinium oxime, K870. Food and Chemical Toxicology, 2022, 167, 113236.	1.8	1
56	Interaction of 7-Methoxytacrine-Adamantylamine Cholinesterase Inhibitors with Nicotinic and Muscarinic Acetylcholine Receptors. Biophysical Journal, 2015, 108, 430a.	0.2	0