

Martina Hrabinova

List of Publications by Year in descending order

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72
papers

1,589
citations

304368

22
h-index

344852

36
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73
all docs

73
docs citations

73
times ranked

2001
citing authors

#	ARTICLE	IF	CITATIONS
1	2-Propargylamino-naphthoquinone derivatives as multipotent agents for the treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2021, 211, 113112.	2.6	19
2	Alkaloids of <i>Zephyranthes citrina</i> (Amaryllidaceae) and their implication to Alzheimer's disease: Isolation, structural elucidation and biological activity. <i>Bioorganic Chemistry</i> , 2021, 107, 104567.	2.0	20
3	Tacrine and its 7-methoxy derivate; time-change concentration in plasma and brain tissue and basic toxicological profile in rats. <i>Drug and Chemical Toxicology</i> , 2021, 44, 207-214.	1.2	6
4	Phenothiazine-Tacrine Heterodimers: Pursuing Multitarget Directed Approach in Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1698-1715.	1.7	16
5	Huprine Y and Tryptophan heterodimers with potential implication to Alzheimer's disease treatment. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 43, 128100.	1.0	5
6	Amaryllidaceae Alkaloids of Norbelladine-Type as Inspiration for Development of Highly Selective Butyrylcholinesterase Inhibitors: Synthesis, Biological Activity Evaluation, and Docking Studies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8308.	1.8	5
7	Pursuing the Complexity of Alzheimer's Disease: Discovery of Fluoren-9-Amines as Selective Butyrylcholinesterase Inhibitors and N-Methyl-d-Aspartate Receptor Antagonists. <i>Biomolecules</i> , 2021, 11, 3.	1.8	4
8	Heterocyclic Cathinones as Inhibitors of Kynurenine Aminotransferase II Design, Synthesis, and Evaluation. <i>Pharmaceuticals</i> , 2021, 14, 1291.	1.7	3
9	Discovery of novel berberine derivatives with balanced cholinesterase and prolyl oligopeptidase inhibition profile. <i>European Journal of Medicinal Chemistry</i> , 2020, 203, 112593.	2.6	24
10	Amaryllidaceae Alkaloids of Belladine-Type from <i>Narcissus pseudonarcissus</i> cv. Carlton as New Selective Inhibitors of Butyrylcholinesterase. <i>Biomolecules</i> , 2020, 10, 800.	1.8	21
11	Benzothiazolyl Ureas are Low Micromolar and Uncompetitive Inhibitors of 17β-HSD10 with Implications to Alzheimer's Disease Treatment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2059.	1.8	14
12	Donepezil and Rivastigmine: Pharmacokinetic Profile and Brain-targeting After Intramuscular Administration in Rats. <i>Iranian Journal of Pharmaceutical Research</i> , 2020, 19, 95-102.	0.3	4
13	Exploring Structure-Activity Relationship in Tacrine-Squaramide Derivatives as Potent Cholinesterase Inhibitors. <i>Biomolecules</i> , 2019, 9, 379.	1.8	23
14	Pharmacological and toxicological in vitro and in vivo effect of higher doses of oxime reactivators. <i>Toxicology and Applied Pharmacology</i> , 2019, 383, 114776.	1.3	5
15	In Vitro and In Silico Acetylcholinesterase Inhibitory Activity of Thalictricavine and Canadine and Their Predicted Penetration across the Blood-Brain Barrier. <i>Molecules</i> , 2019, 24, 1340.	1.7	23
16	Derivatives of the Î²-Crinane Amaryllidaceae Alkaloid Haemanthamine as Multi-Target Directed Ligands for Alzheimer's Disease. <i>Molecules</i> , 2019, 24, 1307.	1.7	22
17	Novel tacrine-tryptophan hybrids: Multi-target directed ligands as potential treatment for Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2019, 168, 491-514.	2.6	75
18	Alkaloids from <i>Narcissus poeticus</i> cv. Pink Parasol of various structural types and their biological activity. <i>Archives of Pharmacal Research</i> , 2018, 41, 208-218.	2.7	35

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19	Synthesis, Biological Evaluation, and Docking Studies of Novel Bisquaternary Aldoxime Reactivators on Acetylcholinesterase and Butyrylcholinesterase Inhibited by Paraoxon. <i>Molecules</i> , 2018, 23, 1103.	1.7	11
20	Development of small bisquaternary cholinesterase inhibitors as drugs for pre-treatment of nerve agent poisonings. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 505-512.	2.0	4
21	In vitro and in silico Evaluation of Non-Quaternary Reactivators of AChE as Antidotes of Organophosphorus Poisoning - a New Hope or a Blind Alley?. <i>Medicinal Chemistry</i> , 2018, 14, 281-292.	0.7	19
22	Tacrine-resveratrol fused hybrids as multi-target-directed ligands against Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 250-262.	2.6	95
23	Novel Tacrine-Scutellarin Hybrids as Multipotent Anti-Alzheimer's Agents: Design, Synthesis and Biological Evaluation. <i>Molecules</i> , 2017, 22, 1006.	1.7	32
24	Cholinesterase and Prolyl Oligopeptidase Inhibitory Activities of Alkaloids from <i>Argemone platyceras</i> (Papaveraceae). <i>Molecules</i> , 2017, 22, 1181.	1.7	19
25	Development of 2-Methoxyhuprine as Novel Lead for Alzheimer's Disease Therapy. <i>Molecules</i> , 2017, 22, 1265.	1.7	26
26	Design, Synthesis and in vitro Evaluation of Indolotacrine Analogues as Multitarget-Directed Ligands for the Treatment of Alzheimer's Disease. <i>ChemMedChem</i> , 2016, 11, 1264-1269.	1.6	35
27	Targeting copper(II)-induced oxidative stress and the acetylcholinesterase system in Alzheimer's disease using multifunctional tacrine-coumarin hybrid molecules. <i>Journal of Inorganic Biochemistry</i> , 2016, 161, 52-62.	1.5	63
28	Isoquinoline Alkaloids from <i>Fumaria officinalis</i> L. and Their Biological Activities Related to Alzheimer's Disease. <i>Chemistry and Biodiversity</i> , 2016, 13, 91-99.	1.0	30
29	Isolation of Amaryllidaceae alkaloids from <i>Nerine bowdenii</i> W. Watson and their biological activities. <i>RSC Advances</i> , 2016, 6, 80114-80120.	1.7	23
30	7-Methoxytacrine-p-Anisidine Hybrids as Novel Dual Binding Site Acetylcholinesterase Inhibitors for Alzheimer's Disease Treatment. <i>Molecules</i> , 2015, 20, 22084-22101.	1.7	35
31	(+)-Chenabinal (Revised NMR Data) and Two New Alkaloids from <i>Berberis vulgaris</i> and their Biological Activity. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501001.	0.2	1
32	Alkaloids from <i>Peumus boldus</i> and their Acetylcholinesterase, Butyrylcholinesterase and Prolyl Oligopeptidase Inhibition Activity. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.2	6
33	Isoquinoline alkaloids as prolyl oligopeptidase inhibitors. <i>Fytoterapia</i> , 2015, 103, 192-196.	1.1	23
34	Tacrine-Trolox Hybrids: A Novel Class of Centrally Active, Nonhepatotoxic Multi-Target-Directed Ligands Exerting Anticholinesterase and Antioxidant Activities with Low In Vivo Toxicity. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8985-9003.	2.9	121
35	Alkaloids from <i>Peumus boldus</i> and their acetylcholinesterase, butyrylcholinesterase and prolyl oligopeptidase inhibition activity. <i>Natural Product Communications</i> , 2015, 10, 577-80.	0.2	9
36	Impact of tacrine and 7-methoxytacrine on gastric myoelectrical activity assessed using electrogastrography in experimental pigs. <i>Neuroendocrinology Letters</i> , 2015, 36 Suppl 1, 150-5.	0.2	2

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37	Chemical Composition of Bioactive Alkaloid Extracts from Some Narcissus Species and Varieties and their Biological Activity. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400900.	0.2	5
38	Synthesis and Biological Evaluation of Novel Tacrine Derivatives and Tacrineâ€“Coumarin Hybrids as Cholinesterase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7073-7084.	2.9	99
39	Revised NMR data for 9-O-demethylgalanthine: an alkaloid from <i>Zephyranthes robusta</i> (Amaryllidaceae) and its biological activity. <i>Natural Product Communications</i> , 2014, 9, 787-8.	0.2	15
40	Chemical composition of bioactive alkaloid extracts from some Narcissus species and varieties and their biological activity. <i>Natural Product Communications</i> , 2014, 9, 1151-5.	0.2	9
41	Preparation, in vitro evaluation and molecular modelling of pyridiniumâ€“quinolinium/isoquinolinium non-symmetrical bisquaternary cholinesterase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6663-6666.	1.0	11
42	Alkaloids from <i>Chlidanthus fragrans</i> and their Acetylcholinesterase, Butyrylcholinesterase and Prolyl Oligopeptidase Activities. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300801.	0.2	14
43	Structure-Activity Relationship for the Reactivators of Acetylcholinesterase Inhibited by Nerve Agent VX. <i>Medicinal Chemistry</i> , 2013, 9, 689-693.	0.7	4
44	Impact of paraoxon followed by acetylcholinesterase reactivator HI-6 on gastric myoelectric activity in experimental pigs. <i>Neuroendocrinology Letters</i> , 2013, 34 Suppl 2, 79-83.	0.2	4
45	Alkaloids from <i>Chlidanthus fragrans</i> and their acetylcholinesterase, butyrylcholinesterase and prolyl oligopeptidase activities. <i>Natural Product Communications</i> , 2013, 8, 1541-4.	0.2	20
46	Synthesis, design and biological evaluation of novel highly potent tacrine congeners for the treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2012, 55, 23-31.	2.6	27
47	Asoxime (HI-6) impact on dogs after one and tenfold therapeutic doses: Assessment of adverse effects, distribution, and oxidative stress. <i>Environmental Toxicology and Pharmacology</i> , 2011, 32, 75-81.	2.0	11
48	TLC analysis of twelve different salts of oxime HI-6 â€” Reactivator of nerve agent inhibited AChE. <i>Journal of Planar Chromatography - Modern TLC</i> , 2011, 24, 105-107.	0.6	0
49	Preparation, in vitro screening and molecular modelling of symmetrical 4-tert-butylpyridinium cholinesterase inhibitorsâ€” Analogues of SAD-128. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 150-154.	1.0	16
50	Preparation and in vitro screening of symmetrical bis-isoquinolinium cholinesterase inhibitors bearing various connecting linkage â€” Implications for early Myasthenia gravis treatment. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 811-818.	2.6	33
51	The preparation, <i>in vitro</i> screening and molecular docking of symmetrical bisquaternary cholinesterase inhibitors containing a but-(2E)-en-1,4-diyl connecting linkage. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011, 26, 245-253.	2.5	9
52	Assessment of Acetylcholinesterase Activity Using Indoxylacetate and Comparison with the Standard Ellmanâ€™s Method. <i>International Journal of Molecular Sciences</i> , 2011, 12, 2631-2640.	1.8	125
53	ON THE UNIVERSALITY OF OXIME HLÄ†-7 - ANTIDOTE FOR CASE OF THE NERVE AGENT POISONING. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2011, 80, 80-84.	0.2	4
54	Preparation and in vitro screening of symmetrical bispyridinium cholinesterase inhibitors bearing different connecting linkageâ€”initial study for Myasthenia gravis implications. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 1763-1766.	1.0	36

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55	Oxime K027: novel low-toxic candidate for the universal reactivator of nerve agent- and pesticide-inhibited acetylcholinesterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010, 25, 509-512.	2.5	26
56	New Bisquaternary Isoquinolinium Inhibitors of Brain Cholinesterases - Synthesis and Anticholinesterase Activity. <i>Letters in Drug Design and Discovery</i> , 2010, 7, 1-4.	0.4	4
57	Novel Nucleophilic Compounds with Oxime Group as Reactivators of Paraoxon-Inhibited Cholinesterases. <i>Letters in Drug Design and Discovery</i> , 2010, 7, 260-264.	0.4	3
58	Evaluation of Cholinesterase Activities During in Vivo Intoxication Using an Electrochemical Sensor Strip – Correlation With Intoxication Symptoms. <i>Sensors</i> , 2009, 9, 3627-3634.	2.1	8
59	Reactivation of Human Brain Homogenate Cholinesterases Inhibited by Tabun using Newly Developed Oximes K117 and K127. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009, 105, 207-210.	1.2	8
60	Novel Bisquaternary Oximes – Reactivation of Acetylcholinesterase and Butyrylcholinesterase Inhibited by Paraoxon. <i>Molecules</i> , 2009, 14, 4915-4921.	1.7	17
61	Diagnosis of Intoxication by the Organophosphate VX: Comparison Between an Electrochemical Sensor and Ellman's Photometric Method. <i>Sensors</i> , 2008, 8, 5229-5237.	2.1	28
62	Potency of Five Structurally Different Acetylcholinesterase Reactivators to Reactivate Human Brain Cholinesterases Inhibited by Cyclosarin. <i>Clinical Toxicology</i> , 2007, 45, 512-515.	0.8	8
63	Twelve Different HI-6 Salts and their Potency to Reactivate Cyclosarin Inhibited AChE In Vitro. <i>Letters in Drug Design and Discovery</i> , 2007, 4, 510-512.	0.4	13
64	Targeted Synthesis of 1-(4-Hydroxyiminomethylpyridinium)-3-pyridiniumpropane Dibromide – A New Nerve Agent Reactivator. <i>Molecules</i> , 2007, 12, 1964-1972.	1.7	15
65	Preparation of Benzalkonium Salts Differing in the Length of a Side Alkyl Chain. <i>Molecules</i> , 2007, 12, 2341-2347.	1.7	19
66	In Vitro Potency of H Oximes (HI-6, HL-7), the Oxime BI-6, and Currently Used Oximes (Pralidoxime,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf of Toxicology and Environmental Health - Part A: Current Issues</i> , 2006, 69, 1431-1440.	1.1	9
67	In Vitro Evaluation of Acetylcholinesterase Reactivators as Potential Antidotes Against Tabun Nerve Agent Poisonings. <i>Drug and Chemical Toxicology</i> , 2006, 29, 443-449.	1.2	12
68	New group of xylene linker-containing acetylcholinesterase reactivators as antidotes against the nerve agent cyclosarin. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2006, 21, 515-519.	2.5	8
69	Potency of new structurally different oximes to reactivate cyclosarin-inhibited human brain acetylcholinesterases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2006, 21, 663-666.	2.5	26
70	Russian VX: Inhibition and Reactivation of Acetylcholinesterase Compared with VX Agent. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2006, 98, 389-394.	1.2	36
71	Comparison of in vitro potency of oximes (pralidoxime, obidoxime, HI-6) to reactivate sarin-inhibited acetylcholinesterase in various parts of pig brain. <i>Journal of Applied Toxicology</i> , 2005, 25, 271-276.	1.4	12
72	A Comparison of the Potency of the Oxime HL-7 and Currently Used Oximes (HI-6, Pralidoxime,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf Acta Medica (Hradec Kralove)</i> , 2005, 48, 81-86.	0.2	17