Jan Korabecny

List of Publications by Year in descending order

149 papers	3,989 citations	117453 34 h-index	155451 55 g-index
152 all docs	152 docs citations	152 times ranked	4403 citing authors

#	Article	IF	Citations
1	Monoterpene indole alkaloids from Vinca minor L. (Apocynaceae): Identification of new structural scaffold for treatment of Alzheimer's disease. Phytochemistry, 2022, 194, 113017.	1.4	7
2	Bis-Amiridines as Acetylcholinesterase and Butyrylcholinesterase Inhibitors: N-Functionalization Determines the Multitarget Anti-Alzheimerâ€™s Activity Profile. Molecules, 2022, 27, 1060.	1.7	10
3	Novel D2/5-HT receptor modulators related to cariprazine with potential implication to schizophrenia treatment. European Journal of Medicinal Chemistry, 2022, 232, 114193.	2.6	5
4	Countermeasures in organophosphorus intoxication: pitfalls and prospects. Trends in Pharmacological Sciences, 2022, 43, 593-606.	4.0	16
5	Alkaloids of Dicranostigma franchetianum (Papaveraceae) and Berberine Derivatives as a New Class of Antimycobacterial Agents. Biomolecules, 2022, 12, 844.	1.8	4
6	7-Azaindole, 2,7-diazaindole, and 1H-pyrazole as core structures for novel anticancer agents with potential chemosensitizing properties. European Journal of Medicinal Chemistry, 2022, 240, 114580.	2.6	3
7	Effects of Novel Tacrine Derivatives on Mitochondrial Energy Metabolism and Monoamine Oxidase Activityâ€”In Vitro Study. Molecular Neurobiology, 2021, 58, 1102-1113.	1.9	5
8	2-Propargylamino-naphthoquinone derivatives as multipotent agents for the treatment of Alzheimerâ€™s disease. European Journal of Medicinal Chemistry, 2021, 211, 113112.	2.6	19
9	Alkaloids of Zephyranthes citrina (Amaryllidaceae) and their implication to Alzheimer's disease: Isolation, structural elucidation and biological activity. Bioorganic Chemistry, 2021, 107, 104567.	2.0	20
10	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
11	Discovery of sustainable drugs for Alzheimer's disease: cardanol-derived cholinesterase inhibitors with antioxidant and anti-amyloid properties. RSC Medicinal Chemistry, 2021, 12, 1154-1163.	1.7	11
12	Development of versatile and potent monoquaternary reactivators of acetylcholinesterase. Archives of Toxicology, 2021, 95, 985-1001.	1.9	7
13	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
14	Clinical Candidates Targeting the ATRâ€“CHK1â€“WEE1 Axis in Cancer. Cancers, 2021, 13, 795.	1.7	50
15	Structure Elucidation and Cholinesterase Inhibition Activity of Two New Minor Amaryllidaceae Alkaloids. Molecules, 2021, 26, 1279.	1.7	7
16	Review of Synthetic Approaches to Dizocilpine. Current Organic Chemistry, 2021, 25, 580-600.	0.9	0
17	7-phenoxytacrine is a dually acting drug with neuroprotective efficacy in vivo. Biochemical Pharmacology, 2021, 186, 114460.	2.0	12
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	Phenothiazine-Tacrine Heterodimers: Pursuing Multitarget Directed Approach in Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2021, 12, 1698-1715.	1.7	16
20	Synthesis of New Biscoumarin Derivatives, In Vitro Cholinesterase Inhibition, Molecular Modelling and Antiproliferative Effect in A549 Human Lung Carcinoma Cells. International Journal of Molecular Sciences, 2021, 22, 3830.	1.8	3
21	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
22	Discovery of multifunctional anti-Alzheimerâ€™s agents with a unique mechanism of action including inhibition of the enzyme butyrylcholinesterase and Î³-aminobutyric acid transporters. European Journal of Medicinal Chemistry, 2021, 218, 113397.	2.6	14
23	Structure-activity relationships of dually-acting acetylcholinesterase inhibitors derived from tacrine on N-methyl-d-Aspartate receptors. European Journal of Medicinal Chemistry, 2021, 219, 113434.	2.6	9
24	Cholinesterase Research. Biomolecules, 2021, 11, 1121.	1.8	6
25	Huprine Y â€“ Tryptophan heterodimers with potential implication to Alzheimerâ€™s disease treatment. Bioorganic and Medicinal Chemistry Letters, 2021, 43, 128100.	1.0	5
26	Amiridine-piperazine hybrids as cholinesterase inhibitors and potential multitarget agents for Alzheimer's disease treatment. Bioorganic Chemistry, 2021, 112, 104974.	2.0	22
27	Synthesis and In Vitro Evaluation of Novel Dopamine Receptor D2 3,4-dihydroquinolin-2(1H)-one Derivatives Related to Aripiprazole. Biomolecules, 2021, 11, 1262.	1.8	5
28	Amaryllidaceae Alkaloids of Norbelladine-Type as Inspiration for Development of Highly Selective Butyrylcholinesterase Inhibitors: Synthesis, Biological Activity Evaluation, and Docking Studies. International Journal of Molecular Sciences, 2021, 22, 8308.	1.8	5
29	Rare genetic variability in human drug target genes modulates drug response and can guide precision medicine. Science Advances, 2021, 7, eabi6856.	4.7	16
30	Derivatives of montanine-type alkaloids and their implication for the treatment of Alzheimer's disease: Synthesis, biological activity and in silico study. Bioorganic and Medicinal Chemistry Letters, 2021, 51, 128374.	1.0	4
31	Pursuing the Complexity of Alzheimerâ€™s Disease: Discovery of Fluoren-9-Amines as Selective Butyrylcholinesterase Inhibitors and N-Methyl-d-Aspartate Receptor Antagonists. Biomolecules, 2021, 11, 3.	1.8	4
32	Interaction of synthesized nitrogen enriched graphene quantum dots with novel anti-Alzheimerâ€™s drugs: spectroscopic insights. Journal of Biomolecular Structure and Dynamics, 2020, 38, 1-16.	2.0	12
33	Oxime K074 â€“ in vitro and in silico reactivation of acetylcholinesterase inhibited by nerve agents and pesticides. Toxin Reviews, 2020, 39, 157-166.	1.5	5
34	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
35	Synthesis, inhibition studies against AChE and BChE, drug-like profiling, kinetic analysis and molecular docking studies of N-(4-phenyl-3-aroyl-2(3H)-ylidene) substituted acetamides. Journal of Molecular Structure, 2020, 1203, 127459.	1.8	17
36	Cysteine-Targeted Insecticides against A. gambiae Acetylcholinesterase Are Neither Selective nor Reversible Inhibitors. ACS Medicinal Chemistry Letters, 2020, 11, 65-71.	1.3	11

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37	From orexin receptor agonist YNT-185 to novel antagonists with drug-like properties for the treatment of insomnia. Bioorganic Chemistry, 2020, 103, 104179.	2.0	5
38	The wide-spectrum antimicrobial effect of novel N-alkyl monoquaternary ammonium salts and their mixtures; the QSAR study against bacteria. European Journal of Medicinal Chemistry, 2020, 206, 112584.	2.6	22
39	Discovery of novel berberine derivatives with balanced cholinesterase and prolyl oligopeptidase inhibition profile. European Journal of Medicinal Chemistry, 2020, 203, 112593.	2.6	24
40	The pathogenic S688Y mutation in the ligand-binding domain of the GluN1 subunit regulates the properties of NMDA receptors. Scientific Reports, 2020, 10, 18576.	1.6	13
41	Inside Front Cover Image, Volume 40, Issue 5. Medicinal Research Reviews, 2020, 40, ii.	5.0	0
42	Multi-spectroscopic monitoring of molecular interactions between an amino acid-functionalized ionic liquid and potential anti-Alzheimer's drugs. RSC Advances, 2020, 10, 38873-38883.	1.7	8
43	Functionalized aromatic esters of the Amaryllidaceae alkaloid haemanthamine and their in vitro and in silico biological activity connected to Alzheimerâ€™s disease. Bioorganic Chemistry, 2020, 100, 103928.	2.0	9
44	Amaryllidaceae Alkaloids of Belladine-Type from Narcissus pseudonarcissus cv. Carlton as New Selective Inhibitors of Butyrylcholinesterase. Biomolecules, 2020, 10, 800.	1.8	21
45	Exploring spectroscopic insights into molecular recognition of potential anti-Alzheimer's drugs within the hydrophobic pockets of Î²-cycloamylose. Journal of Molecular Liquids, 2020, 311, 113269.	2.3	4
46	Discovery of ATR kinase inhibitor berzosertib (VX-970, M6620): Clinical candidate for cancer therapy. , 2020, 210, 107518.		66
47	Recent advances with 5â€HT₃ modulators for neuropsychiatric and gastrointestinal disorders. Medicinal Research Reviews, 2020, 40, 1593-1678.	5.0	30
48	Aromatic Esters of the Crinane Amaryllidaceae Alkaloid Ambelline as Selective Inhibitors of Butyrylcholinesterase. Journal of Natural Products, 2020, 83, 1359-1367.	1.5	19
49	A Perspective on Multi-target Drugs for Alzheimerâ€™s Disease. Trends in Pharmacological Sciences, 2020, 41, 434-445.	4.0	148
50	Huprines â€” an insight into the synthesis and biological properties. Russian Chemical Reviews, 2020, 89, 999-1039.	2.5	6
51	Reply to Comment on â€œCysteine-Targeted Insecticides against <i>A. gambiae</i> Acetylcholinesterase Are Neither Selective nor Reversible Inhibitorsâ€. ACS Medicinal Chemistry Letters, 2020, 11, 1065-1066.	1.3	0
52	SEARCHING FOR NEW ANTIMICROBIAL AGENTS BYÂTARGETING BACTERIAL NAD METABOLISM: EVALUATION OF FRENTIZOLE DERIVATIVES SELECTED BY MOLECULAR DOCKING. Military Medical Science Letters (Vojenske) Tj ETQq0 0 0 rgBT /Overlock	0.2	3
53	Development of 3,5-Dinitrophenyl-Containing 1,2,4-Triazoles and Their Trifluoromethyl Analogues as Highly Efficient Antitubercular Agents Inhibiting Decaprenylphosphoryl-Î²-<scp>d</scp>-ribofuranose 2â€²-Oxidase. Journal of Medicinal Chemistry, 2019, 62, 8115-8139.	2.9	37
54	Exploring Structure-Activity Relationship in Tacrine-Squaramide Derivatives as Potent Cholinesterase Inhibitors. Biomolecules, 2019, 9, 379.	1.8	23

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55	Amaryllidaceae alkaloids from Narcissus pseudonarcissus L. cv. Dutch Master as potential drugs in treatment of Alzheimer's disease. Phytochemistry, 2019, 165, 112055.	1.4	43
56	Editorial: Multi Target - Directed Ligands in the Treatment of Alzheimerâ€™s Disease. Current Alzheimer Research, 2019, 16, 771-771.	0.7	1
57	Tacroximes: novel unique compounds for the recovery of organophosphorus-inhibited acetylcholinesterase. Future Medicinal Chemistry, 2019, 11, 2625-2634.	1.1	6
58	Isoquinoline Alkaloids from Berberis vulgaris as Potential Lead Compounds for the Treatment of Alzheimerâ€™s Disease. Journal of Natural Products, 2019, 82, 239-248.	1.5	55
59	Search for multifunctional agents against Alzheimerâ€™s disease among non-imidazole histamine H3 receptor ligands. In vitro and in vivo pharmacological evaluation and computational studies of piperazine derivatives. Bioorganic Chemistry, 2019, 90, 103084.	2.0	13
60	Current approaches to enhancing oxime reactivator delivery into the brain. Toxicology, 2019, 423, 75-83.	2.0	34
61	In Vitro and In Silico Acetylcholinesterase Inhibitory Activity of Thalictricavine and Canadine and Their Predicted Penetration across the Blood-Brain Barrier. Molecules, 2019, 24, 1340.	1.7	23
62	Derivatives of the Î²-Crinane Amaryllidaceae Alkaloid Haemanthamine as Multi-Target Directed Ligands for Alzheimerâ€™s Disease. Molecules, 2019, 24, 1307.	1.7	22
63	In vitro investigating of anticancer activity of new 7-MEOTA-tacrine heterodimers. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 877-897.	2.5	17
64	Investigation on the effect of alkyl chain linked mono-thioureas as Jack bean urease inhibitors, SAR, pharmacokinetics ADMET parameters and molecular docking studies. Bioorganic Chemistry, 2019, 86, 473-481.	2.0	17
65	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
66	Donepezil Derivatives Targeting Amyloid-Î² Cascade in Alzheimer's Disease. Current Alzheimer Research, 2019, 16, 772-800.	0.7	18
67	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
68	Oxime K203: a drug candidate for the treatment of tabun intoxication. Archives of Toxicology, 2019, 93, 673-691.	1.9	19
69	Orexin supplementation in narcolepsy treatment: A review. Medicinal Research Reviews, 2019, 39, 961-975.	5.0	31
70	Novel quinazolin-4-one derivatives as potentiating agents of doxorubicin cytotoxicity. Bioorganic Chemistry, 2019, 82, 204-210.	2.0	2
71	A Systematic Review on Donepezil-based Derivatives as Potential Cholinesterase Inhibitors for Alzheimerâ€™s Disease. Current Medicinal Chemistry, 2019, 26, 5625-5648.	1.2	22
72	N-alkylated Tacrine Derivatives as Potential Agents in Alzheimerâ€™s Disease Therapy. Current Alzheimer Research, 2019, 16, 333-343.	0.7	5

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73	PROPHYLACTIC AGENTS IN THE MANAGEMENT OFÂORGANOPHOSPHORUS INTOXICATION. Military Medical Science Letters (Vojenske Zdravotnicke Listy), 2019, 88, 121-133.	0.2	0
74	PHARMACOLOGICAL PROFILE OF DIZOCILPINE (MK-801) ANDÂITS POTENTIAL USE IN ANIMAL MODEL OFÂSCHIZOPHRENIA. Military Medical Science Letters (Vojenske Zdravotnicke Listy), 2019, 88, 166-179.	0.2	0
75	Novel Multitarget-Directed Ligands Aiming at Symptoms and Causes of Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2018, 9, 1195-1214.	1.7	44
76	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
77	Profiling donepezil template into multipotent hybrids with antioxidant properties. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 583-606.	2.5	44
78	The influence of modulators of acetylcholinesterase on the resistance of mice against soman and on the effectiveness of antidotal treatment of soman poisoning in mice. Journal of Applied Biomedicine, 2018, 16, 10-14.	0.6	4
79	Newly Developed Drugs for Alzheimerâ€™s Disease in Relation to Energy Metabolism, Cholinergic and Monoaminergic Neurotransmission. Neuroscience, 2018, 370, 191-206.	1.1	48
80	The New Acetylcholinesterase Inhibitors <scp>PC</scp>â€37 and <scp>PC</scp>â€48 (7â€²Methoxytacrineâ€²Donepezilâ€²Like Compounds): Characterization of Their Metabolites in Human Liver Microsomes, Pharmacokinetics and In Vivo Formation of the Major Metabolites in Rats. Basic and Clinical Pharmacology and Toxicology, 2018, 122, 373-382.	1.2	10
81	Purin-6-one and pyrrolo[2,3-d]pyrimidin-4-one derivatives as potentiating agents of doxorubicin cytotoxicity. Future Medicinal Chemistry, 2018, 10, 2029-2038.	1.1	2
82	Investigation of New Orexin 2 Receptor Modulators Using In Silico and In Vitro Methods. Molecules, 2018, 23, 2926.	1.7	6
83	7-Methoxyderivative of tacrine is a â€˜foot-in-the-doorâ€™ open-channel blocker of GluN1/GluN2 and GluN1/GluN3 NMDA receptors with neuroprotective activity in vivo. Neuropharmacology, 2018, 140, 217-232.	2.0	23
84	1-Benzyl-4-methylpiperidinyl moiety in donepezil: The priority ticket across the blood-brain-barrier in rats. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1092, 350-358.	1.2	5
85	A Review of the Synthesis of Quaternary Acetylcholinesterase Reactivators. Current Organic Chemistry, 2018, 22, 1619-1648.	0.9	6
86	Cholinesterase Inhibitor 6-Chlorotacrine - In Vivo Toxicological Profile and Behavioural Effects. Current Alzheimer Research, 2018, 15, 552-560.	0.7	26
87	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
88	PRO-COGNITIVE EFFECT OF BIS(7)-TACRINE AS POTENTIAL THERAPEUTIC AGENT AGAINST NEURODEGENERATIVE DISORDERS. Military Medical Science Letters (Vojenske Zdravotnicke Listy), 2018, 87, 34-44.	0.2	2
89	The pharmacology of tacrine at N -methyl- d -aspartate receptors. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 75, 54-62.	2.5	49
90	Progress in acetylcholinesterase reactivators and in the treatment of organophosphorus intoxication: a patent review (2006â€“2016). Expert Opinion on Therapeutic Patents, 2017, 27, 971-985.	2.4	28

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91	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
92	Inhibitors of Acetylcholinesterase Derived from 7-Methoxytacrine and Their Effects on the Choline Transporter CHT1. Dementia and Geriatric Cognitive Disorders, 2017, 43, 45-58.	0.7	4
93	Bis-isoquinolinium and bis-pyridinium acetylcholinesterase inhibitors: in vitro screening of probes for novel selective insecticides. RSC Advances, 2017, 7, 39279-39291.	1.7	6
94	Prolyl oligopeptidase and its role in the organism: attention to the most promising and clinically relevant inhibitors. Future Medicinal Chemistry, 2017, 9, 1015-1038.	1.1	48
95	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
96	Design, synthesis and biological evaluation of new phthalimide and saccharin derivatives with alicyclic amines targeting cholinesterases, beta-secretase and amyloid beta aggregation. European Journal of Medicinal Chemistry, 2017, 125, 676-695.	2.6	85
97	Multitarget Tacrine Hybrids with Neuroprotective Properties to Confront Alzheimerâ€™s Disease. Current Topics in Medicinal Chemistry, 2017, 17, 1006-1026.	1.0	75
98	Novel Tacrine-Scutellarin Hybrids as Multipotent Anti-Alzheimerâ€™s Agents: Design, Synthesis and Biological Evaluation. Molecules, 2017, 22, 1006.	1.7	32
99	Development of 2-Methoxyhuprine as Novel Lead for Alzheimerâ€™s Disease Therapy. Molecules, 2017, 22, 1265.	1.7	26
100	Alzheimer's Disease Drugs- In Vitro Comparison of Cholinesterase Inhibition and beta-amyloid Modulation. Letters in Drug Design and Discovery, 2017, 14, .	0.4	0
101	The Evaluation of Benefit of Newly Prepared Reversible Inhibitors of Acetylcholinesterase and Commonly Used Pyridostigmine as Pharmacological Pretreatment of Soman-Poisoned Mice. Acta Medica (Hradec Kralove), 2017, 60, 37-43.	0.2	4
102	HLÃ¶-7 - A REVIEW OF ACETYLCHOLINESTERASE REACTIVATOR AGAINST ORGANOPHOSPHOROUS INTOXICATION. Military Medical Science Letters (Vojenske Zdravotnicke Listy), 2017, 86, 70-83.	0.2	2
103	Dose Dependent Prophylactic Efficacy of 6-Chlorotacrine in Soman-Poisoned Mice. Acta Medica (Hradec Kralove), 2017, 60, 140-145.	0.2	1
104	Current Approaches Against Alzheimer's Disease in Clinical Trials. Journal of the Brazilian Chemical Society, 2016, , .	0.6	12
105	Novel 8â€Hydroxyquinoline Derivatives as Multitarget Compounds for the Treatment of Alzheimerâ€²s Disease. ChemMedChem, 2016, 11, 1284-1295.	1.6	69
106	Towards understanding the mechanism of action of antibacterial N-alkyl-3-hydroxypyridinium salts: Biological activities, molecular modeling and QSAR studies. European Journal of Medicinal Chemistry, 2016, 121, 699-711.	2.6	37
107	SAR study to find optimal cholinesterase reactivator against organophosphorous nerve agents and pesticides. Archives of Toxicology, 2016, 90, 2831-2859.	1.9	75
108	Synthesis, antimicrobial evaluation and molecular modeling of 5-hydroxyisoquinolinium salt series; the effect of the hydroxyl moiety. Bioorganic and Medicinal Chemistry, 2016, 24, 841-848.	1.4	15

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109	Cardanol-derived AChE inhibitors: Towards the development of dual binding derivatives for Alzheimer's disease. European Journal of Medicinal Chemistry, 2016, 108, 687-700.	2.6	82
110	An HPLCâ€“MS method for the quantification of new acetylcholinesterase inhibitor PC 48 (7-MEOTA-donepezil like compound) in rat plasma: Application to a pharmacokinetic study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1020, 85-89.	1.2	7
111	Novel caffeine derivatives with antiproliferative activity. RSC Advances, 2016, 6, 32534-32539.	1.7	12
112	Effects of novel tacrine-related cholinesterase inhibitors in the reversal of 3-quinuclidinyl benzilate-induced cognitive deficit in rats â€"Is there a potential for Alzheimerâ€™s disease treatment?. Neuroscience Letters, 2016, 612, 261-268.	1.0	20
113	Adamantane â€“ A Lead Structure for Drugs in Clinical Practice. Current Medicinal Chemistry, 2016, 23, 3245-3266.	1.2	139
114	Small Molecules Targeting Ataxia Telangiectasia and Rad3-Related (ATR) Kinase: An Emerging way to Enhance Existing Cancer Therapy. Current Cancer Drug Targets, 2016, 16, 200-208.	0.8	11
115	Preparation of 7â€Methoxy Tacrine Dimer Analogs and Their In vitro/In silico Evaluation as Potential Cholinesterase Inhibitors. Bulletin of the Korean Chemical Society, 2015, 36, 1654-1660.	1.0	9
116	Novel Cholinesterase Reactivators. , 2015, , 1071-1087.		4
117	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
118	Cholinergic properties ofÂnew 7-methoxytacrine-donepezil derivatives. General Physiology and Biophysics, 2015, 34, 189-200.	0.4	17
119	Ligand-based 3D QSAR analysis of reactivation potency of mono- and bis-pyridinium aldoximes toward VX-inhibited rat acetylcholinesterase. Journal of Molecular Graphics and Modelling, 2015, 56, 113-129.	1.3	17
120	Design, synthesis and in vitro testing of 7-methoxytacrine-amantadine analogues: a novel cholinesterase inhibitors for the treatment of Alzheimerâ€™s disease. Medicinal Chemistry Research, 2015, 24, 2645-2655.	1.1	28
121	HPC Cloud Technologies for Virtual Screening in Drug Discovery. Lecture Notes in Computer Science, 2015, , 440-449.	1.0	10
122	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
123	Variable Elimination Approaches for Data-Noise Reduction in 3D QSAR Calculations. Lecture Notes in Computer Science, 2015, , 313-325.	1.0	3
124	Phosphatidylinositol 3-Kinase (PI3K) and Phosphatidylinositol 3-Kinase-Related Kinase (PIKK) Inhibitors: Importance of the Morpholine Ring. Journal of Medicinal Chemistry, 2015, 58, 41-71.	2.9	122
125	A Review of the Total Synthesis of (+)-Lactacystin and its Analogs. Current Organic Chemistry, 2015, 19, 1980-2001.	0.9	5
126	The effects of novel 7-MEOTA-donepezil like hybrids and N-alkylated tacrine analogues in the treatment of quinuclidinyl benzilate-induced behavioural deficits in rats performing the multiple T-maze test. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2015, 159, 547-553.	0.2	17

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127	Pharmacotherapy of Alzheimerâ€™s Disease: Current State and Future Perspectives. , 2014, , 3-39.		5
128	Common yew intoxication: a case report. Journal of Medical Case Reports, 2014, 8, 4.	0.4	18
129	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
130	Synthesis and Biological Evaluation of Novel Tacrine Derivatives and Tacrineâ€“Coumarin Hybrids as Cholinesterase Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 7073-7084.	2.9	99
131	6-Hydroxyquinolinium salts differing in the length of alkyl side-chain: Synthesis and antimicrobial activity. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 5238-5241.	1.0	35
132	Multitarget Drug Design Strategy: Quinoneâ€“Tacrine Hybrids Designed To Block Amyloid-Î² Aggregation and To Exert Anticholinesterase and Antioxidant Effects. Journal of Medicinal Chemistry, 2014, 57, 8576-8589.	2.9	139
133	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
134	Outcomes of Alzheimer's disease therapy with acetylcholinesterase inhibitors and memantine. Expert Opinion on Drug Safety, 2014, 13, 759-74.	1.0	209
135	From Pyridinium-based to Centrally Active Acetylcholinesterase Reactivators. Mini-Reviews in Medicinal Chemistry, 2014, 14, 215-221.	1.1	44
136	The development of ataxia telangiectasia mutated kinase inhibitors. Mini-Reviews in Medicinal Chemistry, 2014, 14, 1-1.	1.1	18
137	7-Methoxytacrine-Adamantylamine Heterodimers as Cholinesterase Inhibitors in Alzheimerâ€™s Disease Treatment â€” Synthesis, Biological Evaluation and Molecular Modeling Studies. Molecules, 2013, 18, 2397-2418.	1.7	63
138	Oximes: Inhibitors of Human Recombinant Acetylcholinesterase. A Structure-Activity Relationship (SAR) Study. International Journal of Molecular Sciences, 2013, 14, 16882-16900.	1.8	38
139	Comparison of Novel Tacrine and 7-MEOTA Derivatives with Aromatic and Alicyclic Residues: Synthesis, Biological Evaluation and Docking Studies. Letters in Organic Chemistry, 2013, 10, 291-297.	0.2	3
140	A Resurrection of 7-MEOTA: A Comparison with Tacrine. Current Alzheimer Research, 2013, 10, 893-906.	0.7	92
141	In vitro effects of acetylcholinesterase reactivators on monoamine oxidase activity. Toxicology Letters, 2011, 201, 176-180.	0.4	10
142	Synthesis and in vitro evaluation of 7-methoxy-N-(pent-4-enyl)-1,2,3,4-tetrahydroacridin-9-amineâ€”new tacrine derivate with cholinergic properties. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6563-6566.	1.0	21
143	In vitro effects of acetylcholinesterase inhibitors and reactivators on Complex I of electron transport chain. Neuroendocrinology Letters, 2011, 32, 259-63.	0.2	6
144	Synthesis and In Vitro Evaluation of N-(Bromobut-3-en-2-yl)-7-methoxy-1,2,3,4-tetrahydroacridin-9-amine as a Cholinesterase Inhibitor with Regard to Alzheimer's Disease Treatment. Molecules, 2010, 15, 8804-8812.	1.7	22

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145	Synthesis and in vitro evaluation of N-alkyl-7-methoxytacrine hydrochlorides as potential cholinesterase inhibitors in Alzheimer disease. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6093-6095.	1.0	63
146	Novel Acetylcholinesterase Reactivator â€“ Oxime K048 â€“ Reactivation Activity In Vitro. Medicinal Chemistry, 2010, 6, 1-5.	0.7	4
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