

# Kamil Musilek

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

240  
papers

4,277  
citations

33  
h-index

53  
g-index

268  
ext. papers

4,784  
ext. citations

3.8  
avg, IF

5.47  
L-index

#	Paper	IF	Citations
240	Novel D/5-HT receptor modulators related to cariprazine with potential implication to schizophrenia treatment.. <i>European Journal of Medicinal Chemistry</i> , <b>2022</b> , 232, 114193	6.8	0
239	Charged pyridinium oximes with thiocarboxamide moiety are equally or less effective reactivators of organophosphate-inhibited cholinesterases compared to analogous carboxamides.. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2022</b> , 37, 760-767	5.6	
238	Optimization of gradient reversed phase high performance liquid chromatography analysis of acetaminophen oxidation metabolites using linear and non-linear retention model.. <i>Journal of Chromatography A</i> , <b>2022</b> , 1669, 462956	4.5	1
237	Halogen substituents enhance oxime nucleophilicity for reactivation of cholinesterases inhibited by nerve agents.. <i>European Journal of Medicinal Chemistry</i> , <b>2022</b> , 238, 114377	6.8	0
236	Effects of novel 17 $\beta$ hydroxysteroid dehydrogenase type 10 inhibitors on mitochondrial respiration. <i>Toxicology Letters</i> , <b>2021</b> , 339, 12-19	4.4	1
235	(-)- Pentatarget-Directed Ligand combining Cholinesterase, Monoamine Oxidase, and Glycogen Synthase Kinase 3 $\beta$ Inhibition with Calcium Channel Antagonism and Antiaggregating Properties for Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 1328-1342	5.7	9
234	Biomarkers of deoxynivalenol (DON) and its modified form DON-3-glucoside (DON-3G) in humans. <i>Trends in Food Science and Technology</i> , <b>2021</b> , 110, 551-558	15.3	5
233	Determination of K869, a Novel Oxime Reactivator of Acetylcholinesterase, in Rat Body Fluids and Tissues by Liquid-Chromatography Methods: Pharmacokinetic Study. <i>Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 110, 1842-1852	3.9	2
232	Hypothesis: JNK signaling is a therapeutic target of neurodegenerative diseases. <i>Alzheimers and Dementia</i> , <b>2021</b> ,	1.2	1
231	Potential Usage of Edible Mushrooms and Their Residues to Retrieve Valuable Supplies for Industrial Applications. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2021</b> , 7,	5.6	7
230	The Effect of Chemical Structure of OEG Ligand Shells with Quaternary Ammonium Moiety on the Colloidal Stabilization, Cellular Uptake and Photothermal Stability of Gold Nanorods. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 3407-3427	7.3	
229	Conifers Phytochemicals: A Valuable Forest with Therapeutic Potential. <i>Molecules</i> , <b>2021</b> , 26,	4.8	7
228	Pyridinium-2-carbaldoximes with quinolinium carboxamide moiety are simultaneous reactivators of acetylcholinesterase and butyrylcholinesterase inhibited by nerve agent surrogates. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2021</b> , 36, 437-449	5.6	1
227	Design, synthesis, and evaluation of BP-1-102 analogs with modified hydrophobic fragments for STAT3 inhibition. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2021</b> , 36, 410-424	5.6	1
226	Development of versatile and potent monoquaternary reactivators of acetylcholinesterase. <i>Archives of Toxicology</i> , <b>2021</b> , 95, 985-1001	5.8	1
225	Tacrine - Benzothiazoles: Novel class of potential multitarget anti-Alzheimer's drugs dealing with cholinergic, amyloid and mitochondrial systems. <i>Bioorganic Chemistry</i> , <b>2021</b> , 107, 104596	5.1	4
224	Effects of Charged Oxime Reactivators on the HK-2 Cell Line in Renal Toxicity Screening. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 699-703	4	2

223	Signal transducer and activator of transcription 3 signaling in tumor immune evasion. <i>Pharmacology &amp; Therapeutics</i> , <b>2021</b> , 230, 107969	13.9	4
222	Molecular Modeling Studies on the Multistep Reactivation Process of Organophosphate-Inhibited Acetylcholinesterase and Butyrylcholinesterase. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	3
221	The oxazolomycin family: a review of current knowledge.. <i>RSC Advances</i> , <b>2020</b> , 10, 40745-40794	3.7	2
220	Acetylcholinesterase Inhibition of Diversely Functionalized Quinolinones for Alzheimer's Disease Therapy. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	2
219	Benzothiazolyl Ureas are Low Micromolar and Uncompetitive Inhibitors of 17βHSD10 with Implications to Alzheimer's Disease Treatment. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
218	Taking advantage of cellular uptake of ferritin nanocages for targeted drug delivery. <i>Journal of Controlled Release</i> , <b>2020</b> , 325, 176-190	11.7	16
217	Glycosylated-imidazole aldoximes as reactivators of pesticides inhibited AChE: Synthesis and in-vitro reactivation study. <i>Environmental Toxicology and Pharmacology</i> , <b>2020</b> , 80, 103454	5.8	3
216	Recent advances with 5-HT modulators for neuropsychiatric and gastrointestinal disorders. <i>Medicinal Research Reviews</i> , <b>2020</b> , 40, 1593-1678	14.4	12
215	1,2,4-Triazole-based anticonvulsant agents with additional ROS scavenging activity are effective in a model of pharmacoresistant epilepsy. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2020</b> , 35, 993-1002	5.6	11
214	A stereoselective approach in preparation of β-lactam precursors for oxazolomycin synthesis. <i>Tetrahedron</i> , <b>2020</b> , 76, 131111	2.4	
213	Novel cholinesterase reactivators <b>2020</b> , 1161-1177		
212	Pharmacokinetics of a Mono-pyridinium-mono-aldoxime (K-347), a Potential Antidote in Organophosphate Poisoning. <i>Open Medicinal Chemistry Journal</i> , <b>2020</b> , 14, 99-107	1.2	1
211	Reply to Comment on "Cysteine-Targeted Insecticides against Acetylcholinesterase Are Neither Selective nor Reversible Inhibitors". <i>ACS Medicinal Chemistry Letters</i> , <b>2020</b> , 11, 1065-1066	4.3	
210	Synthesis, screening and molecular docking of isoquinolinium-5-carbaldoximes as acetylcholinesterase and butyrylcholinesterase reactivators. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2020</b> , 35, 478-488	5.6	12
209	Cysteine-Targeted Insecticides against Acetylcholinesterase Are Neither Selective nor Reversible Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , <b>2020</b> , 11, 65-71	4.3	6
208	An update on T-2 toxin and its modified forms: metabolism, immunotoxicity mechanism, and human exposure assessment. <i>Archives of Toxicology</i> , <b>2020</b> , 94, 3645-3669	5.8	19
207	Oxime K074 In vitro and in silico reactivation of acetylcholinesterase inhibited by nerve agents and pesticides. <i>Toxin Reviews</i> , <b>2020</b> , 39, 157-166	2.3	2
206	RNase T1 Refolding Assay for Determining Mitochondrial Cyclophilin D Activity: A Novel Method Applicable in Drug Research and Discovery. <i>Biochemistry</i> , <b>2020</b> , 59, 1680-1687	3.2	2

205	Friend or enemy? Review of 17EHD10 and its role in human health or disease. <i>Journal of Neurochemistry</i> , <b>2020</b> , 155, 231-249	6	7
204	Donepezil + chromone + melatonin hybrids as promising agents for Alzheimer's disease therapy. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2019</b> , 34, 479-489	5.6	29
203	Comparison of oximes K203 and K027 based on Benchmark dose analysis of rat diaphragmal acetylcholinesterase reactivation. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 308, 385-391	5	4
202	Surface screening, molecular modeling and in vitro studies on the interactions of aflatoxin M1 and human enzymes acetyl- and butyrylcholinesterase. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 308, 113-119	5	3
201	Butyrylcholinesterase inhibited by nerve agents is efficiently reactivated with chlorinated pyridinium oximes. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 307, 16-20	5	20
200	Molecular modeling studies on the interactions of aflatoxin B1 and its metabolites with the peripheral anionic site of human acetylcholinesterase. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2019</b> , 37, 2041-2048	3.6	14
199	Highly hydrophilic cationic gold nanorods stabilized by novel quaternary ammonium surfactant with negligible cytotoxicity. <i>Journal of Biophotonics</i> , <b>2019</b> , 12, e201900024	3.1	2
198	Reactivation potency of two novel oximes (K456 and K733) against paraoxon-inhibited acetyl and butyrylcholinesterase: In silico and in vitro models. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 310, 108735	5	2
197	Pharmacokinetics of K117 and K127, two novel antidote candidates to treat Tabun poisoning. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 310, 108737	5	3
196	Novel Benzothiazole-based Ureas as 17EHD10 Inhibitors, A Potential Alzheimer's Disease Treatment. <i>Molecules</i> , <b>2019</b> , 24,	4.8	7
195	Some Possibilities to Study New Prophylactics against Nerve Agents. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2019</b> , 19, 970-979	3.2	5
194	Dose-Dependent Tissue Distribution of K117, a Bis-pyridinium Aldoxime, in Rats. <i>Open Medicinal Chemistry Journal</i> , <b>2019</b> , 13, 1-6	1.2	3
193	Synthesis and Biological Evaluation of Novel Chromone+Donepezil Hybrids for Alzheimer's Disease Therapy. <i>Current Alzheimer Research</i> , <b>2019</b> , 16, 815-820	3	4
192	Oxime K203: a drug candidate for the treatment of tabun intoxication. <i>Archives of Toxicology</i> , <b>2019</b> , 93, 673-691	5.8	14
191	Experimental hydrophilic reactivator: bisoxime with three positive charges. <i>Chemical Papers</i> , <b>2019</b> , 73, 777-782	1.9	5
190	1-(Benzo[d]thiazol-2-yl)-3-phenylureas as dual inhibitors of casein kinase 1 and ABAD enzymes for treatment of neurodegenerative disorders. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2018</b> , 33, 665-670	5.6	18
189	In silico and in vitro evaluation of two novel oximes (K378 and K727) in comparison to K-27 and pralidoxime against paraoxon-ethyl intoxication. <i>Toxicology Mechanisms and Methods</i> , <b>2018</b> , 28, 62-68	3.6	4
188	Biological safety and tissue distribution of (16-mercaptohexadecyl)trimethylammonium bromide-modified cationic gold nanorods. <i>Biomaterials</i> , <b>2018</b> , 154, 275-290	15.6	22

187	Quantification through TLC-densitometric analysis, repellency and anticholinesterase activity of the homemade extract of Indian cloves. <i>Biomedical Chromatography</i> , <b>2018</b> , 32, e4096	1.7	6
186	Synthesis, Biological Evaluation, and Docking Studies of Novel Bisquaternary Aldoxime Reactivators on Acetylcholinesterase and Butyrylcholinesterase Inhibited by Paraoxon. <i>Molecules</i> , <b>2018</b> , 23,	4.8	9
185	A newly developed oxime K203 is the most effective reactivator of tabun-inhibited acetylcholinesterase. <i>BMC Pharmacology &amp; Toxicology</i> , <b>2018</b> , 19, 8	2.6	40
184	Development of small bisquaternary cholinesterase inhibitors as drugs for pre-treatment of nerve agent poisonings. <i>Drug Design, Development and Therapy</i> , <b>2018</b> , 12, 505-512	4.4	2
183	A Review of the Synthesis of Quaternary Acetylcholinesterase Reactivators. <i>Current Organic Chemistry</i> , <b>2018</b> , 22, 1619-1648	1.7	5
182	Oxime K033-Reactivation Activity of Cholinesterases Inhibited by Various Nerve Agents and Organophosphorus Pesticides. <i>Letters in Drug Design and Discovery</i> , <b>2018</b> , 15, 1124-1130	0.8	2
181	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> , <b>2018</b> , 14, 281-292	1.8	10
180	Effect of six oximes on acutely anticholinesterase inhibitor-induced oxidative stress in rat plasma and brain. <i>Archives of Toxicology</i> , <b>2018</b> , 92, 745-757	5.8	11
179	Comparison of Plasma and Brain Exposure Levels of Bis-pyridinium Oximes KR-22839 and KR-26256 with Asoxime and Obidoxime in Mice. <i>Bulletin of the Korean Chemical Society</i> , <b>2018</b> , 40, 5	1.2	1
178	QSAR Study of -Myristoyltransferase Inhibitors of Antimalarial Agents. <i>Molecules</i> , <b>2018</b> , 23,	4.8	5
177	Molecular Modeling Studies on the Interactions of Aflatoxin B1 and Its Metabolites with Human Acetylcholinesterase. Part II: Interactions with the Catalytic Anionic Site (CAS). <i>Toxins</i> , <b>2018</b> , 10,	4.9	3
176	Pyridinium Oximes with Ortho-Positioned Chlorine Moiety Exhibit Improved Physicochemical Properties and Efficient Reactivation of Human Acetylcholinesterase Inhibited by Several Nerve Agents. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 10753-10766	8.3	34
175	Dose-response modeling of reactivating potency of oximes K027 and K203 against a direct acetylcholinesterase inhibitor in rat erythrocytes. <i>Food and Chemical Toxicology</i> , <b>2018</b> , 121, 224-230	4.7	7
174	Novel Group of AChE Reactivators-Synthesis, In Vitro Reactivation and Molecular Docking Study. <i>Molecules</i> , <b>2018</b> , 23,	4.8	11
173	Vector Control and Insecticidal Resistance in the African Malaria Mosquito <i>Anopheles gambiae</i> . <i>Chemical Research in Toxicology</i> , <b>2018</b> , 31, 534-547	4	7
172	Progress in acetylcholinesterase reactivators and in the treatment of organophosphorus intoxication: a patent review (2006-2016). <i>Expert Opinion on Therapeutic Patents</i> , <b>2017</b> , 27, 971-985	6.8	24
171	Pharmacokinetic profile of promising acetylcholinesterase reactivators K027 and K203 in experimental pigs. <i>Toxicology Letters</i> , <b>2017</b> , 273, 20-25	4.4	12
170	Tetroxime: reactivation potency [In vitro and in silico study. <i>RSC Advances</i> , <b>2017</b> , 7, 7041-7045	3.7	4

169	A comparison of the reactivating and therapeutic efficacy of two novel bispyridinium oximes (K305, K307) with the oxime K203 and trimedoxime in tabun-poisoned rats and mice. <i>Journal of Applied Biomedicine</i> , <b>2017</b> , 15, 49-53	0.6	3
168	Synthesis and evaluation of frentizole-based indolyl thiourea analogues as MAO/ABAD inhibitors for Alzheimer's disease treatment. <i>Bioorganic and Medicinal Chemistry</i> , <b>2017</b> , 25, 1143-1152	3.4	25
167	Bis-isoquinolinium and bis-pyridinium acetylcholinesterase inhibitors: in vitro screening of probes for novel selective insecticides. <i>RSC Advances</i> , <b>2017</b> , 7, 39279-39291	3.7	3
166	[P1039]: IN VITRO EVALUATION OF BENZOTHAZOLE-BASED UREAS AS POTENTIAL ABAD/17βHSD10 MODULATORS FOR ALZHEIMER'S DISEASE THERAPEUTICS <b>2017</b> , 13, P249-P249		
165	Free Radicals and Antioxidants in Human Disease <b>2017</b> , 283-305		11
164	6-Benzothiazolyl Ureas, Thioureas and Guanidines are Potent Inhibitors of ABAD/17βHSD10 and Potential Drugs for Alzheimer's Disease Treatment: Design, Synthesis and in vitro Evaluation. <i>Medicinal Chemistry</i> , <b>2017</b> , 13, 345-358	1.8	11
163	HL7 - A REVIEW OF ACETYLCHOLINESTERASE REACTIVATOR AGAINST ORGANOPHOSPHOROUS INTOXICATION. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , <b>2017</b> , 86, 70-83	0.2	2
162	6-benzothiazolyl ureas, thioureas and guanidines are potent inhibitors of ABAD/17βHSD10 and potential drugs for Alzheimer's disease treatment: Design, synthesis and in vitro evaluation. <i>Medicinal Chemistry</i> , <b>2017</b> ,	1.8	4
161	Development and validation of a FIA/UV-vis method for pK(a) determination of oxime based acetylcholinesterase reactivators. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 117, 240-6	3.5	27
160	Redox- and non-redox-metal-induced formation of free radicals and their role in human disease. <i>Archives of Toxicology</i> , <b>2016</b> , 90, 1-37	5.8	507
159	Investigation of the reactivation kinetics of a large series of bispyridinium oximes with organophosphate-inhibited human acetylcholinesterase. <i>Toxicology Letters</i> , <b>2016</b> , 244, 136-142	4.4	36
158	Design, synthesis and in vitro evaluation of benzothiazole-based ureas as potential ABAD/17βHSD10 modulators for Alzheimer's disease treatment. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2016</b> , 26, 3675-8	2.9	17
157	Small Quaternary Inhibitors K298 and K524: Cholinesterases Inhibition, Absorption, Brain Distribution, and Toxicity. <i>Neurotoxicity Research</i> , <b>2016</b> , 29, 267-74	4.3	9
156	Monooxime Bispyridinium Reactivators Bearing Xylene Linker Synthesis and In Vitro Evaluation on Model of Organophosphate-Inhibited Acetylcholinesterase. <i>Medicinal Chemistry</i> , <b>2016</b> , 12, 362-70	1.8	
155	Design, Synthesis and in vitro Evaluation of Indolotacrine Analogues as Multitarget-Directed Ligands for the Treatment of Alzheimer's Disease. <i>ChemMedChem</i> , <b>2016</b> , 11, 1264-9	3.7	25
154	A 7-methoxytacrine-4-pyridinealdoxime hybrid as a novel prophylactic agent with reactivation properties in organophosphate intoxication. <i>Toxicology Research</i> , <b>2016</b> , 5, 1012-1016	2.6	20
153	Therapeutic and reactivating efficacy of oximes K027 and K203 against a direct acetylcholinesterase inhibitor. <i>NeuroToxicology</i> , <b>2016</b> , 55, 33-39	4.4	19
152	Oxime-mediated in vitro reactivation kinetic analysis of organophosphates-inhibited human and electric eel acetylcholinesterase. <i>Toxicology Mechanisms and Methods</i> , <b>2016</b> , 26, 319-26	3.6	6

151	SAR study to find optimal cholinesterase reactivator against organophosphorous nerve agents and pesticides. <i>Archives of Toxicology</i> , <b>2016</b> , 90, 2831-2859	5.8	59
150	Two-Step Mechanism of Cellular Uptake of Cationic Gold Nanoparticles Modified by (16-Mercaptohexadecyl)trimethylammonium Bromide. <i>Bioconjugate Chemistry</i> , <b>2016</b> , 27, 2558-2574	6.3	20
149	A comparison of the reactivating and therapeutic efficacy of two novel bispyridinium oximes (K727, K733) with the oxime HI-6 and obidoxime in sarin-poisoned rats and mice. <i>Toxicology Mechanisms and Methods</i> , <b>2015</b> , 25, 229-33	3.6	5
148	Catalytic Soman Scavenging by the Y337A/F338A Acetylcholinesterase Mutant Assisted with Novel Site-Directed Aldoximes. <i>Chemical Research in Toxicology</i> , <b>2015</b> , 28, 1036-44	4	35
147	Flavones Inhibit the Activity of AKR1B10, a Promising Therapeutic Target for Cancer Treatment. <i>Journal of Natural Products</i> , <b>2015</b> , 78, 2666-74	4.9	20
146	A comparison of the reactivating and therapeutic efficacy of two novel bispyridinium oximes (K920, K923) with the oxime K203 and trimedoxime in tabun-poisoned rats and mice. <i>Journal of Applied Biomedicine</i> , <b>2015</b> , 13, 299-304	0.6	1
145	Comparative determination of the efficacy of bispyridinium oximes in paraoxon poisoning. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , <b>2015</b> , 66, 129-34	1.7	17
144	Reactivation kinetics of 31 structurally different bispyridinium oximes with organophosphate-inhibited human butyrylcholinesterase. <i>Archives of Toxicology</i> , <b>2015</b> , 89, 405-14	5.8	22
143	Preparation of 7-Methoxy Tacrine Dimer Analogs and Their In vitro/In silico Evaluation as Potential Cholinesterase Inhibitors. <i>Bulletin of the Korean Chemical Society</i> , <b>2015</b> , 36, 1654-1660	1.2	9
142	Novel Cholinesterase Reactivators <b>2015</b> , 1071-1087		3
141	Development and Structural Modifications of Cholinesterase Reactivators against Chemical Warfare Agents in Last Decade: A Review. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2015</b> , 15, 58-72	3.2	46
140	Ligand-based 3D QSAR analysis of reactivation potency of mono- and bis-pyridinium aldoximes toward VX-inhibited rat acetylcholinesterase. <i>Journal of Molecular Graphics and Modelling</i> , <b>2015</b> , 56, 113-28	2.8	16
139	Design, synthesis and in vitro testing of 7-methoxytacrine-amantadine analogues: a novel cholinesterase inhibitors for the treatment of Alzheimer's disease. <i>Medicinal Chemistry Research</i> , <b>2015</b> , 24, 2645-2655	2.2	23
138	A comparison of the reactivating and therapeutic efficacy of two newly developed oximes (k727 and k733) with oxime k203 and trimedoxime in tabun-poisoned rats and mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2015</b> , 116, 367-71	3.1	10
137	Benzothiazoles - scaffold of interest for CNS targeted drugs. <i>Current Medicinal Chemistry</i> , <b>2015</b> , 22, 730-43	4.3	21
136	A Direct Interaction Between Mitochondrial Proteins and Amyloid- $\beta$ Peptide and its Significance for the Progression and Treatment of Alzheimer's Disease. <i>Current Medicinal Chemistry</i> , <b>2015</b> , 22, 1056 - 1085	4.3	29
135	Universality of Oxime K203 for Reactivation of Nerve Agent-Inhibited AChE. <i>Medicinal Chemistry</i> , <b>2015</b> , 11, 683-6	1.8	6
134	Retention behavior of pyridinium oximes on PFP stationary phase in high-performance liquid chromatography. <i>Journal of Chromatographic Science</i> , <b>2014</b> , 52, 246-51	1.4	9

133	In vivo evaluation of cholinesterase activity, oxidative stress markers, cyto- and genotoxicity of K048 oxime—promising antidote against organophosphate poisoning. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2014</b> , 114, 344-51	3.1	10
132	Structural modifications of dicationic acetylcholinesterase reactivators studied under ion-pairing mechanism in reversed-phase liquid chromatography. <i>Journal of Separation Science</i> , <b>2014</b> , 37, 3024-32	3.4	3
131	6-Hydroxyquinolinium salts differing in the length of alkyl side-chain: synthesis and antimicrobial activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 5238-41	2.9	24
130	Assessment of antidotal efficacy of cholinesterase reactivators against paraoxon: In vitro reactivation kinetics and physicochemical properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 4743-4748	2.9	15
129	Interaction of cholinesterase modulators with DNA and their cytotoxic activity. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 64, 53-62	7.9	6
128	Cholinergic antagonist 3-quinuclidinyl benzilate - Impact on learning and memory in Wistar rats. <i>Behavioural Brain Research</i> , <b>2014</b> , 266, 193-200	3.4	10
127	Comparison of the neuroprotective effects of a novel bispyridinium oxime KR-22934 with the oxime K203 and obidoxime in tabun-poisoned male rats. <i>Journal of Applied Biomedicine</i> , <b>2014</b> , 12, 111-117	0.6	6
126	7-MEOTA-donepezil like compounds as cholinesterase inhibitors: Synthesis, pharmacological evaluation, molecular modeling and QSAR studies. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 82, 426-38	6.8	70
125	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. <i>Toxicology Mechanisms and Methods</i> , <b>2014</b> , 24, 173-8	3.6	6
124	Pharmacotherapy of Alzheimer's Disease: Current State and Future Perspectives <b>2014</b> , 3-39		2
123	From pyridinium-based to centrally active acetylcholinesterase reactivators. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2014</b> , 14, 215-21	3.2	39
122	Preparation, in vitro screening and molecular modelling of monoquateryary compounds related to the selective acetylcholinesterase inhibitor BW284c51. <i>Medicinal Chemistry</i> , <b>2014</b> , 11, 21-9	1.8	4
121	The interaction of quaternary reversible acetylcholinesterase inhibitors with the nicotinic receptor. <i>Physiological Research</i> , <b>2014</b> , 63, 771-7	2.1	6
120	Novel cholinesterase modulators and their ability to interact with DNA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 115, 364-9	4.4	2
119	Preparation, in vitro evaluation and molecular modelling of pyridinium-quinolinium/isoquinolinium non-symmetrical bisquateryary cholinesterase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 6663-6	2.9	9
118	Time-dependent changes of oxime K027 concentrations in different parts of rat central nervous system. <i>Neurotoxicity Research</i> , <b>2013</b> , 23, 63-8	4.3	18
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103	Chemistry of fullerene epoxides: synthesis, structure, and nucleophilic substitution-addition reactivity. <i>Molecules</i> , <b>2012</b> , 17, 6395-414	4.8	24
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