

## List of Publications by Citations

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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.

248 papers	8,124 citations	45 h-index	78 g-index
253 ext. papers	8,809 ext. citations	4.6 avg, IF	5.96 L-index

#	Paper	IF	Citations
248	Improved determination of acetylcholinesterase activity in human whole blood. <i>Clinica Chimica Acta</i> , <b>1999</b> , 288, 73-90	6.2	405
247	Kinetic analysis of interactions between human acetylcholinesterase, structurally different organophosphorus compounds and oximes. <i>Biochemical Pharmacology</i> , <b>2004</b> , 68, 2237-48	6	377
246	Molar absorption coefficients for the reduced Ellman reagent: reassessment. <i>Analytical Biochemistry</i> , <b>2003</b> , 312, 224-7	3.1	361
245	Differences between organophosphorus insecticides in human self-poisoning: a prospective cohort study. <i>Lancet, The</i> , <b>2005</b> , 366, 1452-9	4.0	282
244	Reactivation kinetics of acetylcholinesterase from different species inhibited by highly toxic organophosphates. <i>Archives of Toxicology</i> , <b>2002</b> , 76, 523-9	5.8	212
243	Uptake mechanism of ApoE-modified nanoparticles on brain capillary endothelial cells as a blood-brain barrier model. <i>PLoS ONE</i> , <b>2012</b> , 7, e32568	3.7	167
242	Respiratory failure in acute organophosphorus pesticide self-poisoning. <i>QJM - Monthly Journal of the Association of Physicians</i> , <b>2006</b> , 99, 513-22	2.7	164
241	Dimethylphosphoryl-inhibited human cholinesterases: inhibition, reactivation, and aging kinetics. <i>Archives of Toxicology</i> , <b>1999</b> , 73, 7-14	5.8	146
240	Reappraisal of indications and limitations of oxime therapy in organophosphate poisoning. <i>Human and Experimental Toxicology</i> , <b>1997</b> , 16, 466-72	3.4	137
239	Fatal sarin poisoning in Syria 2013: forensic verification within an international laboratory network. <i>Forensic Toxicology</i> , <b>2018</b> , 36, 61-71	2.6	129
238	Reactivating potency of obidoxime, pralidoxime, HI 6 and HL7 in human erythrocyte acetylcholinesterase inhibited by highly toxic organophosphorus compounds. <i>Archives of Toxicology</i> , <b>1998</b> , 72, 237-43	5.8	129
237	Modern strategies in therapy of organophosphate poisoning. <i>Toxicology Letters</i> , <b>1999</b> , 107, 233-9	4.4	124
236	Diagnostic aspects of organophosphate poisoning. <i>Toxicology</i> , <b>2005</b> , 214, 182-9	4.4	121
235	The value of novel oximes for treatment of poisoning by organophosphorus compounds. <i>Pharmacology &amp; Therapeutics</i> , <b>2013</b> , 139, 249-59	13.9	117
234	Pralidoxime in acute organophosphorus insecticide poisoning--a randomised controlled trial. <i>PLoS Medicine</i> , <b>2009</b> , 6, e1000104	11.6	114
233	Limitations and challenges in treatment of acute chemical warfare agent poisoning. <i>Chemico-Biological Interactions</i> , <b>2013</b> , 206, 435-43	5	108
232	Recent advances in evaluation of oxime efficacy in nerve agent poisoning by in vitro analysis. <i>Toxicology and Applied Pharmacology</i> , <b>2007</b> , 219, 226-34	4.6	105

231	Analysis of inhibition, reactivation and aging kinetics of highly toxic organophosphorus compounds with human and pig acetylcholinesterase. <i>Toxicology</i> , <b>2006</b> , 224, 91-9	4.4	101
230	LC-MS-based procedures for monitoring of toxic organophosphorus compounds and verification of pesticide and nerve agent poisoning. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 391, 97-116	4.4	98
229	Oximes in organophosphate poisoning: 60 years of hope and despair. <i>Chemico-Biological Interactions</i> , <b>2016</b> , 259, 93-98	5	96
228	Reactivation by various oximes of human erythrocyte acetylcholinesterase inhibited by different organophosphorus compounds. <i>Archives of Toxicology</i> , <b>1996</b> , 70, 497-503	5.8	91
227	Human parathion poisoning. A toxicokinetic analysis. <i>Toxicological Reviews</i> , <b>2003</b> , 22, 143-63		88
226	A role for solvents in the toxicity of agricultural organophosphorus pesticides. <i>Toxicology</i> , <b>2012</b> , 294, 94-103	4.4	85
225	HL7 dimethanesulfonate, a potent bispyridinium-dioxime against anticholinesterases. <i>Archives of Toxicology</i> , <b>1992</b> , 66, 603-21	5.8	79
224	Correlation between red blood cell acetylcholinesterase activity and neuromuscular transmission in organophosphate poisoning. <i>Chemico-Biological Interactions</i> , <b>2005</b> , 157-158, 345-7	5	76
223	Kinetic analysis of reactivation and aging of human acetylcholinesterase inhibited by different phosphoramidates. <i>Biochemical Pharmacology</i> , <b>2007</b> , 73, 1807-17	6	71
222	Determination of acetylcholinesterase activity by the Ellman assay: a versatile tool for in vitro research on medical countermeasures against organophosphate poisoning. <i>Drug Testing and Analysis</i> , <b>2012</b> , 4, 282-91	3.5	69
221	Inhibition, reactivation and aging kinetics of cyclohexylmethylphosphonofluoridate-inhibited human cholinesterases. <i>Archives of Toxicology</i> , <b>1998</b> , 72, 580-7	5.8	65
220	Toxicology of organophosphorus compounds in view of an increasing terrorist threat. <i>Archives of Toxicology</i> , <b>2016</b> , 90, 2131-2145	5.8	62
219	Structure-activity analysis of aging and reactivation of human butyrylcholinesterase inhibited by analogues of tabun. <i>Biochemical Journal</i> , <b>2009</b> , 421, 97-106	3.8	56
218	Evaluation of oxime efficacy in nerve agent poisoning: development of a kinetic-based dynamic model. <i>Toxicology and Applied Pharmacology</i> , <b>2005</b> , 209, 193-202	4.6	56
217	Suitability of human butyrylcholinesterase as therapeutic marker and pseudo catalytic scavenger in organophosphate poisoning: a kinetic analysis. <i>Toxicology</i> , <b>2009</b> , 259, 133-9	4.4	54
216	HI 6 human serum albumin nanoparticles--development and transport over an in vitro blood-brain barrier model. <i>Toxicology Letters</i> , <b>2011</b> , 206, 60-6	4.4	52
215	Nanoparticulate transport of oximes over an in vitro blood-brain barrier model. <i>PLoS ONE</i> , <b>2010</b> , 5, e14213	3.7	52
214	A structure-activity analysis of the variation in oxime efficacy against nerve agents. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 231, 157-64	4.6	52

213	Predicting outcome using butyrylcholinesterase activity in organophosphorus pesticide self-poisoning. <i>QJM - Monthly Journal of the Association of Physicians</i> , <b>2008</b> , 101, 467-74	2.7	50
212	Poisoning with the S-Alkyl organophosphorus insecticides profenofos and prothiofos. <i>QJM - Monthly Journal of the Association of Physicians</i> , <b>2009</b> , 102, 785-92	2.7	49
211	Enzyme-kinetic investigation of different sarin analogues reacting with human acetylcholinesterase and butyrylcholinesterase. <i>Toxicology</i> , <b>2007</b> , 233, 166-72	4.4	48
210	Inhibitory potency against human acetylcholinesterase and enzymatic hydrolysis of fluorogenic nerve agent mimics by human paraoxonase 1 and squid diisopropyl fluorophosphatase. <i>Biochemistry</i> , <b>2008</b> , 47, 5216-24	3.2	47
209	Inhibition, reactivation and aging kinetics of highly toxic organophosphorus compounds: pig versus minipig acetylcholinesterase. <i>Toxicology</i> , <b>2008</b> , 244, 35-41	4.4	47
208	Reactivation kinetics of a series of related bispyridinium oximes with organophosphate-inhibited human acetylcholinesterase--Structure-activity relationships. <i>Biochemical Pharmacology</i> , <b>2012</b> , 83, 1700-6	6	46
207	Lessons to be learnt from organophosphorus pesticide poisoning for the treatment of nerve agent poisoning. <i>Toxicology</i> , <b>2007</b> , 233, 145-54	4.4	46
206	Kinetic analysis of the protection afforded by reversible inhibitors against irreversible inhibition of acetylcholinesterase by highly toxic organophosphorus compounds. <i>Biochemical Pharmacology</i> , <b>2006</b> , 72, 344-57	6	46
205	Efficacy of the rePON1 mutant IIG1 to prevent cyclosarin toxicity in vivo and to detoxify structurally different nerve agents in vitro. <i>Archives of Toxicology</i> , <b>2014</b> , 88, 1257-66	5.8	45
204	Testing of antidotes for organophosphorus compounds: experimental procedures and clinical reality. <i>Toxicology</i> , <b>2007</b> , 233, 108-19	4.4	45
203	Chromatographic resolution, characterisation and quantification of VX enantiomers in hemolysed swine blood samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2008</b> , 873, 86-94	3.2	45
202	Effect of human plasma on the reactivation of sarin-inhibited human erythrocyte acetylcholinesterase. <i>Archives of Toxicology</i> , <b>2000</b> , 74, 21-6	5.8	44
201	Swine models in the design of more effective medical countermeasures against organophosphorus poisoning. <i>Toxicology</i> , <b>2007</b> , 233, 128-44	4.4	43
200	Organophosphorus compounds and oximes: a critical review. <i>Archives of Toxicology</i> , <b>2020</b> , 94, 2275-2292	5.8	42
199	Obidoxime in acute organophosphate poisoning: 1 - clinical effectiveness. <i>Clinical Toxicology</i> , <b>2009</b> , 47, 798-806	2.9	42
198	Extreme variability in the formation of chlorpyrifos oxon (CPO) in patients poisoned by chlorpyrifos (CPF). <i>Biochemical Pharmacology</i> , <b>2009</b> , 78, 531-7	6	41
197	Formation and disposition of diethylphosphoryl-obidoxime, a potent anticholinesterase that is hydrolyzed by human paraoxonase (PON1). <i>Biochemical Pharmacology</i> , <b>2005</b> , 69, 1853-67	6	41
196	Reactivation of organophosphate-inhibited human AChE by combinations of obidoxime and HI 6 in vitro. <i>Journal of Applied Toxicology</i> , <b>2007</b> , 27, 582-8	4.1	40

195	Simultaneous quantification of the organophosphorus pesticides dimethoate and omethoate in porcine plasma and urine by LC-ESI-MS/MS and flow-injection-ESI-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2010</b> , 878, 1234-45	3.2	39
194	Structure of a prereaction complex between the nerve agent sarin, its biological target acetylcholinesterase, and the antidote HI-6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 5514-9	11.5	39
193	Catalytic bioscavengers in nerve agent poisoning: A promising approach?. <i>Toxicology Letters</i> , <b>2016</b> , 244, 143-148	4.4	38
192	The phosphoryl oxime-destroying activity of human plasma. <i>Archives of Toxicology</i> , <b>2000</b> , 74, 27-32	5.8	38
191	Improving the promiscuous nerve agent hydrolase activity of a thermostable archaeal lactonase. <i>Bioresource Technology</i> , <b>2010</b> , 101, 9204-12	11	37
190	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
189	Restoration of soman-blocked neuromuscular transmission in human and rat muscle by the bispyridinium non-oxime MB327 in vitro. <i>Toxicology</i> , <b>2012</b> , 294, 80-4	4.4	36
188	Catalytic efficiencies of directly evolved phosphotriesterase variants with structurally different organophosphorus compounds in vitro. <i>Archives of Toxicology</i> , <b>2016</b> , 90, 2711-2724	5.8	35
187	Highly efficient cyclosarin degradation mediated by a cyclodextrin derivative containing an oxime-derived substituent. <i>Beilstein Journal of Organic Chemistry</i> , <b>2011</b> , 7, 1543-54	2.5	35
186	Adsorption of obidoxime onto human serum albumin nanoparticles: drug loading, particle size and drug release. <i>Journal of Microencapsulation</i> , <b>2010</b> , 27, 506-13	3.4	35
185	The NADPH oxidase inhibitor diphenyleneiodonium is also a potent inhibitor of cholinesterases and the internal Ca(2+) pump. <i>British Journal of Pharmacology</i> , <b>2009</b> , 158, 790-6	8.6	35
184	Detoxification of nerve agents by a substituted beta-cyclodextrin: application of a modified biological assay. <i>Toxicology</i> , <b>2009</b> , 265, 96-100	4.4	35
183	Obidoxime in acute organophosphate poisoning: 2 - PK/PD relationships. <i>Clinical Toxicology</i> , <b>2009</b> , 47, 807-13	2.9	35
182	Post-exposure treatment of VX poisoned guinea pigs with the engineered phosphotriesterase mutant C23: a proof-of-concept study. <i>Toxicology Letters</i> , <b>2014</b> , 231, 45-54	4.4	34
181	Development of antidotes: problems and strategies. <i>Toxicology</i> , <b>2007</b> , 233, 23-30	4.4	34
180	An efficient thermostable organophosphate hydrolase and its application in pesticide decontamination. <i>Biotechnology and Bioengineering</i> , <b>2016</b> , 113, 724-34	4.9	33
179	Reversible inhibition of acetylcholinesterase by carbamates or huperzine A increases residual activity of the enzyme upon soman challenge. <i>Toxicology</i> , <b>2007</b> , 233, 180-6	4.4	33
178	Kinetic analysis of interactions of paraoxon and oximes with human, Rhesus monkey, swine, rabbit, rat and guinea pig acetylcholinesterase. <i>Toxicology Letters</i> , <b>2011</b> , 200, 19-23	4.4	32

177	Detoxification of VX and Other V-Type Nerve Agents in Water at 37 °C and pH 7.4 by Substituted Sulfonatocalix[4]arenes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 12668-72	16.4	30
176	Tabun scavengers based on hydroxamic acid containing cyclodextrins. <i>Chemical Communications</i> , <b>2013</b> , 49, 3425-7	5.8	30
175	Reactivation of organophosphate-inhibited human, Cynomolgus monkey, swine and guinea pig acetylcholinesterase by MMB-4: a modified kinetic approach. <i>Toxicology and Applied Pharmacology</i> , <b>2010</b> , 249, 231-7	4.6	30
174	Development and application of procedures for the highly sensitive quantification of cyclosarin enantiomers in hemolysed swine blood samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2007</b> , 859, 9-15	3.2	30
173	Effects of oximes on muscle force and acetylcholinesterase activity in isolated mouse hemidiaphragms exposed to paraoxon. <i>Toxicology</i> , <b>2005</b> , 214, 190-7	4.4	30
172	Interaction of bispyridinium compounds with the orthosteric binding site of human $\alpha_7$ and Torpedo californica nicotinic acetylcholine receptors (nAChRs). <i>Toxicology Letters</i> , <b>2011</b> , 206, 100-4	4.4	29
171	Reactivation of tabun-hAChE investigated by structurally analogous oximes and mutagenesis. <i>Toxicology</i> , <b>2009</b> , 265, 108-14	4.4	29
170	Preparation and characterization of dialkylphosphoryl-obidoxime conjugates, potent anticholinesterase derivatives that are quickly hydrolyzed by human paraoxonase (PON1192Q). <i>Biochemical Pharmacology</i> , <b>2007</b> , 74, 1390-400	6	29
169	Reactivation kinetics of a homologous series of bispyridinium bis-oximes with nerve agent-inhibited human acetylcholinesterase. <i>Archives of Toxicology</i> , <b>2012</b> , 86, 1379-86	5.8	28
168	Simultaneous quantification of VX and its toxic metabolite in blood and plasma samples and its application for in vivo and in vitro toxicological studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2011</b> , 879, 2704-13	3.2	28
167	Atropine maintenance dosage in patients with severe organophosphate pesticide poisoning. <i>Toxicology Letters</i> , <b>2011</b> , 206, 77-83	4.4	28
166	Comparison of the oxime-induced reactivation of erythrocyte and muscle acetylcholinesterase following inhibition by sarin or paraoxon, using a perfusion model for the real-time determination of membrane-bound acetylcholinesterase activity. <i>Biochemical Pharmacology</i> , <b>2008</b> , 75, 698-703	6	28
165	Drug development for the management of organophosphorus poisoning. <i>Expert Opinion on Drug Discovery</i> , <b>2013</b> , 8, 1467-77	6.2	27
164	New modified $\beta$ -cyclodextrin derivatives as detoxifying agents of chemical warfare agents (I). Synthesis and preliminary screening: evaluation of the detoxification using a half-quantitative enzymatic assay. <i>Toxicology Letters</i> , <b>2013</b> , 216, 200-5	4.4	27
163	Evaluation of the Test-mate ChE (cholinesterase) field kit in acute organophosphorus poisoning. <i>Annals of Emergency Medicine</i> , <b>2011</b> , 58, 559-564.e6	2.1	27
162	Red blood cell acetylcholinesterase and plasma butyrylcholinesterase status: important indicators for the treatment of patients poisoned by organophosphorus compounds. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , <b>2007</b> , 58, 359-66	1.7	27
161	Reactivation and aging kinetics of human acetylcholinesterase inhibited by organophosphorylcholines. <i>Archives of Toxicology</i> , <b>2004</b> , 78, 212-7	5.8	27
160	Forensic evidence of sulfur mustard exposure in real cases of human poisoning by detection of diverse albumin-derived protein adducts. <i>Archives of Toxicology</i> , <b>2019</b> , 93, 1881-1891	5.8	26



159	Freeze-drying of HI-6-loaded recombinant human serum albumin nanoparticles for improved storage stability. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2014</b> , 88, 510-7	5.7	26
158	GC-MS and LC-MS analysis of nerve agents in body fluids: intra-laboratory verification test using spiked plasma and urine samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2010</b> , 878, 1226-33	3.2	26
157	In vitro detoxification of cyclosarin (GF) by modified cyclodextrins. <i>Toxicology Letters</i> , <b>2011</b> , 200, 53-8	4.4	25
156	Optimized strategies to synthesize $\beta$ -cyclodextrin-oxime conjugates as a new generation of organophosphate scavengers. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 3026-32	3.9	25
155	Effect of atropine and bispyridinium oximes on respiratory and circulatory function in guinea-pigs poisoned by sarin. <i>Toxicology</i> , <b>1995</b> , 95, 123-33	4.4	25
154	Discovery of a potent non-oxime reactivator of nerve agent inhibited human acetylcholinesterase. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 157, 151-160	6.8	24
153	Detoxification of organophosphorus pesticides and nerve agents through RSDL: efficacy evaluation by $(31)\text{P}$ NMR spectroscopy. <i>Toxicology Letters</i> , <b>2015</b> , 233, 207-13	4.4	24
152	In vitro and in vivo toxicological studies of V nerve agents: molecular and stereoselective aspects. <i>Toxicology Letters</i> , <b>2015</b> , 232, 438-48	4.4	23
151	Detoxification of alkyl methylphosphonofluoridates by an oxime-substituted $\beta$ -cyclodextrin--an in vitro structure-activity study. <i>Toxicology Letters</i> , <b>2014</b> , 224, 209-14	4.4	23
150	Bispyridinium Compounds Inhibit Both Muscle and Neuronal Nicotinic Acetylcholine Receptors in Human Cell Lines. <i>PLoS ONE</i> , <b>2015</b> , 10, e0135811	3.7	23
149	In vitro kinetic interactions of pyridostigmine, physostigmine and soman with erythrocyte and muscle acetylcholinesterase from different species. <i>Toxicology Letters</i> , <b>2011</b> , 206, 41-6	4.4	23
148	Monitoring of neuromuscular transmission in organophosphate pesticide-poisoned patients. <i>Toxicology Letters</i> , <b>2009</b> , 191, 297-304	4.4	23
147	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
146	Functionalized cyclodextrins bearing an alpha nucleophile--a promising way to degrade nerve agents. <i>Chemico-Biological Interactions</i> , <b>2013</b> , 203, 202-7	5	22
145	Identical kinetics of human erythrocyte and muscle acetylcholinesterase with respect to carbamate pre-treatment, residual activity upon soman challenge and spontaneous reactivation after withdrawal of the inhibitors. <i>Toxicology</i> , <b>2008</b> , 246, 188-92	4.4	22
144	Single treatment of VX poisoned guinea pigs with the phosphotriesterase mutant C23AL: Intraosseous versus intravenous injection. <i>Toxicology Letters</i> , <b>2016</b> , 258, 198-206	4.4	21
143	Effectiveness of a substituted $\beta$ -cyclodextrin to prevent cyclosarin toxicity in vivo. <i>Toxicology Letters</i> , <b>2014</b> , 226, 222-7	4.4	21
142	Toxicokinetic Aspects of Nerve Agents and Vesicants <b>2015</b> , 817-856		21

141	Development of a dynamic model for real-time determination of membrane-bound acetylcholinesterase activity upon perfusion with inhibitors and reactivators. <i>Biochemical Pharmacology</i> , <b>2006</b> , 72, 358-65	6	21
140	Equipotent cholinesterase reactivation in vitro by the nerve agent antidotes HI 6 dichloride and HI 6 dimethanesulfonate. <i>Archives of Toxicology</i> , <b>2002</b> , 76, 589-95	5.8	21
139	Small-scale purification of butyrylcholinesterase from human plasma and implementation of a LC-UV/ESI MS/MS method to detect its organophosphorus adducts. <i>Drug Testing and Analysis</i> , <b>2015</b> , 7, 947-56	3.5	20
138	Detoxification of tabun at physiological pH mediated by substituted $\beta$ -cyclodextrin and glucose derivatives containing oxime groups. <i>Toxicology</i> , <b>2012</b> , 302, 163-71	4.4	20
137	Pharmacokinetics of obidoxime in patients poisoned with organophosphorus compounds. <i>Toxicology Letters</i> , <b>2010</b> , 197, 236-42	4.4	20
136	Modification of human serum albumin by the nerve agent VX: microbore liquid chromatography/electrospray ionization high-resolution time-of-flight tandem mass spectrometry method for detection of phosphonylated tyrosine and novel cysteine containing disulfide adducts. <i>Journal of Mass Spectrometry</i> , <b>2016</b> , 51, 2151-2160	2.2	20
135	Affinities of bispyridinium non-oxime compounds to [(3)H]epibatidine binding sites of Torpedo californica nicotinic acetylcholine receptors depend on linker length. <i>Chemico-Biological Interactions</i> , <b>2013</b> , 206, 545-54	5	19
134	Toxicokinetics of tabun enantiomers in anaesthetized swine after intravenous tabun administration. <i>Toxicology Letters</i> , <b>2010</b> , 198, 177-81	4.4	19
133	On-site analysis of acetylcholinesterase and butyrylcholinesterase activity with the ChE check mobile test kit-Determination of reference values and their relevance for diagnosis of exposure to organophosphorus compounds. <i>Toxicology Letters</i> , <b>2016</b> , 249, 22-8	4.4	19
132	Oximes305-329		19
131	Bioanalytical verification of V-type nerve agent exposure: simultaneous detection of phosphonylated tyrosines and cysteine-containing disulfide-adducts derived from human albumin. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 1463-1474	4.4	18
130	New modified $\beta$ -cyclodextrin derivatives as detoxifying agents of chemical warfare agents (II). In vitro detoxification of cyclosarin (GF): general screening and toxicokinetic aspects of OP scavengers. <i>Toxicology Letters</i> , <b>2013</b> , 216, 206-12	4.4	18
129	Development and validation of a sensitive gas chromatography-ammonia chemical ionization mass spectrometry method for the determination of tabun enantiomers in hemolysed blood and plasma of different species. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2010</b> , 878, 1290-6	3.2	18
128	Paradox findings may challenge orthodox reasoning in acute organophosphate poisoning. <i>Chemico-Biological Interactions</i> , <b>2010</b> , 187, 270-8	5	18
127	Aging mechanism of butyrylcholinesterase inhibited by an N-methyl analogue of tabun: implications of the trigonal-bipyramidal transition state rearrangement for the phosphorylation or reactivation of cholinesterases. <i>Chemico-Biological Interactions</i> , <b>2010</b> , 187, 44-8	5	18
126	Comparative kinetics of organophosphates and oximes with erythrocyte, muscle and brain acetylcholinesterase. <i>Toxicology Letters</i> , <b>2012</b> , 209, 173-8	4.4	17
125	In vitro kinetic interactions of DEET, pyridostigmine and organophosphorus pesticides with human cholinesterases. <i>Chemico-Biological Interactions</i> , <b>2011</b> , 190, 79-83	5	17
124	Kinetic analysis of interactions between alkylene-linked bis-pyridiniumaldoximes and human acetylcholinesterases inhibited by various organophosphorus compounds. <i>Biochemical Pharmacology</i> , <b>2010</b> , 80, 941-6	6	17



123	Assessment of neuromuscular dysfunction during poisoning by organophosphorus compounds. <i>Chemico-Biological Interactions</i> , <b>2010</b> , 187, 265-9	5	17
122	Competition radioligand binding assays for the investigation of bispyridinium compound affinities to the human muscarinic acetylcholine receptor subtype 5 (hM(5)). <i>Drug Testing and Analysis</i> , <b>2012</b> , 4, 292-7	3.5	16
121	Structural requirements for effective oximes--evaluation of kinetic in vitro data with phosphylated human AChE and structurally different oximes. <i>Chemico-Biological Interactions</i> , <b>2013</b> , 203, 125-8	5	16
120	Reactivation of plasma butyrylcholinesterase by pralidoxime chloride in patients poisoned by WHO class II toxicity organophosphorus insecticides. <i>Toxicological Sciences</i> , <b>2013</b> , 136, 274-83	4.4	16
119	The therapeutic use of localized cooling in the treatment of VX poisoning. <i>Toxicology Letters</i> , <b>2011</b> , 204, 52-6	4.4	16
118	Immobilization of Russian VX skin depots by localized cooling: implications for decontamination and medical countermeasures. <i>Toxicology Letters</i> , <b>2011</b> , 206, 47-53	4.4	16
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107	Effect of MB327 and oximes on rat intestinal smooth muscle function. <i>Chemico-Biological Interactions</i> , <b>2013</b> , 204, 1-5	5	14
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104	Application of kinetic-based computer modelling to evaluate the efficacy of HI 6 in percutaneous VX poisoning. <i>Toxicology</i> , <b>2006</b> , 224, 74-80	4.4	14
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102	Functional analysis of Torpedo californica nicotinic acetylcholine receptors in multiple activation states by SSM-based electrophysiology. <i>Toxicology Letters</i> , <b>2016</b> , 247, 1-10	4.4	13
101	Investigation of kinetic interactions between approved oximes and human acetylcholinesterase inhibited by pesticide carbamates. <i>Chemico-Biological Interactions</i> , <b>2013</b> , 206, 569-72	5	13
100	Precision cut lung slices as test system for candidate therapeutics in organophosphate poisoning. <i>Toxicology</i> , <b>2017</b> , 389, 94-100	4.4	13
99	Kinetic analysis of interactions of different sarin and tabun analogues with human acetylcholinesterase and oximes: is there a structure-activity relationship?. <i>Chemico-Biological Interactions</i> , <b>2010</b> , 187, 215-9	5	13
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96	Elimination kinetics and molecular reaction mechanisms of cyclosarin (GF) by an oxime substituted Cyclodextrin derivative in vitro. <i>Toxicology Letters</i> , <b>2015</b> , 239, 41-52	4.4	12
95	Reactivation of organophosphate-inhibited human acetylcholinesterase by isonitrosoacetone (MINA): a kinetic analysis. <i>Chemico-Biological Interactions</i> , <b>2011</b> , 194, 91-6	5	12
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