

# Franz Worek

## List of Publications by Year in descending order

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250  
papers

9,592  
citations

47006

47  
h-index

53230

85  
g-index

253  
all docs

253  
docs citations

253  
times ranked

5225  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved determination of acetylcholinesterase activity in human whole blood. <i>Clinica Chimica Acta</i> , 1999, 288, 73-90.	1.1	465
2	Molar absorption coefficients for the reduced Ellman reagent: reassessment. <i>Analytical Biochemistry</i> , 2003, 312, 224-227.	2.4	435
3	Kinetic analysis of interactions between human acetylcholinesterase, structurally different organophosphorus compounds and oximes. <i>Biochemical Pharmacology</i> , 2004, 68, 2237-2248.	4.4	434
4	Differences between organophosphorus insecticides in human self-poisoning: a prospective cohort study. <i>Lancet, The</i> , 2005, 366, 1452-1459.	13.7	327
5	Reactivation kinetics of acetylcholinesterase from different species inhibited by highly toxic organophosphates. <i>Archives of Toxicology</i> , 2002, 76, 523-529.	4.2	241
6	Uptake Mechanism of ApoE-Modified Nanoparticles on Brain Capillary Endothelial Cells as a Blood-Brain Barrier Model. <i>PLoS ONE</i> , 2012, 7, e32568.	2.5	197
7	Respiratory failure in acute organophosphorus pesticide self-poisoning. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2006, 99, 513-522.	0.5	193
8	Fatal sarin poisoning in Syria 2013: forensic verification within an international laboratory network. <i>Forensic Toxicology</i> , 2018, 36, 61-71.	2.4	169
9	Dimethylphosphoryl-inhibited human cholinesterases: inhibition, reactivation, and aging kinetics. <i>Archives of Toxicology</i> , 1999, 73, 7-14.	4.2	158
10	Reappraisal of indications and limitations of oxime therapy in organophosphate poisoning. <i>Human and Experimental Toxicology</i> , 1997, 16, 466-472.	2.2	151
11	Pralidoxime in Acute Organophosphorus Insecticide Poisoning—A Randomised Controlled Trial. <i>PLoS Medicine</i> , 2009, 6, e1000104.	8.4	141
12	Reactivating potency of obidoxime, pralidoxime, HI 6 and HLÅ¶ 7 in human erythrocyte acetylcholinesterase inhibited by highly toxic organophosphorus compounds. <i>Archives of Toxicology</i> , 1998, 72, 237-243.	4.2	137
13	Modern strategies in therapy of organophosphate poisoning. <i>Toxicology Letters</i> , 1999, 107, 233-239.	0.8	137
14	Diagnostic aspects of organophosphate poisoning. <i>Toxicology</i> , 2005, 214, 182-189.	4.2	136
15	The value of novel oximes for treatment of poisoning by organophosphorus compounds. , 2013, 139, 249-259.		131
16	Limitations and challenges in treatment of acute chemical warfare agent poisoning. <i>Chemico-Biological Interactions</i> , 2013, 206, 435-443.	4.0	128
17	Oximes in organophosphate poisoning: 60 years of hope and despair. <i>Chemico-Biological Interactions</i> , 2016, 259, 93-98.	4.0	123
18	Analysis of inhibition, reactivation and aging kinetics of highly toxic organophosphorus compounds with human and pig acetylcholinesterase. <i>Toxicology</i> , 2006, 224, 91-99.	4.2	112

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19	Recent advances in evaluation of oxime efficacy in nerve agent poisoning by in vitro analysis. <i>Toxicology and Applied Pharmacology</i> , 2007, 219, 226-234.	2.8	112
20	LC-MS-based procedures for monitoring of toxic organophosphorus compounds and verification of pesticide and nerve agent poisoning. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 97-116.	3.7	109
21	A role for solvents in the toxicity of agricultural organophosphorus pesticides. <i>Toxicology</i> , 2012, 294, 94-103.	4.2	101
22	Human Parathion Poisoning. <i>Toxicological Reviews</i> , 2003, 22, 143-163.	2.5	97
23	Reactivation by various oximes of human erythrocyte acetylcholinesterase inhibited by different organophosphorus compounds. <i>Archives of Toxicology</i> , 1996, 70, 497-503.	4.2	96
24	Organophosphorus compounds and oximes: a critical review. <i>Archives of Toxicology</i> , 2020, 94, 2275-2292.	4.2	95
25	Toxicology of organophosphorus compounds in view of an increasing terrorist threat. <i>Archives of Toxicology</i> , 2016, 90, 2131-2145.	4.2	93
26	Determination of acetylcholinesterase activity by the Ellman assay: A versatile tool for <i>in vitro</i> research on medical countermeasures against organophosphate poisoning. <i>Drug Testing and Analysis</i> , 2012, 4, 282-291.	2.6	92
27	Correlation between red blood cell acetylcholinesterase activity and neuromuscular transmission in organophosphate poisoning. <i>Chemico-Biological Interactions</i> , 2005, 157-158, 345-347.	4.0	90
28	HLA $\alpha$ 7 dimethanesulfonate, a potent bispyridinium-dioxime against anticholinesterases. <i>Archives of Toxicology</i> , 1992, 66, 603-621.	4.2	88
29	Inhibition, reactivation and aging kinetics of cyclohexylmethylphosphonofluoridate-inhibited human cholinesterases. <i>Archives of Toxicology</i> , 1998, 72, 580-587.	4.2	74
30	Kinetic analysis of reactivation and aging of human acetylcholinesterase inhibited by different phosphoramidates. <i>Biochemical Pharmacology</i> , 2007, 73, 1807-1817.	4.4	74
31	Evaluation of oxime efficacy in nerve agent poisoning: Development of a kinetic-based dynamic model. <i>Toxicology and Applied Pharmacology</i> , 2005, 209, 193-202.	2.8	64
32	Nanoparticulate Transport of Oximes over an In Vitro Blood-Brain Barrier Model. <i>PLoS ONE</i> , 2010, 5, e14213.	2.5	64
33	Structure-activity analysis of aging and reactivation of human butyrylcholinesterase inhibited by analogues of tabun. <i>Biochemical Journal</i> , 2009, 421, 97-106.	3.7	62
34	Suitability of human butyrylcholinesterase as therapeutic marker and pseudo catalytic scavenger in organophosphate poisoning: A kinetic analysis. <i>Toxicology</i> , 2009, 259, 133-139.	4.2	62
35	A structure-activity analysis of the variation in oxime efficacy against nerve agents. <i>Toxicology and Applied Pharmacology</i> , 2008, 231, 157-164.	2.8	61
36	Predicting outcome using butyrylcholinesterase activity in organophosphorus pesticide self-poisoning. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2008, 101, 467-474.	0.5	61

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37	HI 6 human serum albumin nanoparticlesâ€”Development and transport over an in vitro bloodâ€”brain barrier model. <i>Toxicology Letters</i> , 2011, 206, 60-66.	0.8	61
38	Lessons to be learnt from organophosphorus pesticide poisoning for the treatment of nerve agent poisoning. <i>Toxicology</i> , 2007, 233, 145-154.	4.2	54
39	Poisoning with the S-Alkyl organophosphorus insecticides profenofos and prothiofos. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2009, 102, 785-792.	0.5	54
40	Obidoxime in acute organophosphate poisoning: 1 â€” clinical effectiveness. <i>Clinical Toxicology</i> , 2009, 47, 798-806.	1.9	52
41	Enzyme-kinetic investigation of different sarin analogues reacting with human acetylcholinesterase and butyrylcholinesterase. <i>Toxicology</i> , 2007, 233, 166-172.	4.2	51
42	Inhibition, reactivation and aging kinetics of highly toxic organophosphorus compounds: Pig versus minipig acetylcholinesterase. <i>Toxicology</i> , 2008, 244, 35-41.	4.2	51
43	Inhibitory Potency against Human Acetylcholinesterase and Enzymatic Hydrolysis of Fluorogenic Nerve Agent Mimics by Human Paraoxonase 1 and Squid Diisopropyl Fluorophosphatase. <i>Biochemistry</i> , 2008, 47, 5216-5224.	2.5	51
44	Reactivation kinetics of a series of related bispyridinium oximes with organophosphate-inhibited human acetylcholinesteraseâ€”Structureâ€”activity relationships. <i>Biochemical Pharmacology</i> , 2012, 83, 1700-1706.	4.4	51
45	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> , 2014, 88, 1257-1266.	4.2	51
46	Testing of antidotes for organophosphorus compounds: Experimental procedures and clinical reality. <i>Toxicology</i> , 2007, 233, 108-119.	4.2	49
47	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> , 2008, 873, 86-94.	2.3	49
48	Extreme variability in the formation of chlorpyrifos oxon (CPO) in patients poisoned by chlorpyrifos (CPF). <i>Biochemical Pharmacology</i> , 2009, 78, 531-537.	4.4	49
49	Restoration of soman-blocked neuromuscular transmission in human and rat muscle by the bispyridinium non-oxime MB327 in vitro. <i>Toxicology</i> , 2012, 294, 80-84.	4.2	49
50	Effect of human plasma on the reactivation of sarin-inhibited human erythrocyte acetylcholinesterase. <i>Archives of Toxicology</i> , 2000, 74, 21-26.	4.2	48
51	Kinetic analysis of the protection afforded by reversible inhibitors against irreversible inhibition of acetylcholinesterase by highly toxic organophosphorus compounds. <i>Biochemical Pharmacology</i> , 2006, 72, 344-357.	4.4	47
52	Swine models in the design of more effective medical countermeasures against organophosphorus poisoning. <i>Toxicology</i> , 2007, 233, 128-144.	4.2	47
53	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> , 2016, 113, 5514-5519.	7.1	46
54	Formation and disposition of diethylphosphoryl-obidoxime, a potent anticholinesterase that is hydrolyzed by human paraoxonase (PON1). <i>Biochemical Pharmacology</i> , 2005, 69, 1853-1867.	4.4	45

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55	Reactivation of organophosphate-inhibited human AChE by combinations of obidoxime and HI 6in vitro. <i>Journal of Applied Toxicology</i> , 2007, 27, 582-588.	2.8	45
56	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> , 2010, 878, 1234-1245.	2.3	45
57	Catalytic bioscavengers in nerve agent poisoning: A promising approach?. <i>Toxicology Letters</i> , 2016, 244, 143-148.	0.8	43
58	Improving the promiscuous nerve agent hydrolase activity of a thermostable archaeal lactonase. <i>Bioresource Technology</i> , 2010, 101, 9204-9212.	9.6	42
59	Adsorption of obidoxime onto human serum albumin nanoparticles: Drug loading, particle size and drug release. <i>Journal of Microencapsulation</i> , 2010, 27, 506-513.	2.8	42
60	Catalytic efficiencies of directly evolved phosphotriesterase variants with structurally different organophosphorus compounds in vitro. <i>Archives of Toxicology</i> , 2016, 90, 2711-2724.	4.2	42
61	Kinetic analysis of interactions of paraoxon and oximes with human, Rhesus monkey, swine, rabbit, rat and guinea pig acetylcholinesterase. <i>Toxicology Letters</i> , 2011, 200, 19-23.	0.8	41
62	Investigation of the reactivation kinetics of a large series of bispyridinium oximes with organophosphate-inhibited human acetylcholinesterase. <i>Toxicology Letters</i> , 2016, 244, 136-142.	0.8	41
63	The phosphoryl oxime-destroying activity of human plasma. <i>Archives of Toxicology</i> , 2000, 74, 27-32.	4.2	40
64	Detoxification of nerve agents by a substituted $\beta$ -cyclodextrin: Application of a modified biological assay. <i>Toxicology</i> , 2009, 265, 96-100.	4.2	40
65	Post-exposure treatment of VX poisoned guinea pigs with the engineered phosphotriesterase mutant C23: A proof-of-concept study. <i>Toxicology Letters</i> , 2014, 231, 45-54.	0.8	40
66	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> , 2016, 55, 12668-12672.	13.8	40
67	An efficient thermostable organophosphate hydrolase and its application in pesticide decontamination. <i>Biotechnology and Bioengineering</i> , 2016, 113, 724-734.	3.3	39
68	Development of antidotes: Problems and strategies. <i>Toxicology</i> , 2007, 233, 23-30.	4.2	38
69	The NADPH oxidase inhibitor diphenyleneiodonium is also a potent inhibitor of cholinesterases and the internal $Ca^{2+}$ pump. <i>British Journal of Pharmacology</i> , 2009, 158, 790-796.	5.4	38
70	Obidoxime in acute organophosphate poisoning: 2 PK/PD relationships. <i>Clinical Toxicology</i> , 2009, 47, 807-813.	1.9	37
71	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> , 2011, 879, 2704-2713.	2.3	37
72	Highly efficient cyclosarin degradation mediated by a $\beta$ -cyclodextrin derivative containing an oxime-derived substituent. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 1543-1554.	2.2	36

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73	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> , 2019, 93, 1881-1891.	4.2	36
74	Tabun scavengers based on hydroxamic acid containing cyclodextrins. <i>Chemical Communications</i> , 2013, 49, 3425.	4.1	35
75	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> , 2010, 249, 231-237.	2.8	34
76	Discovery of a potent non-oxime reactivator of nerve agent inhibited human acetylcholinesterase. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 151-160.	5.5	34
77	Reversible inhibition of acetylcholinesterase by carbamates or huperzine A increases residual activity of the enzyme upon soman challenge. <i>Toxicology</i> , 2007, 233, 180-186.	4.2	33
78	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> , 2010, 878, 1226-1233.	2.3	33
79	Interaction of bispyridinium compounds with the orthosteric binding site of human $\alpha 7$ and Torpedo californica nicotinic acetylcholine receptors (nAChRs). <i>Toxicology Letters</i> , 2011, 206, 100-104.	0.8	33
80	Drug development for the management of organophosphorus poisoning. <i>Expert Opinion on Drug Discovery</i> , 2013, 8, 1467-1477.	5.0	33
81	Bispyridinium Compounds Inhibit Both Muscle and Neuronal Nicotinic Acetylcholine Receptors in Human Cell Lines. <i>PLoS ONE</i> , 2015, 10, e0135811.	2.5	33
82	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> , 2007, 58, 359-366.	0.7	32
83	Reactivation of tabun-hAChE investigated by structurally analogous oximes and mutagenesis. <i>Toxicology</i> , 2009, 265, 108-114.	4.2	32
84	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> , 2013, 216, 200-205.	0.8	32
85	Freeze-drying of HI-6-loaded recombinant human serum albumin nanoparticles for improved storage stability. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 510-517.	4.3	32
86	Effects of oximes on muscle force and acetylcholinesterase activity in isolated mouse hemidiaphragms exposed to paraoxon. <i>Toxicology</i> , 2005, 214, 190-197.	4.2	31
87	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> , 2007, 859, 9-15.	2.3	31
88	Atropine maintenance dosage in patients with severe organophosphate pesticide poisoning. <i>Toxicology Letters</i> , 2011, 206, 77-83.	0.8	31
89	Evaluation of the Test-mate ChE (Cholinesterase) Field Kit in Acute Organophosphorus Poisoning. <i>Annals of Emergency Medicine</i> , 2011, 58, 559-564.e6.	0.6	31
90	Preparation and characterization of dialkylphosphoryl-obidoxime conjugates, potent anticholinesterase derivatives that are quickly hydrolyzed by human paraoxonase (PON1192Q). <i>Biochemical Pharmacology</i> , 2007, 74, 1390-1400.	4.4	30

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91	Monitoring of neuromuscular transmission in organophosphate pesticide-poisoned patients. <i>Toxicology Letters</i> , 2009, 191, 297-304.	0.8	30
92	Diagnostics and treatment of nerve agent poisoning – current status and future developments. <i>Annals of the New York Academy of Sciences</i> , 2020, 1479, 13-28.	3.8	30
93	Reactivation and aging kinetics of human acetylcholinesterase inhibited by organophosphorylcholines. <i>Archives of Toxicology</i> , 2004, 78, 212-217.	4.2	29
94	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> , 2008, 75, 698-703.	4.4	29
95	Reactivation kinetics of a homologous series of bispyridinium bis-oximes with nerve agent-inhibited human acetylcholinesterase. <i>Archives of Toxicology</i> , 2012, 86, 1379-1386.	4.2	29
96	Detoxification of organophosphorus pesticides and nerve agents through RSDL: Efficacy evaluation by <sup>31</sup> P NMR spectroscopy. <i>Toxicology Letters</i> , 2015, 233, 207-213.	0.8	29
97	In vitro detoxification of cyclosarin (GF) by modified cyclodextrins. <i>Toxicology Letters</i> , 2011, 200, 53-58.	0.8	28
98	In vitro kinetic interactions of pyridostigmine, physostigmine and soman with erythrocyte and muscle acetylcholinesterase from different species. <i>Toxicology Letters</i> , 2011, 206, 41-46.	0.8	28
99	Optimized strategies to synthesize $\beta$ -cyclodextrin-oxime conjugates as a new generation of organophosphate scavengers. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3026.	2.8	28
100	Small-scale purification of butyrylcholinesterase from human plasma and implementation of a $\beta$ -cyclodextrin/ESI MS/MS method to detect its organophosphorus adducts. <i>Drug Testing and Analysis</i> , 2015, 7, 947-956.	2.6	27
101	In vitro and in vivo toxicological studies of V nerve agents: Molecular and stereoselective aspects. <i>Toxicology Letters</i> , 2015, 232, 438-448.	0.8	27
102	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> , 2016, 249, 22-28.	0.8	27
103	Effect of atropine and bispyridinium oximes on respiratory and circulatory function in guinea-pigs poisoned by sarin. <i>Toxicology</i> , 1995, 95, 123-133.	4.2	25
104	Detoxification of alkyl methylphosphonofluoridates by an oxime-substituted $\beta$ -cyclodextrin – An in vitro structure-activity study. <i>Toxicology Letters</i> , 2014, 224, 209-214.	0.8	25
105	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 phosphorylated tyrosine and novel cysteine containing disulfide adducts. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2191-2200.	1.5	25
106	Bioanalytical verification of V-type nerve agent exposure: simultaneous detection of phosphorylated tyrosines and cysteine-containing disulfide-adducts derived from human albumin. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1463-1474.	3.7	25
107	Pharmacokinetics of obidoxime in patients poisoned with organophosphorus compounds. <i>Toxicology Letters</i> , 2010, 197, 236-242.	0.8	24
108	Functionalized cyclodextrins bearing an alpha nucleophile – A promising way to degrade nerve agents. <i>Chemico-Biological Interactions</i> , 2013, 203, 202-207.	4.0	24

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109	Toxicokinetic Aspects of Nerve Agents and Vesicants. , 2015, , 817-856.		24
110	Reactivation kinetics of 31 structurally different bispyridinium oximes with organophosphate-inhibited human butyrylcholinesterase. Archives of Toxicology, 2015, 89, 405-414.	4.2	24
111	Single treatment of VX poisoned guinea pigs with the phosphotriesterase mutant C23AL: Intraosseous versus intravenous injection. Toxicology Letters, 2016, 258, 198-206.	0.8	24
112	Development of a dynamic model for real-time determination of membrane-bound acetylcholinesterase activity upon perfusion with inhibitors and reactivators. Biochemical Pharmacology, 2006, 72, 358-365.	4.4	23
113	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. Toxicology, 2008, 246, 188-192.	4.2	23
114	Effectiveness of a substituted $\beta$ -cyclodextrin to prevent cyclosarin toxicity in vivo. Toxicology Letters, 2014, 226, 222-227.	0.8	23
115	Kinetic analysis of interactions between alkylene-linked bis-pyridiniumaldoximes and human acetylcholinesterases inhibited by various organophosphorus compounds. Biochemical Pharmacology, 2010, 80, 941-946.	4.4	22
116	Affinities of bispyridinium non-oxime compounds to [ $^3\text{H}$ ]epibatidine binding sites of Torpedo californica nicotinic acetylcholine receptors depend on linker length. Chemico-Biological Interactions, 2013, 206, 545-554.	4.0	22
117	Oximes. , 0, , 305-329.		22
118	Equipotent cholinesterase reactivation in vitro by the nerve agent antidotes HI 6 dichloride and HI 6 dimethanesulfonate. Archives of Toxicology, 2002, 76, 589-595.	4.2	21
119	Assessment of neuromuscular dysfunction during poisoning by organophosphorus compounds. Chemico-Biological Interactions, 2010, 187, 265-269.	4.0	21
120	Detoxification of tabun at physiological pH mediated by substituted $\beta$ -cyclodextrin and glucose derivatives containing oxime groups. Toxicology, 2012, 302, 163-171.	4.2	21
121	Development of MS Binding Assays targeting the binding site of MB327 at the nicotinic acetylcholine receptor. Toxicology Letters, 2018, 293, 172-183.	0.8	21
122	Comparison of the oxime-induced reactivation of rhesus monkey, swine and guinea pig erythrocyte acetylcholinesterase following inhibition by sarin or paraoxon, using a perfusion model for the real-time determination of membrane-bound acetylcholinesterase activity. Toxicology, 2009, 258, 79-83.	4.2	20
123	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences. 2010. 878. 1290-1296.	2.3	20
124	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. Chemico-Biological Interactions, 2010, 187, 44-48.	4.0	20
125	Immobilization of Russian VX skin depots by localized cooling: Implications for decontamination and medical countermeasures. Toxicology Letters, 2011, 206, 47-53.	0.8	20
126	Paradox findings may challenge orthodox reasoning in acute organophosphate poisoning. Chemico-Biological Interactions, 2010, 187, 270-278.	4.0	19



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127	Toxicokinetics of tabun enantiomers in anaesthetized swine after intravenous tabun administration. <i>Toxicology Letters</i> , 2010, 198, 177-181.	0.8	19
128	In vitro kinetic interactions of DEET, pyridostigmine and organophosphorus pesticides with human cholinesterases. <i>Chemico-Biological Interactions</i> , 2011, 190, 79-83.	4.0	19
129	Comparative kinetics of organophosphates and oximes with erythrocyte, muscle and brain acetylcholinesterase. <i>Toxicology Letters</i> , 2012, 209, 173-178.	0.8	19
130	Investigation of kinetic interactions between approved oximes and human acetylcholinesterase inhibited by pesticide carbamates. <i>Chemico-Biological Interactions</i> , 2013, 206, 569-572.	4.0	19
131	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> , 2013, 216, 206-212.	0.8	19
132	Functional analysis of <i>Torpedo californica</i> nicotinic acetylcholine receptors in multiple activation states by SSM-based electrophysiology. <i>Toxicology Letters</i> , 2016, 247, 1-10.	0.8	19
133	Identification of novel disulfide adducts between the thiol containing leaving group of the nerve agent VX and cysteine containing tripeptides derived from human serum albumin. <i>Drug Testing and Analysis</i> , 2017, 9, 1192-1203.	2.6	19
134	Precision cut lung slices as test system for candidate therapeutics in organophosphate poisoning. <i>Toxicology</i> , 2017, 389, 94-100.	4.2	19
135	Reevaluation of indirect field stimulation technique to demonstrate oxime effectiveness in OP-poisoning in muscles in vitro. <i>Toxicology</i> , 2007, 233, 209-213.	4.2	18
136	Muscle force and acetylcholinesterase activity in mouse hemidiaphragms exposed to paraoxon and treated by oximes in vitro. <i>Toxicology</i> , 2010, 272, 46-51.	4.2	18
137	Comparative study of oxime-induced reactivation of erythrocyte and muscle AChE from different animal species following inhibition by sarin or paraoxon. <i>Toxicology Letters</i> , 2010, 194, 94-101.	0.8	18
138	Chromatographic preparation and kinetic analysis of interactions between tabun enantiomers and acetylcholinesterase. <i>Toxicology Letters</i> , 2010, 195, 142-146.	0.8	18
139	The therapeutic use of localized cooling in the treatment of VX poisoning. <i>Toxicology Letters</i> , 2011, 204, 52-56.	0.8	18
140	Structural requirements for effective oximes – Evaluation of kinetic in vitro data with phosphorylated human AChE and structurally different oximes. <i>Chemico-Biological Interactions</i> , 2013, 203, 125-128.	4.0	18
141	Reactivation of Plasma Butyrylcholinesterase by Pralidoxime Chloride in Patients Poisoned by WHO Class II Toxicity Organophosphorus Insecticides. <i>Toxicological Sciences</i> , 2013, 136, 274-283.	3.1	18
142	Novel cysteine- and albumin-adduct biomarkers to prove human poisoning with the pesticide oxydemeton-S-methyl. <i>Toxicology Letters</i> , 2018, 294, 122-134.	0.8	18
143	Chromatographic analysis of toxic phosphorylated oximes (POX): a brief overview. <i>Drug Testing and Analysis</i> , 2010, 2, 460-468.	2.6	17
144	Reactivation of organophosphate-inhibited human acetylcholinesterase by isonitrosoacetone (MINA): A kinetic analysis. <i>Chemico-Biological Interactions</i> , 2011, 194, 91-96.	4.0	17

#	ARTICLE	IF	CITATIONS
145	Competition radioligand binding assays for the investigation of bispyridinium compound affinities to the human muscarinic acetylcholine receptor subtype 5 (hM <sub>5</sub> ). <i>Drug Testing and Analysis</i> , 2012, 4, 292-297.	2.6	17
146	In vitro evaluation of the catalytic activity of paraoxonases and phosphotriesterases predicts the enzyme circulatory levels required for in vivo protection against organophosphate intoxications. <i>Chemico-Biological Interactions</i> , 2016, 259, 252-256.	4.0	17
147	Application of the Ugi Multicomponent Reaction in the Synthesis of Reactivators of Nerve Agent Inhibited Acetylcholinesterase. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9376-9392.	6.4	17
148	In vitro pharmacological characterization of the bispyridinium non-oxime compound MB327 and its 2- and 3-regioisomers. <i>Toxicology Letters</i> , 2018, 293, 190-197.	0.8	17
149	Effect of organophosphorus hydrolysing enzymes on obidoxime-induced reactivation of organophosphate-inhibited human acetylcholinesterase. <i>Archives of Toxicology</i> , 2004, 78, 338-343.	4.2	16
150	Development of a high-throughput screening for nerve agent detoxifying materials using a fully-automated robot-assisted biological assay. <i>Toxicology in Vitro</i> , 2010, 24, 1026-1031.	2.4	16
151	In vitro kinetics of nerve agent degradation by fresh frozen plasma (FFP). <i>Archives of Toxicology</i> , 2014, 88, 301-307.	4.2	16
152	Kinetic analysis of interactions of amodiaquine with human cholinesterases and organophosphorus compounds. <i>Toxicology Letters</i> , 2016, 246, 49-56.	0.8	16
153	Evaluation of medical countermeasures against organophosphorus compounds: The value of experimental data and computer simulations. <i>Chemico-Biological Interactions</i> , 2010, 187, 259-264.	4.0	15
154	Incorporation of obidoxime into human serum albumin nanoparticles: optimisation of preparation parameters for the development of a stable formulation. <i>Journal of Microencapsulation</i> , 2010, 27, 594-601.	2.8	15
155	Effect of MB327 and oximes on rat intestinal smooth muscle function. <i>Chemico-Biological Interactions</i> , 2013, 204, 1-5.	4.0	15
156	Counteracting desensitization of human $\alpha 7$ -nicotinic acetylcholine receptors with bispyridinium compounds as an approach against organophosphorus poisoning. <i>Toxicology Letters</i> , 2018, 293, 149-156.	0.8	15
157	Estimation of oxime efficacy in nerve agent poisoning: A kinetic approach. <i>Chemico-Biological Interactions</i> , 2005, 157-158, 349-352.	4.0	14
158	Application of kinetic-based computer modelling to evaluate the efficacy of HI 6 in percutaneous VX poisoning. <i>Toxicology</i> , 2006, 224, 74-80.	4.2	14
159	Interactions between acetylcholinesterase, toxic organophosphorus compounds and a short series of structurally related non-oxime reactivators: Analysis of reactivation and inhibition kinetics in vitro. <i>Toxicology Letters</i> , 2018, 299, 218-225.	0.8	14
160	A case report of cholinesterase inhibitor poisoning: cholinesterase activities and analytical methods for diagnosis and clinical decision making. <i>Archives of Toxicology</i> , 2020, 94, 2239-2247.	4.2	14
161	Direct reaction of oximes with crotylsarin, cyclosarin, or VX in vitro. <i>Archives of Toxicology</i> , 2007, 81, 415-420.	4.2	13
162	Toxicokinetics of Chemical Warfare Agents. , 2009, , 755-790.		13

#	ARTICLE	IF	CITATIONS
163	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> , 2010, 187, 215-219.	4.0	13
164	Detoxification of G- and V-series nerve agents by the phosphotriesterase OpdA. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 203-208.	2.0	13
165	Reactivation of nerve agent-inhibited human acetylcholinesterase by obidoxime, HI-6 and obidoxime+HI-6: Kinetic in vitro study with simulated nerve agent toxicokinetics and oxime pharmacokinetics. <i>Toxicology</i> , 2016, 350-352, 25-30.	4.2	13
166	Innovative Biocatalysts as Tools to Detect and Inactivate Nerve Agents. <i>Scientific Reports</i> , 2018, 8, 13773.	3.3	13
167	Toxicokinetic aspects of nerve agents and vesicants. , 2020, , 875-919.		13
168	Elimination kinetics and molecular reaction mechanisms of cyclosarin (GF) by an oxime substituted $\beta$ -cyclodextrin derivative in vitro. <i>Toxicology Letters</i> , 2015, 239, 41-52.	0.8	12
169	Efficacy of an organophosphorus hydrolase enzyme (OpdA) in human serum and minipig models of organophosphorus insecticide poisoning. <i>Clinical Toxicology</i> , 2020, 58, 397-405.	1.9	12
170	A catalytic bioscavenger with improved stability and reduced susceptibility to oxidation for treatment of acute poisoning with neurotoxic organophosphorus compounds. <i>Toxicology Letters</i> , 2020, 321, 138-145.	0.8	12
171	Structural and Functional Characterization of New SsoPox Variant Points to the Dimer Interface as a Driver for the Increase in Promiscuous Paraoxonase Activity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1683.	4.1	12
172	Intoxication with Huperzine A, a Potent Anticholinesterase Found in the Fir Club Moss. <i>Journal of Toxicology: Clinical Toxicology</i> , 2000, 38, 803-808.	1.5	11
173	In vitro toxicokinetic studies of cyclosarin: Molecular mechanisms of elimination. <i>Toxicology Letters</i> , 2014, 227, 1-11.	0.8	11
174	Kinetic interactions of a homologous series of bispyridinium monooximes (HGG oximes) with native and phosphorylated human acetylcholinesterase. <i>Toxicology Letters</i> , 2012, 212, 29-32.	0.8	10
175	Electrophysiological investigation of the effect of structurally different bispyridinium non-oxime compounds on human $\alpha$ 7-nicotinic acetylcholine receptor activity: An in vitro structure-activity analysis. <i>Toxicology Letters</i> , 2018, 293, 157-166.	0.8	10
176	Synthesis of a Series of Structurally Diverse MB327 Derivatives and Their Affinity Characterization at the Nicotinic Acetylcholine Receptor. <i>ChemMedChem</i> , 2018, 13, 1806-1816.	3.2	10
177	COPD and asthma therapeutics for supportive treatment in organophosphate poisoning. <i>Clinical Toxicology</i> , 2019, 57, 644-651.	1.9	10
178	Simulation of cholinesterase status at different scenarios of nerve agent exposure. <i>Toxicology</i> , 2007, 233, 155-165.	4.2	9
179	Effects of oximes on rate of decarbamylation of human red blood cell AChE measured with two different methods. <i>Biochemical Pharmacology</i> , 2008, 75, 1561-1566.	4.4	9
180	Reactions of isodimethoate with human red cell acetylcholinesterase. <i>Biochemical Pharmacology</i> , 2008, 75, 2045-2053.	4.4	9

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181	Restoration of nerve agent inhibited muscle force production in human intercostal muscle strips with HI 6. <i>Toxicology Letters</i> , 2011, 206, 72-76.	0.8	9
182	Pre- and post-treatment effect of physostigmine on soman-inhibited human erythrocyte and muscle acetylcholinesterase in vitro. <i>Toxicology and Applied Pharmacology</i> , 2011, 253, 7-13.	2.8	9
183	Effect of different buffers on kinetic properties of human acetylcholinesterase and the interaction with organophosphates and oximes. <i>Archives of Toxicology</i> , 2011, 85, 193-198.	4.2	9
184	Application of an enantioselective LC-ESI MS/MS procedure to determine R and S-hyoscyamine following intravenous atropine administration in swine. <i>Drug Testing and Analysis</i> , 2012, 4, 194-198.	2.6	9
185	Pseudocatalytic scavenging of the nerve agent VX with human blood components and the oximes obidoxime and HI-6. <i>Archives of Toxicology</i> , 2017, 91, 1309-1318.	4.2	9
186	Alteration of miRNA expression in a sulfur mustard resistant cell line. <i>Toxicology Letters</i> , 2018, 293, 38-44.	0.8	9
187	Searching for putative binding sites of the bispyridinium compound MB327 in the nicotinic acetylcholine receptor. <i>Toxicology Letters</i> , 2018, 293, 184-189.	0.8	9
188	Synthesis of a Series of Non-Symmetric Bispyridinium and Related Compounds and Their Affinity Characterization at the Nicotinic Acetylcholine Receptor. <i>ChemMedChem</i> , 2018, 13, 2653-2663.	3.2	9
189	Are we using the right dose? A tale of mole and gram. <i>British Journal of Clinical Pharmacology</i> , 2008, 66, 451-452.	2.4	8
190	Interaction of pentylsarin analogues with human acetylcholinesterase: A kinetic study. <i>Toxicology Letters</i> , 2009, 187, 119-123.	0.8	8
191	Kinetic prerequisites of oximes as effective reactivators of organophosphate-inhibited acetylcholinesterase: a theoretical approach. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011, 26, 303-308.	5.2	8
192	Central respiratory effects on motor nerve activities after organophosphate exposure in a working heart brainstem preparation of the rat. <i>Toxicology Letters</i> , 2011, 206, 94-99.	0.8	8
193	Elimination pathways of cyclosarin (GF) mediated by $\beta$ -cyclodextrin in vitro: Pharmacokinetic and toxicokinetic aspects. <i>Toxicology Letters</i> , 2013, 222, 164-170.	0.8	8
194	Pathways for the Reactions Between Neurotoxic Organophosphorus Compounds and Oximes or Hydroxamic Acids. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5831-5838.	2.4	8
195	Effects of anti-inflammatory compounds on sulfur mustard injured cells: Recommendations and caveats suggested by in vitro cell culture models. <i>Toxicology Letters</i> , 2018, 293, 91-97.	0.8	8
196	Sulfur mustard resistant keratinocytes obtained elevated glutathione levels and other changes in the antioxidative defense mechanism. <i>Toxicology Letters</i> , 2018, 293, 51-61.	0.8	8
197	Translating the Concept of Bispecific Antibodies to Engineering Heterodimeric Phosphotriesterases with Broad Organophosphate Substrate Recognition. <i>Biochemistry</i> , 2020, 59, 4395-4406.	2.5	8
198	Catalytic activity and stereoselectivity of engineered phosphotriesterases towards structurally different nerve agents in vitro. <i>Archives of Toxicology</i> , 2021, 95, 2815-2823.	4.2	8

#	ARTICLE	IF	CITATIONS
199	Investigation of cardiac glycosides from oleander in a human induced pluripotent stem cells derived cardiomyocyte model. <i>Toxicology Letters</i> , 2021, 350, 261-266.	0.8	8
200	Organophosphorus pesticides exhibit compound specific effects in rat precision-cut lung slices (PCLS): mechanisms involved in airway response, cytotoxicity, inflammatory activation and antioxidative defense. <i>Archives of Toxicology</i> , 2022, 96, 321-334.	4.2	8
201	Effect of metoclopramide and ranitidine on the inhibition of human AChE by VX in vitro. <i>Journal of Applied Toxicology</i> , 2005, 25, 568-571.	2.8	7
202	Quantification of pralidoxime (2-PAM) in urine by ion pair chromatography-diode array detection: application to <i>in vivo</i> samples from minipig. <i>Drug Testing and Analysis</i> , 2012, 4, 169-178.	2.6	7
203	Bispyridinium non-oximes: An evaluation of cardiac effects in isolated hearts and smooth muscle relaxing effects in jejunum. <i>Toxicology in Vitro</i> , 2016, 35, 11-16.	2.4	7
204	Kinetics of pesticide degradation by human fresh frozen plasma (FFP) in vitro. <i>Toxicology Letters</i> , 2016, 244, 124-128.	0.8	7
205	The arrhythmogenic potential of nerve agents and a cardiac safety profile of antidotes - A proof-of-concept study using human induced pluripotent stem cells derived cardiomyocytes (hiPSC-CM). <i>Toxicology Letters</i> , 2019, 308, 1-6.	0.8	7
206	Human small bowel as model for poisoning with organophosphorus compounds. <i>Toxicology in Vitro</i> , 2019, 57, 76-80.	2.4	7
207	In Vitro Interaction of Organophosphono- and Organophosphorothioates with Human Acetylcholinesterase. <i>Molecules</i> , 2020, 25, 3029.	3.8	7
208	Development of versatile and potent monoquaternary reactivators of acetylcholinesterase. <i>Archives of Toxicology</i> , 2021, 95, 985-1001.	4.2	7
209	Synthesis and in vitro evaluation of novel non-oximes for the reactivation of nerve agent inhibited human acetylcholinesterase. <i>Chemico-Biological Interactions</i> , 2020, 326, 109139.	4.0	7
210	Optimization of long-term cold storage of rat precision-cut lung slices with a tissue preservation solution. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L1023-L1035.	2.9	7
211	Evaluation of 6,6-dithionicotinic acid as alternative chromogen in a modified Ellman method-comparison in various species. <i>Toxicology Mechanisms and Methods</i> , 2011, 21, 533-537.	2.7	6
212	Investigations of kinetic interactions between lipid emulsions, hydroxyethyl starch or dextran and organophosphorus compounds. <i>Clinical Toxicology</i> , 2013, 51, 918-922.	1.9	6
213	Repetitive obidoxime treatment induced increase of red blood cell acetylcholinesterase activity even in a late phase of a severe methamidophos poisoning: A case report. <i>Toxicology Letters</i> , 2016, 244, 121-123.	0.8	6
214	The in vitro protective effects of the three novel nanomolar reversible inhibitors of human cholinesterases against irreversible inhibition by organophosphorous chemical warfare agents. <i>Chemico-Biological Interactions</i> , 2019, 309, 108714.	4.0	6
215	Evaluation of the accuracy of aChE check mobile-in measurement of acetylcholinesterase in pesticide poisoning. <i>Clinical Toxicology</i> , 2019, 57, 411-414.	1.9	6
216	Post-VX exposure treatment of rats with engineered phosphotriesterases. <i>Archives of Toxicology</i> , 2022, 96, 571-583.	4.2	6

#	ARTICLE	IF	CITATIONS
217	The liberation of thiocholine from acetylthiocholine (ASCh) by pralidoxime iodide (2=PAM) and other oximes (obidoxime and diacetylmonoxime). <i>Toxicology Letters</i> , 2006, 167, 256-257.	0.8	5
218	Evaluation of HI 6 treatment after percutaneous VR exposure by use of a kinetic-based dynamic computer model. <i>Toxicology</i> , 2007, 233, 173-179.	4.2	5
219	Kinetic Analysis of Oxime Interactions with Acetylcholinesterase as a Basis for the Evaluation of Oxime Efficacy in Organophosphate Poisoning. <i>Current Bioactive Compounds</i> , 2010, 6, 16-22.	0.5	5
220	Effect of reversible ligands on oxime-induced reactivation of sarin- and cyclosarin-inhibited human acetylcholinesterase. <i>Toxicology Letters</i> , 2015, 232, 557-565.	0.8	5
221	Adaptation of a dynamic in vitro model with real-time determination of butyrylcholinesterase activity in the presence of cyclosarin and an oxime. <i>Toxicology in Vitro</i> , 2015, 29, 162-167.	2.4	5
222	Entgiftung von VX und anderen Vâ€œstoffen in Wasser bei 37â€œ%â€œC und pHâ€œ...7.4 durch substituierte Sulfonatocalix[4]arene. <i>Angewandte Chemie</i> , 2016, 128, 12859-12863.	2.0	5
223	An Unusual Dimeric Inhibitor of Acetylcholinesterase: Cooperative Binding of Crystal Violet. <i>Molecules</i> , 2017, 22, 1433.	3.8	5
224	Influence of cyclic and acyclic cucurbiturils on the degradation pathways of the chemical warfare agent VX. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5218-5227.	2.8	5
225	Evaluation of Functional and Structural Alterations in Muscle Tissue after Short-Term Cold Storage in a New Tissue Preservation Solution. <i>Cells Tissues Organs</i> , 2011, 194, 501-509.	2.3	4
226	Blaptica dubia as sentinels for exposure to chemical warfare agents â€œ a pilot study. <i>Toxicology Letters</i> , 2016, 262, 12-16.	0.8	4
227	Self-regeneration of neuromuscular function following soman and VX poisoning in spinal cordâ€œ skeletal muscle cocultures. <i>Toxicology Letters</i> , 2016, 244, 149-153.	0.8	4
228	Development of a sensitive, generic and easy to use organophosphate skin disclosure kit. <i>Toxicology Letters</i> , 2017, 280, 190-194.	0.8	4
229	The oximes HI-6 and MMB-4 fail to reactivate soman-inhibited human and guinea pig AChE: A kinetic in vitro study. <i>Toxicology Letters</i> , 2018, 293, 216-221.	0.8	4
230	Early diagnosis of nerve agent exposure with a mobile test kit and implications for medical countermeasures: a trigger to react. <i>BMJ Military Health</i> , 2020, 166, 99-102.	0.9	4
231	Pro: Oximes should be used routinely in organophosphate poisoning. <i>British Journal of Clinical Pharmacology</i> , 2022, 88, 5064-5069.	2.4	4
232	Broadâ€œ Spectrum Antidote Discovery by Untangling the Reactivation Mechanism of Nerveâ€œ Agentâ€œ Inhibited Acetylcholinesterase. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	4
233	Comments on â€œ<i>Efficacy of two new asymmetric bispyridinium oximes (K-27 and K-48) in rats exposed to diisopropylfluorophosphate: Comparison with pralidoxime, obidoxime, trimedoxime, methoxime, and HI 6</i>â€œ. <i>Toxicology Mechanisms and Methods</i> , 2009, 19, 334-334.	2.7	3
234	Photostability of antidotal oxime HIâ€œ6, impact on drug development. <i>Drug Testing and Analysis</i> , 2012, 4, 208-214.	2.6	3

#	ARTICLE	IF	CITATIONS
235	Reversed-phase ion-pair chromatography-diode array detection of the bispyridinium compound MB327: plasma analysis of a potential novel antidote for the treatment of organophosphorus poisoning. <i>Drug Testing and Analysis</i> , 2016, 8, 154-163.	2.6	3
236	Anesthetic actions of thiopental remain largely unaffected during cholinergic overstimulation in cultured cortical networks. <i>Toxicology Letters</i> , 2016, 244, 129-135.	0.8	3
237	New Resensitizers for the Nicotinic Acetylcholine Receptor by Ligand-Based Pharmacophore Modeling. <i>Current Computer-Aided Drug Design</i> , 2018, 15, 104-109.	1.2	3
238	Reactions of methylphosphonic difluoride with human acetylcholinesterase and oximes – Possible therapeutic implications. <i>Toxicology Letters</i> , 2014, 231, 92-98.	0.8	2
239	Application of a dynamic in vitro model with real-time determination of acetylcholinesterase activity for the investigation of tabun analogues and oximes. <i>Toxicology in Vitro</i> , 2015, 30, 514-520.	2.4	2
240	Immediate responses of the cockroach <i>Blattella germanica</i> after the exposure to sulfur mustard. <i>Archives of Toxicology</i> , 2018, 92, 337-346.	4.2	2
241	Human small bowel as a useful tool to investigate smooth muscle effects of potential therapeutics in organophosphate poisoning. <i>Toxicology Letters</i> , 2018, 293, 235-240.	0.8	2
242	Release of protein-bound nerve agents by excess fluoride from whole blood: GC-MS/MS method development, validation, and application to a real-life denatured blood sample. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1179, 122693.	2.3	2
243	Midazolam is effective to reduce cortical network activity in organotypic cultures during severe cholinergic overstimulation with soman. <i>Toxicology Letters</i> , 2018, 297, 19-23.	0.8	1
244	Effect of cholinergic crisis on the potency of different emergency anaesthesia protocols in soman-poisoned rats. <i>Clinical Toxicology</i> , 2019, 57, 343-349.	1.9	1
245	Screening of chiral shift reagents suitable to generically separate the enantiomers of V-agents by 31P-NMR spectroscopy. <i>Toxicology Letters</i> , 2020, 320, 28-36.	0.8	1
246	Thirteenth International Medical Chemical Defence Conference 2011 – New developments in the treatment of intoxications by chemical warfare agents with focus on neurotoxic agents. <i>Toxicology Letters</i> , 2011, 206, 3-4.	0.8	0
247	In vitro kinetic interactions of DEET, pyridostigmine and organophosphorus pesticides with human cholinesterases – Response to the letter to the editor. <i>Chemico-Biological Interactions</i> , 2011, 193, 108.	4.0	0
248	Front Cover: Pathways for the Reactions Between Neurotoxic Organophosphorus Compounds and Oximes or Hydroxamic Acids ( <i>Eur. J. Org. Chem.</i> 35/2016). <i>European Journal of Organic Chemistry</i> , 2016, 5777-5777.	2.4	0
249	Impact of soman and acetylcholine on the effects of propofol in cultured cortical networks. <i>Toxicology Letters</i> , 2020, 322, 98-103.	0.8	0
250	Inhibition of an organophosphate-detoxifying bacterial phosphotriesterase by albumin and plasma thiol components. <i>Toxicology Letters</i> , 2021, 350, 194-201.	0.8	0