

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	Organophosphorus pesticides exhibit compound specific effects in rat precision-cut lung slices (PCLS): mechanisms involved in airway response, cytotoxicity, inflammatory activation and antioxidative defense. Archives of Toxicology, 2022, 96, 321-334.	4.2	8
2	Pro: Oximes should be used routinely in organophosphate poisoning. British Journal of Clinical Pharmacology, 2022, 88, 5064-5069.	2.4	4
3	Post-VX exposure treatment of rats with engineered phosphotriesterases. Archives of Toxicology, 2022, 96, 571-583.	4.2	6
4	Broad-spectrum Antidote Discovery by Untangling the Reactivation Mechanism of Nerve Agent-Inhibited Acetylcholinesterase. Chemistry - A European Journal, 2022, 28, .	3.3	4
5	Development of versatile and potent monoquateryary reactivators of acetylcholinesterase. Archives of Toxicology, 2021, 95, 985-1001.	4.2	7
6	Catalytic activity and stereoselectivity of engineered phosphotriesterases towards structurally different nerve agents in vitro. Archives of Toxicology, 2021, 95, 2815-2823.	4.2	8
7	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1179, 122693.	2.3	2
8	Inhibition of an organophosphate-detoxifying bacterial phosphotriesterase by albumin and plasma thiol components. Toxicology Letters, 2021, 350, 194-201.	0.8	0
9	Investigation of cardiac glycosides from oleander in a human induced pluripotent stem cells derived cardiomyocyte model. Toxicology Letters, 2021, 350, 261-266.	0.8	8
10	Optimization of long-term cold storage of rat precision-cut lung slices with a tissue preservation solution. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L1023-L1035.	2.9	7
11	Efficacy of an organophosphorus hydrolase enzyme (OpdA) in human serum and minipig models of organophosphorus insecticide poisoning. Clinical Toxicology, 2020, 58, 397-405.	1.9	12
12	A catalytic bioscavenger with improved stability and reduced susceptibility to oxidation for treatment of acute poisoning with neurotoxic organophosphorus compounds. Toxicology Letters, 2020, 321, 138-145.	0.8	12
13	Screening of chiral shift reagents suitable to generically separate the enantiomers of V-agents by 31P-NMR spectroscopy. Toxicology Letters, 2020, 320, 28-36.	0.8	1
14	Translating the Concept of Bispecific Antibodies to Engineering Heterodimeric Phosphotriesterases with Broad Organophosphate Substrate Recognition. Biochemistry, 2020, 59, 4395-4406.	2.5	8
15	Early diagnosis of nerve agent exposure with a mobile test kit and implications for medical countermeasures: a trigger to react. BMJ Military Health, 2020, 166, 99-102.	0.9	4
16	Organophosphorus compounds and oximes: a critical review. Archives of Toxicology, 2020, 94, 2275-2292.	4.2	95
17	Diagnostics and treatment of nerve agent poisoning—current status and future developments. Annals of the New York Academy of Sciences, 2020, 1479, 13-28.	3.8	30
18	Structural and Functional Characterization of New SsoPox Variant Points to the Dimer Interface as a Driver for the Increase in Promiscuous Paraoxonase Activity. International Journal of Molecular Sciences, 2020, 21, 1683.	4.1	12

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19	Toxicokinetic aspects of nerve agents and vesicants. , 2020, , 875-919.		13
20	Influence of cyclic and acyclic cucurbiturils on the degradation pathways of the chemical warfare agent VX. Organic and Biomolecular Chemistry, 2020, 18, 5218-5227.	2.8	5
21	In Vitro Interaction of Organophosphono- and Organophosphorothioates with Human Acetylcholinesterase. Molecules, 2020, 25, 3029.	3.8	7
22	Impact of soman and acetylcholine on the effects of propofol in cultured cortical networks. Toxicology Letters, 2020, 322, 98-103.	0.8	0
23	A case report of cholinesterase inhibitor poisoning: cholinesterase activities and analytical methods for diagnosis and clinical decision making. Archives of Toxicology, 2020, 94, 2239-2247.	4.2	14
24	Synthesis and in vitro evaluation of novel non-oximes for the reactivation of nerve agent inhibited human acetylcholinesterase. Chemico-Biological Interactions, 2020, 326, 109139.	4.0	7
25	The in vitro protective effects of the three novel nanomolar reversible inhibitors of human cholinesterases against irreversible inhibition by organophosphorous chemical warfare agents. Chemico-Biological Interactions, 2019, 309, 108714.	4.0	6
26	COPD and asthma therapeutics for supportive treatment in organophosphate poisoning. Clinical Toxicology, 2019, 57, 644-651.	1.9	10
27	Forensic evidence of sulfur mustard exposure in real cases of human poisoning by detection of diverse albumin-derived protein adducts. Archives of Toxicology, 2019, 93, 1881-1891.	4.2	36
28	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). Toxicology Letters, 2019, 308, 1-6.	0.8	7
29	Human small bowel as model for poisoning with organophosphorus compounds. Toxicology in Vitro, 2019, 57, 76-80.	2.4	7
30	Evaluation of the accuracy of aChE check mobile in measurement of acetylcholinesterase in pesticide poisoning. Clinical Toxicology, 2019, 57, 411-414.	1.9	6
31	Effect of cholinergic crisis on the potency of different emergency anaesthesia protocols in soman-poisoned rats. Clinical Toxicology, 2019, 57, 343-349.	1.9	1
32	Bioanalytical verification of V-type nerve agent exposure: simultaneous detection of phosphorylated tyrosines and cysteine-containing disulfide-adducts derived from human albumin. Analytical and Bioanalytical Chemistry, 2018, 410, 1463-1474.	3.7	25
33	Counteracting desensitization of human $\alpha 7$ -nicotinic acetylcholine receptors with bispyridinium compounds as an approach against organophosphorus poisoning. Toxicology Letters, 2018, 293, 149-156.	0.8	15
34	Fatal sarin poisoning in Syria 2013: forensic verification within an international laboratory network. Forensic Toxicology, 2018, 36, 61-71.	2.4	169
35	Immediate responses of the cockroach <i>Blattella germanica</i> after the exposure to sulfur mustard. Archives of Toxicology, 2018, 92, 337-346.	4.2	2
36	In vitro pharmacological characterization of the bispyridinium non-oxime compound MB327 and its 2- and 3-regioisomers. Toxicology Letters, 2018, 293, 190-197.	0.8	17

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37	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
38	Alteration of miRNA expression in a sulfur mustard resistant cell line. <i>Toxicology Letters</i> , 2018, 293, 38-44.	0.8	9
39	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
40	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
41	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
42	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
43	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
44	Development of MS Binding Assays targeting the binding site of MB327 at the nicotinic acetylcholine receptor. <i>Toxicology Letters</i> , 2018, 293, 172-183.	0.8	21
45	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
46	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
47	Innovative Biocatalysts as Tools to Detect and Inactivate Nerve Agents. <i>Scientific Reports</i> , 2018, 8, 13773.	3.3	13
48	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
49	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
50	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
51	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
52	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
53	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
54	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

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55	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
56	Development of a sensitive, generic and easy to use organophosphate skin disclosure kit. <i>Toxicology Letters</i> , 2017, 280, 190-194.	0.8	4
57	Precision cut lung slices as test system for candidate therapeutics in organophosphate poisoning. <i>Toxicology</i> , 2017, 389, 94-100.	4.2	19
58	An Unusual Dimeric Inhibitor of Acetylcholinesterase: Cooperative Binding of Crystal Violet. <i>Molecules</i> , 2017, 22, 1433.	3.8	5
59	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
60	Toxicology of organophosphorus compounds in view of an increasing terrorist threat. <i>Archives of Toxicology</i> , 2016, 90, 2131-2145.	4.2	93
61	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, 2016, 5777-5777.	2.4	0
62	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
63	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
64	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
65	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
66	Oximes in organophosphate poisoning: 60 years of hope and despair. <i>Chemico-Biological Interactions</i> , 2016, 259, 93-98.	4.0	123
67	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
68	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
69	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
70	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
71	Blaptica dubia as sentinels for exposure to chemical warfare agents—a pilot study. <i>Toxicology Letters</i> , 2016, 262, 12-16.	0.8	4
72	Single treatment of VX poisoned guinea pigs with the phosphotriesterase mutant C23AL: Intraosseous versus intravenous injection. <i>Toxicology Letters</i> , 2016, 258, 198-206.	0.8	24

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73	Entgiftung von VX und anderen Vâ€Stoffen in Wasser bei 37â€%Â°C und pHâ€...7.4 durch substituierte Sulfonatocalix[4]arene. <i>Angewandte Chemie</i> , 2016, 128, 12859-12863.	2.0	5
74	An efficient thermostable organophosphate hydrolase and its application in pesticide decontamination. <i>Biotechnology and Bioengineering</i> , 2016, 113, 724-734.	3.3	39
75	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
76	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
77	Kinetic analysis of interactions of amodiaquine with human cholinesterases and organophosphorus compounds. <i>Toxicology Letters</i> , 2016, 246, 49-56.	0.8	16
78	Self-regeneration of neuromuscular function following soman and VX poisoning in spinal cordâ€ skeletal muscle cocultures. <i>Toxicology Letters</i> , 2016, 244, 149-153.	0.8	4
79	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
80	Kinetics of pesticide degradation by human fresh frozen plasma (FFP) in vitro. <i>Toxicology Letters</i> , 2016, 244, 124-128.	0.8	7
81	Catalytic bioscavengers in nerve agent poisoning: A promising approach?. <i>Toxicology Letters</i> , 2016, 244, 143-148.	0.8	43
82	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
83	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
84	Bispyridinium Compounds Inhibit Both Muscle and Neuronal Nicotinic Acetylcholine Receptors in Human Cell Lines. <i>PLoS ONE</i> , 2015, 10, e0135811.	2.5	33
85	Toxicokinetic Aspects of Nerve Agents and Vesicants. , 2015, , 817-856.		24
86	Detoxification of organophosphorus pesticides and nerve agents through RSDL: Efficacy evaluation by 31P NMR spectroscopy. <i>Toxicology Letters</i> , 2015, 233, 207-213.	0.8	29
87	Smallâ€scale purification of butyrylcholinesterase from human plasma and implementation of a Î¼LCâ€UV/ESI MS/MS method to detect its organophosphorus adducts. <i>Drug Testing and Analysis</i> , 2015, 7, 947-956.	2.6	27
88	Elimination kinetics and molecular reaction mechanisms of cyclosarin (GF) by an oxime substituted Î²-cyclodextrin derivative in vitro. <i>Toxicology Letters</i> , 2015, 239, 41-52.	0.8	12
89	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
90	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

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91	In vitro and in vivo toxicological studies of V nerve agents: Molecular and stereoselective aspects. Toxicology Letters, 2015, 232, 438-448.	0.8	27
92	Adaptation of a dynamic in vitro model with real-time determination of butyrylcholinesterase activity in the presence of cyclosarin and an oxime. Toxicology in Vitro, 2015, 29, 162-167.	2.4	5
93	Reactivation kinetics of 31 structurally different bispyridinium oximes with organophosphate-inhibited human butyrylcholinesterase. Archives of Toxicology, 2015, 89, 405-414.	4.2	24
94	Efficacy of the rePON1 mutant IIG1 to prevent cyclosarin toxicity in vivo and to detoxify structurally different nerve agents in vitro. Archives of Toxicology, 2014, 88, 1257-1266.	4.2	51
95	In vitro kinetics of nerve agent degradation by fresh frozen plasma (FFP). Archives of Toxicology, 2014, 88, 301-307.	4.2	16
96	In vitro toxicokinetic studies of cyclosarin: Molecular mechanisms of elimination. Toxicology Letters, 2014, 227, 1-11.	0.8	11
97	Effectiveness of a substituted β -cyclodextrin to prevent cyclosarin toxicity in vivo. Toxicology Letters, 2014, 226, 222-227.	0.8	23
98	Post-exposure treatment of VX poisoned guinea pigs with the engineered phosphotriesterase mutant C23: A proof-of-concept study. Toxicology Letters, 2014, 231, 45-54.	0.8	40
99	Reactions of methylphosphonic difluoride with human acetylcholinesterase and oximes – Possible therapeutic implications. Toxicology Letters, 2014, 231, 92-98.	0.8	2
100	Freeze-drying of HI-6-loaded recombinant human serum albumin nanoparticles for improved storage stability. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 510-517.	4.3	32
101	Detoxification of alkyl methylphosphonofluoridates by an oxime-substituted β -cyclodextrin – An in vitro structure-activity study. Toxicology Letters, 2014, 224, 209-214.	0.8	25
102	Tabun scavengers based on hydroxamic acid containing cyclodextrins. Chemical Communications, 2013, 49, 3425.	4.1	35
103	Drug development for the management of organophosphorus poisoning. Expert Opinion on Drug Discovery, 2013, 8, 1467-1477.	5.0	33
104	Investigations of kinetic interactions between lipid emulsions, hydroxyethyl starch or dextran and organophosphorus compounds. Clinical Toxicology, 2013, 51, 918-922.	1.9	6
105	Investigation of kinetic interactions between approved oximes and human acetylcholinesterase inhibited by pesticide carbamates. Chemico-Biological Interactions, 2013, 206, 569-572.	4.0	19
106	Functionalized cyclodextrins bearing an alpha nucleophile – A promising way to degrade nerve agents. Chemico-Biological Interactions, 2013, 203, 202-207.	4.0	24
107	Elimination pathways of cyclosarin (GF) mediated by β -cyclodextrin in vitro: Pharmacokinetic and toxicokinetic aspects. Toxicology Letters, 2013, 222, 164-170.	0.8	8
108	Limitations and challenges in treatment of acute chemical warfare agent poisoning. Chemico-Biological Interactions, 2013, 206, 435-443.	4.0	128

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109	Effect of MB327 and oximes on rat intestinal smooth muscle function. <i>Chemico-Biological Interactions</i> , 2013, 204, 1-5.	4.0	15
110	Affinities of bispyridinium non-oxime compounds to [3H]epibatidine binding sites of <i>Torpedo californica</i> nicotinic acetylcholine receptors depend on linker length. <i>Chemico-Biological Interactions</i> , 2013, 206, 545-554.	4.0	22
111	The value of novel oximes for treatment of poisoning by organophosphorus compounds. , 2013, 139, 249-259.		131
112	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
113	New modified β -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
114	New modified β -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
115	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
116	Detoxification of G- and V-series nerve agents by the phosphotriesterase OpdA. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 203-208.	2.0	13
117	Detoxification of tabun at physiological pH mediated by substituted β -cyclodextrin and glucose derivatives containing oxime groups. <i>Toxicology</i> , 2012, 302, 163-171.	4.2	21
118	Comparative kinetics of organophosphates and oximes with erythrocyte, muscle and brain acetylcholinesterase. <i>Toxicology Letters</i> , 2012, 209, 173-178.	0.8	19
119	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
120	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
121	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
122	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
123	Application of an enantioselective LC-ESI MS/MS procedure to determine <i>R</i> - and <i>S</i> -hyoscyamine following intravenous atropine administration in swine. <i>Drug Testing and Analysis</i> , 2012, 4, 194-198.	2.6	9
124	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
125	Photostability of antidotal oxime HI-6, impact on drug development. <i>Drug Testing and Analysis</i> , 2012, 4, 208-214.	2.6	3
126	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> , 2012, 4, 292-297.	2.6	17

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127	Reactivation kinetics of a series of related bispyridinium oximes with organophosphate-inhibited human acetylcholinesterase—Structure—activity relationships. <i>Biochemical Pharmacology</i> , 2012, 83, 1700-1706.	4.4	51
128	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
129	A role for solvents in the toxicity of agricultural organophosphorus pesticides. <i>Toxicology</i> , 2012, 294, 94-103.	4.2	101
130	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
131	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
132	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
133	In vitro detoxification of cyclosarin (GF) by modified cyclodextrins. <i>Toxicology Letters</i> , 2011, 200, 53-58.	0.8	28
134	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
135	The therapeutic use of localized cooling in the treatment of VX poisoning. <i>Toxicology Letters</i> , 2011, 204, 52-56.	0.8	18
136	Immobilization of Russian VX skin depots by localized cooling: Implications for decontamination and medical countermeasures. <i>Toxicology Letters</i> , 2011, 206, 47-53.	0.8	20
137	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
138	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
139	HI 6 human serum albumin nanoparticles—Development and transport over an in vitro blood—brain barrier model. <i>Toxicology Letters</i> , 2011, 206, 60-66.	0.8	61
140	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
141	Atropine maintenance dosage in patients with severe organophosphate pesticide poisoning. <i>Toxicology Letters</i> , 2011, 206, 77-83.	0.8	31
142	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
143	Optimized strategies to synthesize β -cyclodextrin-oxime conjugates as a new generation of organophosphate scavengers. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3026.	2.8	28
144	Highly efficient cyclosarin degradation mediated by a β -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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