

Rudy J Richardson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3366914/publications.pdf>

Version: 2024-02-01

115
papers

3,726
citations

136885

32
h-index

155592

55
g-index

116
all docs

116
docs citations

116
times ranked

2686
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Common Mechanism of Toxicity: A Case Study of Organophosphorus Pesticides. <i>Toxicological Sciences</i> , 1998, 41, 8-20. | 1.4 | 344 |
| 2 | Neuropathy Target Esterase Gene Mutations Cause Motor Neuron Disease. <i>American Journal of Human Genetics</i> , 2008, 82, 780-785. | 2.6 | 220 |
| 3 | Effect of glutathione depletion on tissue deposition of methylmercury in rats. <i>Toxicology and Applied Pharmacology</i> , 1975, 31, 505-519. | 1.3 | 203 |
| 4 | Assessment of the neurotoxic potential of chlorpyrifos relative to other organophosphorus compounds: A critical review of the literature. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1995, 44, 135-165. | 1.1 | 201 |
| 5 | Common Mechanism of Toxicity: A Case Study of Organophosphorus Pesticides., <i>Toxicological Sciences</i> , 1998, 41, 8-20. | 1.4 | 145 |
| 6 | Neuropathy target esterase (NTE): overview and future. <i>Chemico-Biological Interactions</i> , 2013, 203, 238-244. | 1.7 | 99 |
| 7 | Neuropathy target esterase impairments cause Oliverâ€™McFarlane and Laurenceâ€™Moon syndromes. <i>Journal of Medical Genetics</i> , 2015, 52, 85-94. | 1.5 | 91 |
| 8 | Evidence for the existence of neurotoxic esterase in neural and lymphatic tissue of the adult hen. <i>Biochemical Pharmacology</i> , 1982, 31, 1117-1121. | 2.0 | 82 |
| 9 | SUBCELLULAR DISTRIBUTION OF MARKER ENZYMES AND OF NEUROTOXIC ESTERASE IN ADULT HEN BRAIN. <i>Journal of Neurochemistry</i> , 1979, 32, 607-615. | 2.1 | 76 |
| 10 | Organophosphorus compound esterase profiles as predictors of therapeutic and toxic effects. <i>Chemico-Biological Interactions</i> , 2013, 203, 231-237. | 1.7 | 66 |
| 11 | Neurotoxic Esterase (NTE) Assay: Optimized Conditions Based on Detergent-Induced Shifts in the Phenol/4-Aminoantipyrine Chromophore Spectrum*. <i>Journal of Analytical Toxicology</i> , 1991, 15, 86-89. | 1.7 | 58 |
| 12 | Esterase profiles of organophosphorus compounds in vitro predict their behavior in vivo. <i>Chemico-Biological Interactions</i> , 2016, 259, 332-342. | 1.7 | 58 |
| 13 | Synthesis, molecular docking and biological evaluation of N,N-disubstituted 2-aminothiazolines as a new class of butyrylcholinesterase and carboxylesterase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 1050-1062. | 1.4 | 57 |
| 14 | Biomarkers and Mechanisms of Drug-Induced Vascular Injury in Non-Rodents. <i>Toxicologic Pathology</i> , 2006, 34, 19-26. | 0.9 | 48 |
| 15 | Lymphocyte and brain neurotoxic esterase: Dose and time dependence of inhibition in the hen examined with three organophosphorus esters. <i>Toxicology and Applied Pharmacology</i> , 1986, 83, 1-9. | 1.3 | 45 |
| 16 | Chlorpyrifos: Assessment of Potential for Delayed Neurotoxicity by Repeated Dosing in Adult Hens with Monitoring of Brain Acetylcholinesterase, Brain and Lymphocyte Neurotoxic Esterase, and Plasma Butyrylcholinesterase Activities. <i>Fundamental and Applied Toxicology</i> , 1993, 21, 89-96. | 1.9 | 45 |
| 17 | Conjugates of tacrine and 1,2,4-thiadiazole derivatives as new potential multifunctional agents for Alzheimerâ€™s disease treatment: Synthesis, quantum-chemical characterization, molecular docking, and biological evaluation. <i>Bioorganic Chemistry</i> , 2020, 94, 103387. | 2.0 | 44 |
| 18 | 9-Substituted acridine derivatives as acetylcholinesterase and butyrylcholinesterase inhibitors possessing antioxidant activity for Alzheimer's disease treatment. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5981-5994. | 1.4 | 43 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Biomarkers of drug-induced vascular injury. <i>Toxicology and Applied Pharmacology</i> , 2005, 207, 441-445. | 1.3 | 42 |
| 20 | Inhibition of hen brain acetylcholinesterase and neurotoxic esterase by chlorpyrifos in vivo and kinetics of inhibition by chlorpyrifos oxon in vitro: Application to assessment of neuropathic risk*. <i>Fundamental and Applied Toxicology</i> , 1993, 20, 273-279. | 1.9 | 41 |
| 21 | A review of epidemiologic studies of low-level exposures to organophosphorus insecticides in non-occupational populations. <i>Critical Reviews in Toxicology</i> , 2015, 45, 531-641. | 1.9 | 39 |
| 22 | Neurotoxic esterase: Characterization of the solubilized enzyme and the conditions for its solubilization from chicken brain microsomal membranes with ionic, zwitterionic, or nonionic detergents. <i>Biochemical Pharmacology</i> , 1987, 36, 1393-1399. | 2.0 | 38 |
| 23 | Synthesis of organophosphates with fluorine-containing leaving groups as serine esterase inhibitors with potential for Alzheimer disease therapeutics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 5528-5530. | 1.0 | 38 |
| 24 | The Mipafox-Inhibited Catalytic Domain of Human Neuropathy Target Esterase Ages by Reversible Proton Loss. <i>Biochemistry</i> , 2004, 43, 3716-3722. | 1.2 | 37 |
| 25 | The effects of occupational exposure to chlorpyrifos on the peripheral nervous system: a prospective cohort study. <i>Occupational and Environmental Medicine</i> , 2004, 61, 201-211. | 1.3 | 37 |
| 26 | Combined QSAR studies of inhibitor properties of <i>O</i> -phosphorylated oximes toward serine esterases involved in neurotoxicity, drug metabolism and Alzheimer's disease. <i>SAR and QSAR in Environmental Research</i> , 2012, 23, 627-647. | 1.0 | 37 |
| 27 | Thrombin preconditioning provides protection in a 6-hydroxydopamine Parkinson's disease model. <i>Neuroscience Letters</i> , 2005, 373, 189-194. | 1.0 | 36 |
| 28 | Modeling the Tertiary Structure of the Patatin Domain of Neuropathy Target Esterase. <i>Protein Journal</i> , 2007, 26, 165-172. | 0.7 | 36 |
| 29 | Overview of novel multifunctional agents based on conjugates of ^{13}C -carbolines, carbazoles, tetrahydrocarbazoles, phenothiazines, and aminoadamantanes for treatment of Alzheimer's disease. <i>Chemico-Biological Interactions</i> , 2019, 308, 224-234. | 1.7 | 36 |
| 30 | Phenylmethanesulfonyl fluoride elicits and intensifies the clinical expression of neuropathic insults. <i>Archives of Toxicology</i> , 1992, 66, 67-72. | 1.9 | 35 |
| 31 | Identification of Butyrylcholinesterase Adducts after Inhibition with Isomalathion Using Mass Spectrometry: Difference in Mechanism between (1R)- and (1S)-Stereoisomers. <i>Toxicology and Applied Pharmacology</i> , 2001, 176, 73-80. | 1.3 | 35 |
| 32 | Neuropathy target esterase (NTE/PNPLA6) and organophosphorus compound-induced delayed neurotoxicity (OPIDN). <i>Advances in Neurotoxicology</i> , 2020, 4, 1-78. | 0.7 | 35 |
| 33 | Inhibition of Acetylcholinesterase by (1S,3S)-Isomalathion Proceeds with Loss of Thiomethyl: Kinetic and Mass Spectral Evidence for an Unexpected Primary Leaving Group. <i>Chemical Research in Toxicology</i> , 2000, 13, 1313-1320. | 1.7 | 34 |
| 34 | Probing the Active Sites of Butyrylcholinesterase and Cholesterol Esterase with Isomalathion: Conserved Stereoselective Inactivation of Serine Hydrolases Structurally Related to Acetylcholinesterase. <i>Chemical Research in Toxicology</i> , 2001, 14, 807-813. | 1.7 | 33 |
| 35 | Relative Inhibitory Potencies of Chlorpyrifos Oxon, Chlorpyrifos Methyl Oxon, and Mipafox for Acetylcholinesterase Versus Neuropathy Target Esterase. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2003, 66, 1145-1157. | 1.1 | 31 |
| 36 | The Effects of Occupational Exposure to Chlorpyrifos on the Neurologic Examination of Central Nervous System Function: A Prospective Cohort Study. <i>Journal of Occupational and Environmental Medicine</i> , 2004, 46, 367-378. | 0.9 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Dose-Effect Analyses of Occupational Chlorpyrifos Exposure and Peripheral Nerve Electrophysiology. <i>Toxicological Sciences</i> , 2007, 97, 196-204. | 1.4 | 30 |
| 38 | BIOSENSOR DETECTION OF NEUROPATHY TARGET ESTERASE IN WHOLE BLOOD AS A BIOMARKER OF EXPOSURE TO NEUROPATHIC ORGANOPHOSPHORUS COMPOUNDS. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2003, 66, 599-610. | 1.1 | 29 |
| 39 | Protease-activated receptor-1 mediates protection elicited by thrombin preconditioning in a rat 6-hydroxydopamine model of Parkinson's disease. <i>Brain Research</i> , 2006, 1116, 177-186. | 1.1 | 29 |
| 40 | Motor neuron disease due to neuropathy target esterase gene mutation: Clinical features of the index families. <i>Muscle and Nerve</i> , 2011, 43, 19-25. | 1.0 | 29 |
| 41 | Paraoxonase status and plasma butyrylcholinesterase activity in chlorpyrifos manufacturing workers. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2010, 20, 79-89. | 1.8 | 28 |
| 42 | New Multifunctional Agents Based on Conjugates of 4-Amino-2,3-polymethylenequinoline and Butylated Hydroxytoluene for Alzheimer's Disease Treatment. <i>Molecules</i> , 2020, 25, 5891. | 1.7 | 28 |
| 43 | Interactions of Organophosphorus Compounds with Neurotoxic Esterase. , 1992, , 299-323. | | 27 |
| 44 | Kinetic Evidence for Different Mechanisms of Acetylcholinesterase Inhibition by (1R)- and (1S)-Stereoisomers of Isomalathion. <i>Toxicology and Applied Pharmacology</i> , 1999, 155, 43-53. | 1.3 | 27 |
| 45 | Nanostructured Biosensor for Measuring Neuropathy Target Esterase Activity. <i>Analytical Chemistry</i> , 2007, 79, 5196-5203. | 3.2 | 27 |
| 46 | Kinetics and mechanism of inhibition of serine esterases by fluorinated aminophosphonates. <i>Chemico-Biological Interactions</i> , 2010, 187, 177-184. | 1.7 | 26 |
| 47 | New Hybrids of 4-Amino-2,3-polymethylene-quinoline and p-Tolylsulfonamide as Dual Inhibitors of Acetyl- and Butyrylcholinesterase and Potential Multifunctional Agents for Alzheimer's Disease Treatment. <i>Molecules</i> , 2020, 25, 3915. | 1.7 | 26 |
| 48 | Conjugates of methylene blue with \hat{I}^3 -carboline derivatives as new multifunctional agents for the treatment of neurodegenerative diseases. <i>Scientific Reports</i> , 2019, 9, 4873. | 1.6 | 25 |
| 49 | Relative Potencies of the Four Stereoisomers of Isomalathion for Inhibition of Hen Brain Acetylcholinesterase and Neurotoxic Esterase in Vitro. <i>Toxicology and Applied Pharmacology</i> , 1996, 139, 342-348. | 1.3 | 24 |
| 50 | Biosensor assay of neuropathy target esterase in whole blood as a new approach to OPIDN risk assessment: review of progress. <i>Human and Experimental Toxicology</i> , 2007, 26, 273-282. | 1.1 | 24 |
| 51 | Absence of sensory neuropathy among workers with occupational exposure to chlorpyrifos. <i>Muscle and Nerve</i> , 2004, 29, 677-686. | 1.0 | 23 |
| 52 | Synthesis, molecular docking, and biological activity of 2-vinyl chromones: Toward selective butyrylcholinesterase inhibitors for potential Alzheimer's disease therapeutics. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 4716-4725. | 1.4 | 23 |
| 53 | Synthesis, molecular docking, and biological evaluation of 3-oxo-2-tolylhydrazinylidene-4,4,4-trifluorobutanoates bearing higher and natural alcohol moieties as new selective carboxylesterase inhibitors. <i>Bioorganic Chemistry</i> , 2019, 91, 103097. | 2.0 | 23 |
| 54 | Constructs of human neuropathy target esterase catalytic domain containing mutations related to motor neuron disease have altered enzymatic properties. <i>Toxicology Letters</i> , 2010, 196, 67-73. | 0.4 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Amiridine-piperazine hybrids as cholinesterase inhibitors and potential multitarget agents for Alzheimer's disease treatment. <i>Bioorganic Chemistry</i> , 2021, 112, 104974. | 2.0 | 22 |
| 56 | Fluorinated $\hat{\pm}$ -aminophosphonates" a new type of irreversible inhibitors of serine hydrolases. <i>Doklady Biochemistry and Biophysics</i> , 2005, 400, 92-95. | 0.3 | 21 |
| 57 | Motor neuron disease due to neuropathy target esterase mutation: Enzyme analysis of fibroblasts from human subjects yields insights into pathogenesis. <i>Toxicology Letters</i> , 2010, 199, 1-5. | 0.4 | 21 |
| 58 | Tethered Lipid Bilayers on Electrolessly Deposited Gold for Bioelectronic Applications. <i>Biomacromolecules</i> , 2006, 7, 3327-3335. | 2.6 | 20 |
| 59 | Effects of occupational exposure to chlorpyrifos on neuropsychological function: A prospective longitudinal study. <i>NeuroToxicology</i> , 2014, 41, 44-53. | 1.4 | 20 |
| 60 | Electrophysiologic changes following treatment with organophosphorus-induced delayed neuropathy-producing agents in the adult hen. <i>Toxicology and Applied Pharmacology</i> , 1987, 87, 420-429. | 1.3 | 19 |
| 61 | Crystal Structure of Patatin-17 in Complex with Aged and Non-Aged Organophosphorus Compounds. <i>PLoS ONE</i> , 2014, 9, e108245. | 1.1 | 19 |
| 62 | Neurotoxicity produced by intracranial administration of methylmercury in rats. <i>Toxicology and Applied Pharmacology</i> , 1974, 29, 289-300. | 1.3 | 18 |
| 63 | Influence of lysophospholipid hydrolysis by the catalytic domain of neuropathy target esterase on the fluidity of bilayer lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1533-1539. | 1.4 | 18 |
| 64 | Homology models of mouse and rat estrogen receptor- $\hat{\pm}$ ligand-binding domain created by in silico mutagenesis of a human template: Molecular docking with $17\hat{1}^2$ -estradiol, diethylstilbestrol, and paraben analogs. <i>Computational Toxicology</i> , 2019, 10, 1-16. | 1.8 | 18 |
| 65 | Time course of electrophysiologic effects induced by Di- <i>n</i> -butyl-2,2-dichlorovinyl phosphate (DBCVP) in the adult hen. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1988, 23, 283-294. | 1.1 | 17 |
| 66 | Stereoselective Inactivation of <i>Torpedo californica</i> Acetylcholinesterase by Isomalathion: Inhibitory Reactions with (1R)- and (1S)-Isomers Proceed by Different Mechanisms. <i>Chemical Research in Toxicology</i> , 2003, 16, 958-965. | 1.7 | 17 |
| 67 | Aging of Mipaflox-Inhibited Human Acetylcholinesterase Proceeds by Displacement of Both Isopropylamine Groups to Yield a Phosphate Adduct. <i>Chemical Research in Toxicology</i> , 2006, 19, 334-339. | 1.7 | 17 |
| 68 | Mechanism of Aging of Mipaflox-Inhibited Butyrylcholinesterase. <i>Chemical Research in Toxicology</i> , 2007, 20, 504-510. | 1.7 | 17 |
| 69 | Synthesis, molecular docking, and biological activity of polyfluoroalkyl dihydroazolo[5,1-c][1,2,4]triazines as selective carboxylesterase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3997-4007. | 1.4 | 17 |
| 70 | Metabolites of n-Butylparaben and iso-Butylparaben Exhibit Estrogenic Properties in MCF-7 and T47D Human Breast Cancer Cell Lines. <i>Toxicological Sciences</i> , 2018, 164, 50-59. | 1.4 | 17 |
| 71 | Current status and future directions for diagnostic markers of drug-induced vascular injury. <i>Cancer Biomarkers</i> , 2005, 1, 15-28. | 0.8 | 16 |
| 72 | The effect of thrombin on a 6-hydroxydopamine model of Parkinson's disease depends on timing. <i>Behavioural Brain Research</i> , 2007, 183, 161-168. | 1.2 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Neuropathy Target Esterase. , 2010, , 1435-1455. | | 16 |
| 74 | Evaluation of von Willebrand Factor and von Willebrand Factor Propeptide in Models of Vascular Endothelial Cell Activation, Perturbation, and/or Injury. Toxicologic Pathology, 2014, 42, 672-683. | 0.9 | 16 |
| 75 | Further studies toward a mouse model for biochemical assessment of neuropathic potential of organophosphorus compounds. Journal of Applied Toxicology, 2014, 34, 1426-1435. | 1.4 | 16 |
| 76 | Biosensor analysis of blood esterases for organophosphorus compounds exposure assessment: Approaches to simultaneous determination of several esterases. Chemico-Biological Interactions, 2010, 187, 312-317. | 1.7 | 15 |
| 77 | On-site monitoring of occupational exposure to volatile organic compounds by a portable comprehensive 2-dimensional gas chromatography device. Analytical Methods, 2018, 10, 237-244. | 1.3 | 15 |
| 78 | Improved Electrochemical Analysis of Neuropathy Target Esterase Activity by a Tyrosinase Carbon Paste Electrode Modified by 1-Methoxyphenazine Methosulfate. Biotechnology Letters, 2005, 27, 1211-1218. | 1.1 | 14 |
| 79 | Conjugation of Aminoadamantane and $\hat{1}^3$ -Carboline Pharmacophores Gives Rise to Unexpected Properties of Multifunctional Ligands. Molecules, 2021, 26, 5527. | 1.7 | 14 |
| 80 | Kinetics of heat inactivation of phenyl valerate hydrolases from hen and rat brain. Biochemical Pharmacology, 1987, 36, 3181-3185. | 2.0 | 13 |
| 81 | QUANTITATIVE STRUCTURE-ACTIVITY RELATIONSHIPS PREDICT THE DELAYED NEUROTOXICITY POTENTIAL OF A SERIES OF <i>O</i> -ALKYL- <i>O</i> -METHYLCHLOROFORMIMINO PHENYLPHOSPHONATES. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2003, 66, 611-625. | 1.1 | 13 |
| 82 | Evidence for the Nitric Oxide Pathway as a Potential Mode of Action in Fenoldopam-induced Vascular Injury. Toxicologic Pathology, 2012, 40, 874-886. | 0.9 | 13 |
| 83 | Novel potent bifunctional carboxylesterase inhibitors based on a polyfluoroalkyl-2-imino-1,3-dione scaffold. European Journal of Medicinal Chemistry, 2021, 218, 113385. | 2.6 | 13 |
| 84 | Organophosphate Poisoning, Delayed Neurotoxicity. , 2005, , 302-306. | | 12 |
| 85 | Chlorpyrifos exposure and biological monitoring among manufacturing workers. Occupational and Environmental Medicine, 2006, 63, 218-220. | 1.3 | 12 |
| 86 | Solubilization of hen brain neurotoxic esterase in dimethylsulfoxide. Biochemical and Biophysical Research Communications, 1985, 132, 81-87. | 1.0 | 11 |
| 87 | Anticholinesterase Insecticides. , 0, , 89-127. | | 11 |
| 88 | Neuropathy target esterase in mouse whole blood as a biomarker of exposure to neuropathic organophosphorus compounds. Journal of Applied Toxicology, 2016, 36, 1468-1475. | 1.4 | 11 |
| 89 | Conjugates of Tacrine with Salicylamide as Promising Multitarget Agents for Alzheimer's Disease. ChemMedChem, 2022, 17, e202200080. | 1.6 | 11 |
| 90 | DFP mononeuropathy: Evidence for a peripheral site of initiation. Brain Research, 1980, 184, 248-251. | 1.1 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Theoretical and experimental study of bi-enzyme electrodes with substrate recycling. <i>Journal of Electroanalytical Chemistry</i> , 2010, 641, 104-110. | 1.9 | 10 |
| 92 | A layer-by-layer tyrosinase biosensor for assay of carboxylesterase and neuropathy target esterase activities in blood. <i>Analytical Methods</i> , 2013, 5, 3872. | 1.3 | 10 |
| 93 | Bis-Amiridines as Acetylcholinesterase and Butyrylcholinesterase Inhibitors: N-Functionalization Determines the Multitarget Anti-Alzheimer's Activity Profile. <i>Molecules</i> , 2022, 27, 1060. | 1.7 | 10 |
| 94 | Partial characterization of neurotoxic esterase of human placenta. <i>Toxicology Letters</i> , 1983, 15, 13-17. | 0.4 | 8 |
| 95 | POTENTIATION OF ORGANOPHOSPHORUS COMPOUND-INDUCED DELAYED NEUROTOXICITY (OPIDN) IN THE CENTRAL AND PERIPHERAL NERVOUS SYSTEM OF THE ADULT HEN: DISTRIBUTION OF AXONAL LESIONS. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1997, 51, 571-590. | 1.1 | 8 |
| 96 | Esterase profile of O-phosphorylated ethyltrifluorolactates in prediction of their therapeutic and toxic effects. <i>Doklady Biochemistry and Biophysics</i> , 2012, 443, 81-85. | 0.3 | 8 |
| 97 | Mixed Inhibition of Adenosine Deaminase Activity by 1,3-Dinitrobenzene: A Model for Understanding Cell-Selective Neurotoxicity in Chemically-Induced Energy Deprivation Syndromes in Brain. <i>Toxicological Sciences</i> , 2012, 125, 509-521. | 1.4 | 7 |
| 98 | Neuropathy Target Esterase as a Biomarker and Biosensor of Delayed Neuropathic Agents. , 2015, , 935-952. | | 7 |
| 99 | Chlorpyrifos: Assessment of Potential for Delayed Neurotoxicity by Repeated Dosing in Adult Hens with Monitoring of Brain Acetylcholinesterase, Brain and Lymphocyte Neurotoxic Esterase, and Plasma Butyrylcholinesterase Activities. <i>Toxicological Sciences</i> , 1993, 21, 89-96. | 1.4 | 6 |
| 100 | Synthesis of 2-arylhydrazinylidene-3-oxo-4,4,4-trifluorobutanoic acids as new selective carboxylesterase inhibitors and radical scavengers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 126716. | 1.0 | 6 |
| 101 | Diethyl [2,2,2-trifluoro-1-phenylsulfonylamino-1-(trifluoromethyl)ethyl]phosphonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1425-o1425. | 0.2 | 6 |
| 102 | Bis- β^3 -carbolines as new potential multitarget agents for Alzheimer's disease. <i>Pure and Applied Chemistry</i> , 2020, 92, 1057-1080. | 0.9 | 6 |
| 103 | Biomarkers and Biosensors of Delayed Neuropathic Agents. , 2009, , 859-876. | | 4 |
| 104 | Inhibition of Neurotoxic Esterase in Vitro by Novel Carbamates. <i>Toxicology and Applied Pharmacology</i> , 1997, 143, 173-178. | 1.3 | 3 |
| 105 | POTENTIATION OF ORGANOPHOSPHORUS COMPOUND-INDUCED DELAYED NEUROTOXICITY (OPIDN) IN THE CENTRAL AND PERIPHERAL NERVOUS SYSTEM OF THE ADULT HEN: DISTRIBUTION OF AXONAL LESIONS. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1997, 51, 571-590. | 1.1 | 3 |
| 106 | Kinetics and mechanism of inhibition of serine esterases by fluorinated carbethoxy 1-aminophosphonates. <i>Doklady Biochemistry and Biophysics</i> , 2013, 451, 203-206. | 0.3 | 2 |
| 107 | Esterase profiles of hexafluoropropan-2-ol-based dialkyl phosphates as a major determinant of their effects in mouse brain in vivo. <i>Russian Chemical Bulletin</i> , 2015, 64, 2203-2209. | 0.4 | 2 |
| 108 | (O,O-Dibutyl)-O-1-trifluoromethyl-2,2,2-trifluoroethyl phosphate (BFP): A selective inhibitor of mouse plasma carboxylesterase. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 1589-1590. | 0.8 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Portable multi-dimensional gas chromatography device for rapid field analysis of chemical compounds. , 2017, , . | | 2 |
| 110 | Inhibition of Acetylcholinesterases by Stereoisomeric Organophosphorus Compounds Containing Both Thioester and p-Nitrophenyl Leaving Groups. Chemical Research in Toxicology, 2020, 33, 2455-2466. | 1.7 | 2 |
| 111 | Inhibition of Hen Brain Acetylcholinesterase and Neurotoxic Esterase by Chlorpyrifos in Vivo and Kinetics of Inhibition by Chlorpyrifos Oxon in Vitro: Application to Assessment of Neuropathic Risk. Toxicological Sciences, 1993, 20, 273-279. | 1.4 | 1 |
| 112 | Quantitative Structure-Activity Relationships Predict the Delayed Neurotoxicity Potential of a Series of O -Alkyl- O -Methylchloroformimino Phenylphosphonates. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2003, 66, 611-625. | 1.1 | 1 |
| 113 | Toxicant interactions with macromolecular targets. , 2020, , 45-57. | | 0 |
| 114 | Neuropathy target esterase as a biomarker and biosensor of delayed neuropathic agents. , 2020, , 1005-1025. | | 0 |
| 115 | Isomalathion Stereoisomers. , 1998, , 531-538. | | 0 |