

Daniel Jun

List of Publications by Year in descending order

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papers

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71102

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284
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times ranked

4697
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Condensed and Hydrolysable Tannins as Antioxidants Influencing the Health. Mini-Reviews in Medicinal Chemistry, 2008, 8, 436-447. | 2.4 | 218 |
| 2 | Structural Requirements of Acetylcholinesterase Reactivators. Mini-Reviews in Medicinal Chemistry, 2006, 6, 269-277. | 2.4 | 199 |
| 3 | Treatment of Organophosphate Intoxication Using Cholinesterase Reactivators: Facts and Fiction. Mini-Reviews in Medicinal Chemistry, 2007, 7, 461-466. | 2.4 | 126 |
| 4 | In vitro and in vivo evaluation of pyridinium oximes: Mode of interaction with acetylcholinesterase, effect on tabun- and soman-poisoned mice and their cytotoxicity. Toxicology, 2006, 219, 85-96. | 4.2 | 124 |
| 5 | Phosphatidylinositol 3-Kinase (PI3K) and Phosphatidylinositol 3-Kinase-Related Kinase (PIKK) Inhibitors: Importance of the Morpholine Ring. Journal of Medicinal Chemistry, 2015, 58, 41-71. | 6.4 | 122 |
| 6 | Tacrine-Trolox Hybrids: A Novel Class of Centrally Active, Nonhepatotoxic Multi-Target-Directed Ligands Exerting Anticholinesterase and Antioxidant Activities with Low In Vivo Toxicity. Journal of Medicinal Chemistry, 2015, 58, 8985-9003. | 6.4 | 121 |
| 7 | Acetylcholinesterases – the structural similarities and differences. Journal of Enzyme Inhibition and Medicinal Chemistry, 2007, 22, 417-424. | 5.2 | 110 |
| 8 | Design of a Potent Reactivator of Tabun-Inhibited Acetylcholinesterase Synthesis and Evaluation of (E)-1-(4-Carbamoylpyridinium)-4-(4-hydroxyiminomethylpyridinium)-but-2-ene Dibromide (K203). Journal of Medicinal Chemistry, 2007, 50, 5514-5518. | 6.4 | 100 |
| 9 | A Resurrection of 7-MEOTA: A Comparison with Tacrine. Current Alzheimer Research, 2013, 10, 893-906. | 1.4 | 92 |
| 10 | Possible Role of Hydroxylated Metabolites of Tacrine in Drug Toxicity and Therapy of Alzheimers Disease. Current Drug Metabolism, 2008, 9, 332-335. | 1.2 | 83 |
| 11 | The Antioxidant Additive Approach for Alzheimer's Disease Therapy: New Ferulic (Lipoic) Acid Plus Melatonin Modified Tacrines as Cholinesterases Inhibitors, Direct Antioxidants, and Nuclear Factor (Erythroid-Derived 2)-Like 2 Activators. Journal of Medicinal Chemistry, 2016, 59, 9967-9973. | 6.4 | 83 |
| 12 | Design and synthesis of new bis-pyridinium oxime reactivators for acetylcholinesterase inhibited by organophosphorous nerve agents. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 2914-2917. | 2.2 | 82 |
| 13 | Metabolic Pathways of T-2 Toxin. Current Drug Metabolism, 2008, 9, 77-82. | 1.2 | 81 |
| 14 | Progress in Synthesis of New Acetylcholinesterase Reactivators During the Period 1990-2004. Current Organic Chemistry, 2007, 11, 229-238. | 1.6 | 78 |
| 15 | SAR study to find optimal cholinesterase reactivator against organophosphorous nerve agents and pesticides. Archives of Toxicology, 2016, 90, 2831-2859. | 4.2 | 75 |
| 16 | Novel tacrine-tryptophan hybrids: Multi-target directed ligands as potential treatment for Alzheimer's disease. European Journal of Medicinal Chemistry, 2019, 168, 491-514. | 5.5 | 75 |
| 17 | Acetylcholinesterase and Butyrylcholinesterase – Important Enzymes of Human Body. Acta Medica (Hradec Kralove), 2004, 47, 215-228. | 0.5 | 74 |
| 18 | Synthesis of the novel series of bispyridinium compounds bearing (E)-but-2-ene linker and evaluation of their reactivation activity against chlorpyrifos-inhibited acetylcholinesterase. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 622-627. | 2.2 | 65 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Chemical Aspects of Pharmacological Prophylaxis Against Nerve Agent Poisoning. <i>Current Medicinal Chemistry</i> , 2009, 16, 2977-2986. | 2.4 | 65 |
| 20 | Targeting copper(II)-induced oxidative stress and the acetylcholinesterase system in Alzheimer's disease using multifunctional tacrine-coumarin hybrid molecules. <i>Journal of Inorganic Biochemistry</i> , 2016, 161, 52-62. | 3.5 | 63 |
| 21 | Synthesis of monooxime-monocarbamoyl bispyridinium compounds bearing (E)-but-2-ene linker and evaluation of their reactivation activity against tabun- and paraoxon-inhibited acetylcholinesterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 70-76. | 5.2 | 61 |
| 22 | Currently Used Cholinesterase Reactivators Against Nerve Agent Intoxication: Comparison of Their Effectivity in Vitro. <i>Drug and Chemical Toxicology</i> , 2007, 30, 31-40. | 2.3 | 56 |
| 23 | Oxidative stress in organophosphate poisoning: role of standard antidotal therapy. <i>Journal of Applied Toxicology</i> , 2018, 38, 1058-1070. | 2.8 | 56 |
| 24 | Improvement of acetylcholinesterase-based assay for organophosphates in way of identification by reactivators. <i>Talanta</i> , 2008, 77, 451-454. | 5.5 | 55 |
| 25 | Isoquinoline Alkaloids from <i>Berberis vulgaris</i> as Potential Lead Compounds for the Treatment of Alzheimer's Disease. <i>Journal of Natural Products</i> , 2019, 82, 239-248. | 3.0 | 55 |
| 26 | Effective bisquaternary reactivators of tabun-inhibited AChE. <i>Journal of Applied Toxicology</i> , 2005, 25, 491-495. | 2.8 | 54 |
| 27 | Mycotoxin Assays Using Biosensor Technology: A Review. <i>Drug and Chemical Toxicology</i> , 2007, 30, 253-261. | 2.3 | 53 |
| 28 | Pseudo-catalytic scavenging: Searching for a suitable reactivator of phosphorylated butyrylcholinesterase. <i>Chemico-Biological Interactions</i> , 2010, 187, 167-171. | 4.0 | 53 |
| 29 | A newly developed oxime K203 is the most effective reactivator of tabun-inhibited acetylcholinesterase. <i>BMC Pharmacology & Toxicology</i> , 2018, 19, 8. | 2.4 | 53 |
| 30 | Synthesis of a novel series of bispyridinium compounds bearing a xylene linker and evaluation of their reactivation activity against chlorpyrifos-inhibited acetylcholinesterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2005, 20, 409-415. | 5.2 | 52 |
| 31 | Monooxime reactivators of acetylcholinesterase with (E)-but-2-ene linker—Preparation and reactivation of tabun- and paraoxon-inhibited acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 6733-6741. | 3.0 | 52 |
| 32 | Pretreatment with pyridinium oximes improves antidotal therapy against tabun poisoning. <i>Toxicology</i> , 2006, 228, 41-50. | 4.2 | 51 |
| 33 | HPLC Analysis of H ₂ O ₂ Dichloride and Dimethanesulfonate—Antidotes against Nerve Agents and Organophosphorus Pesticides. <i>Analytical Letters</i> , 2007, 40, 2783-2787. | 1.8 | 51 |
| 34 | Organophosphate hydrolases as catalytic bioscavengers of organophosphorus nerve agents. <i>Toxicology Letters</i> , 2011, 206, 14-23. | 0.8 | 49 |
| 35 | Prolyl oligopeptidase and its role in the organism: attention to the most promising and clinically relevant inhibitors. <i>Future Medicinal Chemistry</i> , 2017, 9, 1015-1038. | 2.3 | 48 |
| 36 | Amperometric Biosensors for Real Time Assays of Organophosphates. <i>Sensors</i> , 2008, 8, 5303-5312. | 3.8 | 47 |

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| 37 | Synthesis of a novel series of non-symmetrical bispyridinium compounds bearing a xylene linker and evaluation of their reactivation activity against tabun and paraoxon-inhibited acetylcholinesterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007, 22, 425-432. | 5.2 | 45 |
| 38 | Profiling donepezil template into multipotent hybrids with antioxidant properties. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 583-606. | 5.2 | 44 |
| 39 | From Pyridinium-based to Centrally Active Acetylcholinesterase Reactivators. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014, 14, 215-221. | 2.4 | 44 |
| 40 | The Acute Toxicity of Acetylcholinesterase Reactivators in Mice in Relation to Their Structure. <i>Neurotoxicity Research</i> , 2006, 9, 291-296. | 2.7 | 43 |
| 41 | Influence of the Acetylcholinesterase Active Site Protonation on Omega Loop and Active Site Dynamics. <i>Journal of Biomolecular Structure and Dynamics</i> , 2010, 28, 393-403. | 3.5 | 43 |
| 42 | Amaryllidaceae alkaloids from <i>Narcissus pseudonarcissus</i> L. cv. Dutch Master as potential drugs in treatment of Alzheimer's disease. <i>Phytochemistry</i> , 2019, 165, 112055. | 2.9 | 43 |
| 43 | Novel series of bispyridinium compounds bearing a (Z)-but-2-ene linker—Synthesis and evaluation of their reactivation activity against tabun and paraoxon-inhibited acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 3172-3176. | 2.2 | 40 |
| 44 | Oxime reactivation of acetylcholinesterase inhibited by toxic phosphorus esters: in vitro kinetics and thermodynamics. <i>Journal of Applied Biomedicine</i> , 2005, 3, 91-99. | 1.7 | 40 |
| 45 | New methods in synthesis of acetylcholinesterase reactivators and evaluation of their potency to reactivate cyclosarin-inhibited AChE. <i>Chemical Papers</i> , 2006, 60, . | 2.2 | 39 |
| 46 | <i>In vitro</i> oxime-assisted reactivation of paraoxon-inhibited human acetylcholinesterase and butyrylcholinesterase. <i>Clinical Toxicology</i> , 2009, 47, 545-550. | 1.9 | 38 |
| 47 | Changes of acetylcholinesterase activity in different rat brain areas following intoxication with nerve agents: Biochemical and histochemical study. <i>Chemico-Biological Interactions</i> , 2007, 165, 14-21. | 4.0 | 37 |
| 48 | Russian VX: Inhibition and Reactivation of Acetylcholinesterase Compared with VX Agent. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2006, 98, 389-394. | 2.5 | 36 |
| 49 | Synthesis of asymmetrical bispyridinium compounds bearing cyano-moiety and evaluation of their reactivation activity against tabun and paraoxon-inhibited acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5673-5676. | 2.2 | 35 |
| 50 | 7-Methoxytacrine-p-Anisidine Hybrids as Novel Dual Binding Site Acetylcholinesterase Inhibitors for Alzheimer's Disease Treatment. <i>Molecules</i> , 2015, 20, 22084-22101. | 3.8 | 35 |
| 51 | Design, Synthesis and in vitro Evaluation of Indolotacrine Analogues as Multitarget-Directed Ligands for the Treatment of Alzheimer's Disease. <i>ChemMedChem</i> , 2016, 11, 1264-1269. | 3.2 | 35 |
| 52 | Alkaloids from <i>Narcissus poeticus</i> cv. Pink Parasol of various structural types and their biological activity. <i>Archives of Pharmacal Research</i> , 2018, 41, 208-218. | 6.3 | 35 |
| 53 | Novel Tacrine-Scutellarin Hybrids as Multipotent Anti-Alzheimer's Agents: Design, Synthesis and Biological Evaluation. <i>Molecules</i> , 2017, 22, 1006. | 3.8 | 32 |
| 54 | New quaternary pyridine aldoximes as casual antidotes against nerve agents intoxications. <i>Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia</i> , 2005, 149, 75-82. | 0.6 | 32 |

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| 55 | Cholinesterase Reactivators: The Fate and Effects in the Organism Poisoned with Organophosphates/Nerve Agents. <i>Current Drug Metabolism</i> , 2007, 8, 803-809. | 1.2 | 31 |
| 56 | Potency of several oximes to reactivate human acetylcholinesterase and butyrylcholinesterase inhibited by paraoxon in vitro. <i>Chemico-Biological Interactions</i> , 2008, 175, 421-424. | 4.0 | 31 |
| 57 | The summary on non-reactivation cholinergic properties of oxime reactivators: the interaction with muscarinic and nicotinic receptors. <i>Archives of Toxicology</i> , 2013, 87, 711-719. | 4.2 | 31 |
| 58 | TLC Analysis of Intermediates Arising During the Preparation of Oxime HI-6 Dimethanesulfonate. <i>Journal of Chromatographic Science</i> , 2008, 46, 316-319. | 1.4 | 30 |
| 59 | Cholinesterase Biosensor Construction – A Review. <i>Protein and Peptide Letters</i> , 2008, 15, 795-798. | 0.9 | 30 |
| 60 | Isoquinoline Alkaloids from <i>Fumaria officinalis</i> L. and Their Biological Activities Related to Alzheimer's Disease. <i>Chemistry and Biodiversity</i> , 2016, 13, 91-99. | 2.1 | 30 |
| 61 | Synthesis of Bispyridinium Compounds Bearing Propane Linker and Evaluation of their Reactivation Activity against Tabun- and Paraoxon-Inhibited Acetylcholinesterase. <i>Letters in Organic Chemistry</i> , 2006, 3, 831-835. | 0.5 | 30 |
| 62 | The influence of simvastatin, atorvastatin and high-cholesterol diet on acetylcholinesterase activity, amyloid beta and cholesterol synthesis in rat brain. <i>Steroids</i> , 2009, 74, 13-19. | 1.8 | 29 |
| 63 | Acetylcholinesterase and butyrylcholinesterase—important enzymes of human body. <i>Acta Medica (Hradec Kralove)</i> , 2004, 47, 215-28. | 0.5 | 29 |
| 64 | In Vitro Antiplatelet Activity of Flavonoids from <i>Leuzea Carthamoides</i> . <i>Drug and Chemical Toxicology</i> , 2008, 31, 27-35. | 2.3 | 28 |
| 65 | Design, synthesis and in vitro testing of 7-methoxytacrine-amantadine analogues: a novel cholinesterase inhibitors for the treatment of Alzheimer's disease. <i>Medicinal Chemistry Research</i> , 2015, 24, 2645-2655. | 2.4 | 28 |
| 66 | Progress in acetylcholinesterase reactivators and in the treatment of organophosphorus intoxication: a patent review (2006–2016). <i>Expert Opinion on Therapeutic Patents</i> , 2017, 27, 971-985. | 5.0 | 28 |
| 67 | Prophylaxis Against Nerve Agent Intoxications. <i>Defence Science Journal</i> , 2006, 56, 775-784. | 0.8 | 28 |
| 68 | Could oxime HI-6 really be considered as "broad-spectrum" antidote?. <i>Journal of Applied Biomedicine</i> , 2009, 7, 143-149. | 1.7 | 28 |
| 69 | Potency of new structurally different oximes to reactivate cyclosarin-inhibited human brain acetylcholinesterases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2006, 21, 663-666. | 5.2 | 26 |
| 70 | Reactivation of DFP- and paraoxon-inhibited acetylcholinesterases by pyridinium oximes. <i>Chemico-Biological Interactions</i> , 2008, 175, 365-367. | 4.0 | 26 |
| 71 | Oxime K027: novel low-toxic candidate for the universal reactivator of nerve agent- and pesticide-inhibited acetylcholinesterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010, 25, 509-512. | 5.2 | 26 |
| 72 | Development of 2-Methoxyhuprine as Novel Lead for Alzheimer's Disease Therapy. <i>Molecules</i> , 2017, 22, 1265. | 3.8 | 26 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Monoquaternary pyridinium salts with modified side chain synthesis and evaluation on model of tabun- and paraoxon-inhibited acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8218-8223. | 3.0 | 25 |
| 74 | In Vitro Ability of Currently Available Oximes to Reactivate Organophosphate Pesticide-Inhibited Human Acetylcholinesterase and Butyrylcholinesterase. <i>International Journal of Molecular Sciences</i> , 2011, 12, 2077-2087. | 4.1 | 25 |
| 75 | Tannins and their Influence on Health. , 2014, , 159-208. | | 25 |
| 76 | Reactivation of organophosphate-inhibited acetylcholinesterase by quaternary pyridinium aldoximes. <i>Neurotoxicity Research</i> , 2004, 6, 565-570. | 2.7 | 24 |
| 77 | Bis-pyridiumaldoxime reactivators connected with CH ₂ O(CH ₂) _n OCH ₂ linkers between pyridinium rings and their reactivity against VX. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 4852-4855. | 2.2 | 24 |
| 78 | An attempt to assess functionally minimal acetylcholinesterase activity necessary for survival of rats intoxicated with nerve agents. <i>Chemico-Biological Interactions</i> , 2008, 175, 281-285. | 4.0 | 24 |
| 79 | Discovery of novel berberine derivatives with balanced cholinesterase and prolyl oligopeptidase inhibition profile. <i>European Journal of Medicinal Chemistry</i> , 2020, 203, 112593. | 5.5 | 24 |
| 80 | Prophylaxis and Post-exposure Treatment of Intoxications Caused by Nerve Agents and Organophosphorus Pesticides. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013, 13, 2102-2115. | 2.4 | 24 |
| 81 | The Reactivating and Therapeutic Efficacy of Oximes to Counteract Russian VX Poisonings. <i>International Journal of Toxicology</i> , 2006, 25, 397-401. | 1.2 | 23 |
| 82 | Amperometric Biosensor for Evaluation of Competitive Cholinesterase Inhibition by the Reactivator HI-6. <i>Analytical Letters</i> , 2007, 40, 2351-2359. | 1.8 | 23 |
| 83 | A comparison of reactivating efficacy of newly developed oximes (K074, K075) and currently available oximes (obidoxime, HI-6) in soman, cyclosarin and tabun-poisoned rats. <i>Chemico-Biological Interactions</i> , 2008, 175, 425-427. | 4.0 | 23 |
| 84 | Isoquinoline alkaloids as prolyl oligopeptidase inhibitors. <i>FÄ-toterapÄ-Äç</i> , 2015, 103, 192-196. | 2.2 | 23 |
| 85 | Isolation of Amaryllidaceae alkaloids from <i>Nerine bowdenii</i> W. Watson and their biological activities. <i>RSC Advances</i> , 2016, 6, 80114-80120. | 3.6 | 23 |
| 86 | Exploring Structure-Activity Relationship in Tacrine-Squaramide Derivatives as Potent Cholinesterase Inhibitors. <i>Biomolecules</i> , 2019, 9, 379. | 4.0 | 23 |
| 87 | In Vitro and In Silico Acetylcholinesterase Inhibitory Activity of Thalictricavine and Canadine and Their Predicted Penetration across the Blood-Brain Barrier. <i>Molecules</i> , 2019, 24, 1340. | 3.8 | 23 |
| 88 | Inhibition of Acetylcholinesterase in Different Structures of the Rat Brain Following Soman Intoxication Pretreated with Huperzine A. <i>International Journal of Molecular Sciences</i> , 2007, 8, 1165-1176. | 4.1 | 22 |
| 89 | Synthesis and In Vitro Evaluation of N-(Bromobut-3-en-2-yl)-7-methoxy-1,2,3,4-tetrahydroacridin-9-amine as a Cholinesterase Inhibitor with Regard to Alzheimer's Disease Treatment. <i>Molecules</i> , 2010, 15, 8804-8812. | 3.8 | 22 |
| 90 | A 7-methoxytacrine-4-pyridinealdoxime hybrid as a novel prophylactic agent with reactivation properties in organophosphate intoxication. <i>Toxicology Research</i> , 2016, 5, 1012-1016. | 2.1 | 22 |

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| 91 | Cytotoxicity of acetylcholinesterase reactivators evaluated <i>in vitro</i> and its relation to their structure. <i>Drug and Chemical Toxicology</i> , 2019, 42, 252-256. | 2.3 | 22 |
| 92 | The wide-spectrum antimicrobial effect of novel N-alkyl monoquatary ammonium salts and their mixtures; the QSAR study against bacteria. <i>European Journal of Medicinal Chemistry</i> , 2020, 206, 112584. | 5.5 | 22 |
| 93 | In vitro reactivation potency of acetylcholinesterase reactivators "K074 and K075" to reactivate tabun-inhibited human brain cholinesterases. <i>Neurotoxicity Research</i> , 2007, 11, 101-106. | 2.7 | 21 |
| 94 | Evaluation of natural antioxidants of <i>Leuzea carthamoides</i> as a result of a screening study of 88 plant extracts from the European Asteraceae and Cichoriaceae. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 218-224. | 5.2 | 21 |
| 95 | Evaluation of natural substances from <i>Evolvulus alsinoides</i> L. with the purpose of determining their antioxidant potency. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 574-578. | 5.2 | 21 |
| 96 | Synthesis, in vitro acetylcholinesterase inhibitory activity and molecular docking of new acridine-coumarin hybrids. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 333-338. | 7.5 | 21 |
| 97 | (\pm)- BIGI-3h : Pentatarget-Directed Ligand combining Cholinesterase, Monoamine Oxidase, and Glycogen Synthase Kinase 3 β Inhibition with Calcium Channel Antagonism and Antiaggregating Properties for Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1328-1342. | 3.5 | 21 |
| 98 | Acetylcholinesterase Inhibitors and Drugs Acting on Muscarinic Receptors- Potential Crosstalk of Cholinergic Mechanisms During Pharmacological Treatment. <i>Current Neuropharmacology</i> , 2017, 15, 637-653. | 2.9 | 21 |
| 99 | Synthesis, Structure, and Cholinergic Effect of Novel Neuroprotective Compounds Bearing the Tacrine Pharmacophore. <i>Heterocycles</i> , 2008, 76, 1219. | 0.7 | 20 |
| 100 | Activity of cholinesterases in a young and healthy middle-European population: Relevance for toxicology, pharmacology and clinical praxis. <i>Toxicology Letters</i> , 2017, 277, 24-31. | 0.8 | 20 |
| 101 | Alkaloids of <i>Zephyranthes citrina</i> (Amaryllidaceae) and their implication to Alzheimer's disease: Isolation, structural elucidation and biological activity. <i>Bioorganic Chemistry</i> , 2021, 107, 104567. | 4.1 | 20 |
| 102 | Alkaloids from <i>Chlidanthus fragrans</i> and their acetylcholinesterase, butyrylcholinesterase and prolyl oligopeptidase activities. <i>Natural Product Communications</i> , 2013, 8, 1541-4. | 0.5 | 20 |
| 103 | Preparation of Benzalkonium Salts Differing in the Length of a Side Alkyl Chain. <i>Molecules</i> , 2007, 12, 2341-2347. | 3.8 | 19 |
| 104 | RP-HPLC determination of the lipophilicity of bispyridinium reactivators of acetylcholinesterase bearing a but-2-ene connecting linker. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 367-372. | 3.7 | 19 |
| 105 | The Influence of Acetylcholinesterase Reactivators on Selected Hepatic Functions in Rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008, 103, 119-123. | 2.5 | 19 |
| 106 | Preparation and characterization of methoxy polyethylene glycol-conjugated phosphotriesterase as a potential catalytic bioscavenger against organophosphate poisoning. <i>Chemico-Biological Interactions</i> , 2010, 187, 380-383. | 4.0 | 19 |
| 107 | Cholinesterase and Prolyl Oligopeptidase Inhibitory Activities of Alkaloids from <i>Argemone platyceras</i> (Papaveraceae). <i>Molecules</i> , 2017, 22, 1181. | 3.8 | 19 |
| 108 | Oxime K203: a drug candidate for the treatment of tabun intoxication. <i>Archives of Toxicology</i> , 2019, 93, 673-691. | 4.2 | 19 |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Synthesis and biological assessment of Kojotacrines as new agents for Alzheimer's disease therapy. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 163-170. | 5.2 | 19 |
| 110 | In vitro and in silico Evaluation of Non-Quaternary Reactivators of AChE as Antidotes of Organophosphorus Poisoning - a New Hope or a Blind Alley?. <i>Medicinal Chemistry</i> , 2018, 14, 281-292. | 1.5 | 19 |
| 111 | The development of ataxia telangiectasia mutated kinase inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014, 14, 1-1. | 2.4 | 18 |
| 112 | Novel Bisquaternary Oximes' Reactivation of Acetylcholinesterase and Butyrylcholinesterase Inhibited by Paraoxon. <i>Molecules</i> , 2009, 14, 4915-4921. | 3.8 | 17 |
| 113 | The effect of oxime reactivators on muscarinic receptors: Functional and binding examinations. <i>Environmental Toxicology and Pharmacology</i> , 2011, 31, 364-370. | 4.0 | 17 |
| 114 | Cholinergic properties of new 7-methoxytacrine-donepezil derivatives. <i>General Physiology and Biophysics</i> , 2015, 34, 189-200. | 0.9 | 17 |
| 115 | Tacrine ' Benzothiazoles: Novel class of potential multitarget anti-Alzheimer's drugs dealing with cholinergic, amyloid and mitochondrial systems. <i>Bioorganic Chemistry</i> , 2021, 107, 104596. | 4.1 | 17 |
| 116 | Application of Artificial Neural Networks in Condition Based Predictive Maintenance. <i>Studies in Computational Intelligence</i> , 2016, , 75-86. | 0.9 | 17 |
| 117 | A Comparison of the Potency of the Oxime HL-7 and Currently Used Oximes (HI-6, Pralidoxime,) Tj ETQq1 1 0.784314 rgBT /Overlo Acta Medica (Hradec Kralove), 2005, 48, 81-86. | 0.5 | 17 |
| 118 | In vitro reactivation potency of some acetylcholinesterase reactivators against sarin- and cyclosarin-induced inhibitions. <i>Journal of Applied Toxicology</i> , 2005, 25, 296-300. | 2.8 | 16 |
| 119 | Time-Course Changes of Acetylcholinesterase Activity in Blood and Some Tissues in Rats After Intoxication by Russian VX. <i>Neurotoxicity Research</i> , 2009, 16, 356-360. | 2.7 | 16 |
| 120 | Reactivation of Human Acetylcholinesterase and Butyrylcholinesterase Inhibited by Leptophos-Oxon with Different Oxime Reactivators in Vitro. <i>International Journal of Molecular Sciences</i> , 2010, 11, 2856-2863. | 4.1 | 16 |
| 121 | Molecular modeling studies on the interactions of aflatoxin B1 and its metabolites with the peripheral anionic site of human acetylcholinesterase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 2041-2048. | 3.5 | 16 |
| 122 | Aflatoxin Assay Using an Amperometric Sensor Strip and Acetylcholinesterase as Recognition Element. <i>Sensor Letters</i> , 2008, 6, 450-453. | 0.4 | 16 |
| 123 | Targeted Synthesis of 1-(4-Hydroxyiminomethylpyridinium)-3-pyridiniumpropane Dibromide ' A New Nerve Agent Reactivator. <i>Molecules</i> , 2007, 12, 1964-1972. | 3.8 | 15 |
| 124 | Photometric microplate assay for estimation of the efficacy of paraoxon-inhibited acetylcholinesterase reactivation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 781-784. | 5.2 | 15 |
| 125 | Synthesis, antimicrobial evaluation and molecular modeling of 5-hydroxyisoquinolinium salt series; the effect of the hydroxyl moiety. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 841-848. | 3.0 | 15 |
| 126 | Synthesis, in vitro screening and molecular docking of isoquinolinium-5-carbaldoximes as acetylcholinesterase and butyrylcholinesterase reactivators. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 478-488. | 5.2 | 15 |

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