

Kamil Kuca

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53
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1,089
ext. papers

20,539
ext. citations

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L-index

#	Paper	IF	Citations
1021	Redox- and non-redox-metal-induced formation of free radicals and their role in human disease. <i>Archives of Toxicology</i> , 2016 , 90, 1-37	5.8	507
1020	The antioxidant, immunomodulatory, and anti-inflammatory activities of Spirulina: an overview. <i>Archives of Toxicology</i> , 2016 , 90, 1817-40	5.8	234
1019	Biological degradation of aflatoxins. <i>Drug Metabolism Reviews</i> , 2009 , 41, 1-7	7	196
1018	Insect Antimicrobial Peptides, a Mini Review. <i>Toxins</i> , 2018 , 10,	4.9	180
1017	Outcomes of Alzheimer's disease therapy with acetylcholinesterase inhibitors and memantine. <i>Expert Opinion on Drug Safety</i> , 2014 , 13, 759-74	4.1	177
1016	Structural requirements of acetylcholinesterase reactivators. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006 , 6, 269-77	3.2	173
1015	Oxidative stress-mediated cytotoxicity and metabolism of T-2 toxin and deoxynivalenol in animals and humans: an update. <i>Archives of Toxicology</i> , 2014 , 88, 1309-26	5.8	169
1014	Condensed and hydrolysable tannins as antioxidants influencing the health. <i>Mini-Reviews in Medicinal Chemistry</i> , 2008 , 8, 436-47	3.2	157
1013	Metabolic pathways of trichothecenes. <i>Drug Metabolism Reviews</i> , 2010 , 42, 250-267	7	141
1012	Metabolism of aflatoxins: key enzymes and interindividual as well as interspecies differences. <i>Archives of Toxicology</i> , 2014 , 88, 1635-44	5.8	136
1011	Multitarget drug design strategy: quinone-tacrine hybrids designed to block amyloid- β aggregation and to exert anticholinesterase and antioxidant effects. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 8576-89	8.3	122
1010	Synthesis of a new reactivator of tabun-inhibited acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003 , 13, 3545-7	2.9	116
1009	Treatment of organophosphate intoxication using cholinesterase reactivators: facts and fiction. <i>Mini-Reviews in Medicinal Chemistry</i> , 2007 , 7, 461-6	3.2	110
1008	In vitro and in vivo evaluation of pyridinium oximes: mode of interaction with acetylcholinesterase, effect on tabun- and soman-poisoned mice and their cytotoxicity. <i>Toxicology</i> , 2006 , 219, 85-96	4.4	105
1007	Synthesis of a potential reactivator of acetylcholinesterase- β -(4-hydroxyiminomethylpyridinium)-3-(carbamoylpyridinium)propane dibromide. <i>Tetrahedron Letters</i> , 2003 , 44, 3123-3125	2	105
1006	Tacrine-Trolox Hybrids: A Novel Class of Centrally Active, Nonhepatotoxic Multi-Target-Directed Ligands Exerting Anticholinesterase and Antioxidant Activities with Low In Vivo Toxicity. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 8985-9003	8.3	102
1005	Phosphatidylinositol 3-Kinase (PI3K) and phosphatidylinositol 3-kinase-related kinase (PIKK) inhibitors: importance of the morpholine ring. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 41-71	8.3	101

1004	Socio-economic Aspects of Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2015 , 12, 903-11	3	96
1003	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). <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 5514-8	8.3	90
1002	JNK signaling in cancer cell survival. <i>Medicinal Research Reviews</i> , 2019 , 39, 2082-2104	14.4	89
1001	Assessment of acetylcholinesterase activity using indoxylacetate and comparison with the standard Ellman's method. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 2631-40	6.3	88
1000	On the limits of highest-occupied molecular orbital driven reactions: the frontier effective-for-reaction molecular orbital concept. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 1031-40	2.8	88
999	Adamantane - A Lead Structure for Drugs in Clinical Practice. <i>Current Medicinal Chemistry</i> , 2016 , 23, 3245-3266	4.3	88
998	Breast Cancer Detection Using Infrared Thermal Imaging and a Deep Learning Model. <i>Sensors</i> , 2018 , 18,	3.8	87
997	Design, evaluation and structure-activity relationship studies of the AChE reactivators against organophosphorus pesticides. <i>Medicinal Research Reviews</i> , 2011 , 31, 548-75	14.4	86
996	Metabolic pathways of ochratoxin A. <i>Current Drug Metabolism</i> , 2011 , 12, 1-10	3.5	86
995	Synthesis and biological evaluation of novel tacrine derivatives and tacrine-coumarin hybrids as cholinesterase inhibitors. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 7073-84	8.3	81
994	Acetylcholinesterases--the structural similarities and differences. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007 , 22, 417-24	5.6	80
993	Design and synthesis of new bis-pyridinium oxime reactivators for acetylcholinesterase inhibited by organophosphorous nerve agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005 , 15, 2914-7	2.9	79
992	Trichothecenes: structure-toxic activity relationships. <i>Current Drug Metabolism</i> , 2013 , 14, 641-60	3.5	77
991	A combined negative selection algorithm and particle swarm optimization for an email spam detection system. <i>Engineering Applications of Artificial Intelligence</i> , 2015 , 39, 33-44	7.2	76
990	A resurrection of 7-MEOTA: a comparison with tacrine. <i>Current Alzheimer Research</i> , 2013 , 10, 893-906	3	76
989	The Development of New Structural Analogues of Oximes for the Antidotal Treatment of Poisoning by Nerve Agents and the Comparison of Their Reactivating and Therapeutic Efficacy with Currently Available Oximes. <i>Current Organic Chemistry</i> , 2007 , 11, 267-283	1.7	75
988	Tacrine-resveratrol fused hybrids as multi-target-directed ligands against Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2017 , 127, 250-262	6.8	74
987	An evaluation of therapeutic and reactivating effects of newly developed oximes (K156, K203) and commonly used oximes (obidoxime, trimedoxime, HI-6) in tabun-poisoned rats and mice. <i>Toxicology</i> , 2008 , 243, 311-6	4.4	74

986	Possible role of hydroxylated metabolites of tacrine in drug toxicity and therapy of Alzheimer's disease. <i>Current Drug Metabolism</i> , 2008 , 9, 332-5	3.5	73
985	7-MEOTA-donepezil like compounds as cholinesterase inhibitors: Synthesis, pharmacological evaluation, molecular modeling and QSAR studies. <i>European Journal of Medicinal Chemistry</i> , 2014 , 82, 426-38	6.8	70
984	Metabolic pathways of T-2 toxin. <i>Current Drug Metabolism</i> , 2008 , 9, 77-82	3.5	68
983	Alzheimer's disease and language impairments: social intervention and medical treatment. <i>Clinical Interventions in Aging</i> , 2015 , 10, 1401-7	4	67
982	Molecular modeling of Mycobacterium tuberculosis DNA gyrase and its molecular docking study with gatifloxacin inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2010 , 27, 619-25	3.6	67
981	Deoxynivalenol: signaling pathways and human exposure risk assessment--an update. <i>Archives of Toxicology</i> , 2014 , 88, 1915-28	5.8	64
980	Trichothecenes: immunomodulatory effects, mechanisms, and anti-cancer potential. <i>Archives of Toxicology</i> , 2017 , 91, 3737-3785	5.8	62
979	Consequences of chronic diseases and other limitations associated with old age - a scoping review. <i>BMC Public Health</i> , 2019 , 19, 1431	4.1	61
978	SAR study to find optimal cholinesterase reactivator against organophosphorous nerve agents and pesticides. <i>Archives of Toxicology</i> , 2016 , 90, 2831-2859	5.8	59
977	Cognitive decline in normal aging and its prevention: a review on non-pharmacological lifestyle strategies. <i>Clinical Interventions in Aging</i> , 2017 , 12, 903-910	4	58
976	Construction and assessment of reaction models of class I EPSP synthase: molecular docking and density functional theoretical calculations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2009 , 27, 195-207	3.6	58
975	Chemical aspects of pharmacological prophylaxis against nerve agent poisoning. <i>Current Medicinal Chemistry</i> , 2009 , 16, 2977-86	4.3	57
974	Synthesis and in vitro evaluation of N-alkyl-7-methoxytacrine hydrochlorides as potential cholinesterase inhibitors in Alzheimer disease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 6093-5	2.9	57
973	Synthesis of the novel series of bispyridinium compounds bearing (E)-but-2-ene linker and evaluation of their reactivation activity against chlorpyrifos-inhibited acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 622-7	2.9	57
972	Multitarget Tacrine Hybrids with Neuroprotective Properties to Confront Alzheimer's Disease. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 1006-1026	3	55
971	Colorimetric dipstick for assay of organophosphate pesticides and nerve agents represented by paraoxon, sarin and VX. <i>Talanta</i> , 2010 , 81, 621-4	6.2	55
970	Progress of biosensors based on cholinesterase inhibition. <i>Current Medicinal Chemistry</i> , 2009 , 16, 1790-84.3	4.3	54
969	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	4.2	54

968	7-Methoxytacrine-adamantylamine heterodimers as cholinesterase inhibitors in Alzheimer's disease treatment--synthesis, biological evaluation and molecular modeling studies. <i>Molecules</i> , 2013 , 18, 2397-418	4.8	53
967	Evaluation of oxime k203 as antidote in tabun poisoning. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2009 , 60, 19-26	1.7	53
966	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, 70-6	5.6	53
965	Acetylcholinesterase and Butyrylcholinesterase Important Enzymes of Human Body. <i>Acta Medica (Hradec Kralove)</i> , 2004 , 47, 215-228	0.8	52
964	Arbuscular mycorrhizas modulate root polyamine metabolism to enhance drought tolerance of trifoliolate orange. <i>Environmental and Experimental Botany</i> , 2020 , 171, 103926	5.9	52
963	Mechanism of cyclosporine A nephrotoxicity: Oxidative stress, autophagy, and signalings. <i>Food and Chemical Toxicology</i> , 2018 , 118, 889-907	4.7	51
962	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	51
961	Effective bisquaternary reactivators of tabun-inhibited AChE. <i>Journal of Applied Toxicology</i> , 2005 , 25, 491-5	4.1	51
960	Chemical warfare agent NOVICHOK - mini-review of available data. <i>Food and Chemical Toxicology</i> , 2018 , 121, 343-350	4.7	51
959	Synthesis and antiproliferative activity of 8-hydroxyquinoline derivatives containing a 1,2,3-triazole moiety. <i>European Journal of Medicinal Chemistry</i> , 2014 , 84, 595-604	6.8	50
958	Fate of deoxynivalenol and deoxynivalenol-3-glucoside during cereal-based thermal food processing: a review study. <i>Mycotoxin Research</i> , 2017 , 33, 79-91	4	50
957	Improvement of acetylcholinesterase-based assay for organophosphates in way of identification by reactivators. <i>Talanta</i> , 2008 , 77, 451-4	6.2	50
956	Mycorrhizas enhance drought tolerance of citrus by altering root fatty acid compositions and their saturation levels. <i>Tree Physiology</i> , 2019 , 39, 1149-1158	4.2	49
955	Novel tacrine-tryptophan hybrids: Multi-target directed ligands as potential treatment for Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2019 , 168, 491-514	6.8	49
954	Flower-Based Green Synthesis of Metallic Nanoparticles: Applications beyond Fragrance. <i>Nanomaterials</i> , 2020 , 10,	5.4	49
953	Pseudo-catalytic scavenging: searching for a suitable reactivator of phosphorylated butyrylcholinesterase. <i>Chemico-Biological Interactions</i> , 2010 , 187, 167-71	5	49
952	Mycotoxin assays using biosensor technology: a review. <i>Drug and Chemical Toxicology</i> , 2007 , 30, 253-61	2.3	49
951	Pretreatment with pyridinium oximes improves antidotal therapy against tabun poisoning. <i>Toxicology</i> , 2006 , 228, 41-50	4.4	49

950	Synthesis of Bisquaternary Symmetric -X,δ-Bis(2-Hydroxyiminomethylpyridinium) Alkane Dibromides and Their Reactivation of Cyclosarin-Inhibited Acetylcholinesterase. <i>Letters in Organic Chemistry</i> , 2004 , 1, 84-86	0.6	48
949	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, 6733-41	3.4	47
948	HPLC Analysis of HI-6 Dichloride and Dimethanesulfonate Antidotes against Nerve Agents and Organophosphorus Pesticides. <i>Analytical Letters</i> , 2007 , 40, 2783-2787	2.2	47
947	Novichoks: The Dangerous Fourth Generation of Chemical Weapons. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	46
946	Development and Structural Modifications of Cholinesterase Reactivators against Chemical Warfare Agents in Last Decade: A Review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2015 , 15, 58-72	3.2	46
945	Reactivation of cyclosarin-inhibited rat brain acetylcholinesterase by pyridinium--oximes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2004 , 19, 39-43	5.6	46
944	Understanding the inactivation process of organophosphorus herbicides: A DFT study of glyphosate metallic complexes with Zn ²⁺ , Ca ²⁺ , Mg ²⁺ , Cu ²⁺ , Co ³⁺ , Fe ³⁺ , Cr ³⁺ , and Al ³⁺ . <i>International Journal of Quantum Chemistry</i> , 2012 , 112, 2752-2762	2.1	45
943	¹ HJFH coupling in 2-fluorophenol revisited: is intramolecular hydrogen bond responsible for this long-range coupling?. <i>Magnetic Resonance in Chemistry</i> , 2011 , 49, 763-7	2.1	45
942	Non-Pharmacological Approaches to the Prevention and Treatment of Alzheimer's Disease with Respect to the Rising Treatment Costs. <i>Current Alzheimer Research</i> , 2016 , 13, 1249-1258	3	45
941	Fruit and Vegetable Peels: Utilization of High Value Horticultural Waste in Novel Industrial Applications. <i>Molecules</i> , 2020 , 25,	4.8	44
940	Flexibility in the Molecular Design of Acetylcholinesterase Reactivators: Probing Representative Conformations by Chemometric Techniques and Docking/QM Calculations. <i>Letters in Drug Design and Discovery</i> , 2016 , 13, 360-371	0.8	44
939	Reactivation of organophosphate inhibited acetylcholinesterase activity by bis-(4-hydroxyiminomethylpyridinium)alkanes in vitro. <i>Journal of Applied Biomedicine</i> , 2003 , 1, 207-211	0.6	44
938	The role of hypoxia-inducible factor 1 in tumor immune evasion. <i>Medicinal Research Reviews</i> , 2021 , 41, 1622-1643	14.4	44
937	Orbital signatures as a descriptor of regioselectivity and chemical reactivity: the role of the frontier orbitals on 1,3-dipolar cycloadditions. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 824-33	2.8	43
936	Characterization of deoxynivalenol-induced anorexia using mouse bioassay. <i>Food and Chemical Toxicology</i> , 2011 , 49, 1863-9	4.7	43
935	Alzheimer's and Parkinson's Diseases: Expected Economic Impact on Europe-A Call for a Uniform European Strategy. <i>Journal of Alzheimer's Disease</i> , 2016 , 54, 1123-1133	4.3	43
934	Chyawanprash: A Traditional Indian Bioactive Health Supplement. <i>Biomolecules</i> , 2019 , 9,	5.9	42
933	Peptide YY3-36 and 5-hydroxytryptamine mediate emesis induction by trichothecene deoxynivalenol (vomitoxin). <i>Toxicological Sciences</i> , 2013 , 133, 186-95	4.4	42

932	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, 425-32	5.6	42
931	Comparison of murine anorectic responses to the 8-ketotrichothecenes 3-acetyldeoxynivalenol, 15-acetyldeoxynivalenol, fusarenon X and nivalenol. <i>Food and Chemical Toxicology</i> , 2012 , 50, 2056-61	4.7	41
930	Computational Enzymology and Organophosphorus Degrading Enzymes: Promising Approaches Toward Remediation Technologies of Warfare Agents and Pesticides. <i>Current Medicinal Chemistry</i> , 2016 , 23, 1041-61	4.3	41
929	Antioxidant Functionalized Nanoparticles: A Combat against Oxidative Stress. <i>Nanomaterials</i> , 2020 , 10,	5.4	41
928	A newly developed oxime K203 is the most effective reactivator of tabun-inhibited acetylcholinesterase. <i>BMC Pharmacology & Toxicology</i> , 2018 , 19, 8	2.6	40
927	Evaluation of newly synthesized reactivators of the brain cholinesterase inhibited by sarin nerve agent. <i>Toxicology Mechanisms and Methods</i> , 2005 , 15, 247-52	3.6	40
926	Arbuscular Mycorrhizal Fungi as Potential Agents in Ameliorating Heavy Metal Stress in Plants. <i>Agronomy</i> , 2020 , 10, 815	3.6	39
925	Effects of oral exposure to naturally-occurring and synthetic deoxynivalenol congeners on proinflammatory cytokine and chemokine mRNA expression in the mouse. <i>Toxicology and Applied Pharmacology</i> , 2014 , 278, 107-15	4.6	39
924	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	3.6	39
923	From pyridinium-based to centrally active acetylcholinesterase reactivators. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014 , 14, 215-21	3.2	39
922	Metabolic pathways of trichothecenes. <i>Drug Metabolism Reviews</i> , 2010 , 42, 250-67	7	39
921	The progress in the cholinesterase quantification methods. <i>Expert Opinion on Drug Discovery</i> , 2012 , 7, 1207-23	6.2	38
920	Mono-oxime bisquaternary acetylcholinesterase reactivators with prop-1,3-diyl linkage-Preparation, in vitro screening and molecular docking. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 754-62	3.4	38
919	Antioxidant agents against trichothecenes: new hints for oxidative stress treatment. <i>Oncotarget</i> , 2017 , 8, 110708-110726	3.3	38
918	Future Therapeutic Perspectives into the Alzheimer's Disease Targeting the Oxidative Stress Hypothesis. <i>Molecules</i> , 2019 , 24,	4.8	38
917	Effects of mycorrhizal fungi on root-hair growth and hormone levels of taproot and lateral roots in trifoliate orange under drought stress. <i>Archives of Agronomy and Soil Science</i> , 2019 , 65, 1316-1330	2	38
916	Speech and language impairments in dementia. <i>Journal of Applied Biomedicine</i> , 2016 , 14, 97-103	0.6	37
915	Comparison of emetic potencies of the 8-ketotrichothecenes deoxynivalenol, 15-acetyldeoxynivalenol, 3-acetyldeoxynivalenol, fusarenon X, and nivalenol. <i>Toxicological Sciences</i> , 2013 , 131, 279-91	4.4	37

914	Amperometric Biosensors for Real Time Assays of Organophosphates. <i>Sensors</i> , 2008 , 8, 5303-5312	3.8	37
913	The acute toxicity of acetylcholinesterase reactivators in mice in relation to their structure. <i>Neurotoxicity Research</i> , 2006 , 9, 291-6	4.3	37
912	Applications of Nanotechnology in Sensor-Based Detection of Foodborne Pathogens. <i>Sensors</i> , 2020 , 20,	3.8	37
911	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	4.4	36
910	The pharmacology of tacrine at N-methyl-d-aspartate receptors. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017 , 75, 54-62	5.5	36
909	Selective inhibitors for JNK signalling: a potential targeted therapy in cancer. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 574-583	5.6	36
908	Newly Developed Drugs for Alzheimer's Disease in Relation to Energy Metabolism, Cholinergic and Monoaminergic Neurotransmission. <i>Neuroscience</i> , 2018 , 370, 191-206	3.9	36
907	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	4.1	36
906	Design of new chemotherapeutics against the deadly anthrax disease. Docking and molecular dynamics studies of inhibitors containing pyrrolidine and riboamidrazone rings on nucleoside hydrolase from Bacillus anthracis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2011 , 28, 455-69	3.6	36
905	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, 3172-6	2.9	36
904	Solvent effects on ¹³ C and ¹⁵ N shielding tensors of nitroimidazoles in the condensed phase: a sequential molecular dynamics/quantum mechanics study. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 6159-6170	1.8	36
903	Acute toxicity of some nerve agents and pesticides in rats. <i>Drug and Chemical Toxicology</i> , 2015 , 38, 32-6	2.3	35
902	Passive diffusion of acetylcholinesterase oxime reactivators through the blood-brain barrier: influence of molecular structure. <i>Toxicology in Vitro</i> , 2010 , 24, 1838-44	3.6	35
901	Binding mode analysis of 2,4-diamino-5-methyl-5-deaza-6-substituted pteridines with Mycobacterium tuberculosis and human dihydrofolate reductases. <i>Journal of Biomolecular Structure and Dynamics</i> , 2008 , 25, 377-85	3.6	35
900	Theoretical evaluation of adiabatic and vertical electron affinity of some radiosensitizers in solution using FEP, ab initio and DFT methods. <i>Biophysical Chemistry</i> , 2004 , 110, 267-79	3.5	35
899	Antidotal treatment of GF-agent intoxication in mice with bispyridinium oximes. <i>Toxicology</i> , 2005 , 207, 1-6	4.4	35
898	Monooxime-monocarbamoyl Bispyridinium Xylene-Linked Reactivators of Acetylcholinesterase-Synthesis, In vitro and Toxicity Evaluation, and Docking Studies. <i>ChemMedChem</i> , 2010 , 5, 247-54	3.7	34
897	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	5	34

896	Thermal and solvent effects on the NMR and UV parameters of some bioreductive drugs. <i>Journal of Chemical Physics</i> , 2005 , 123, 054319	3.9	34
895	Theoretical and experimental ¹³ C and ¹⁵ N NMR investigation of guanyldrazones in solution. <i>Magnetic Resonance in Chemistry</i> , 2003 , 41, 983-988	2.1	34
894	Pyridinium Oximes with Ortho-Positioned Chlorine Moiety Exhibit Improved Physicochemical Properties and Efficient Reactivation of Human Acetylcholinesterase Inhibited by Several Nerve Agents. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 10753-10766	8.3	34
893	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, 5673-6	2.9	33
892	A Review on the Synthesis and Bioactivity Aspects of Beauvericin, a Mycotoxin. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1338	5.6	33
891	Alzheimer's disease: Potential preventive, non-invasive, intervention strategies in lowering the risk of cognitive decline - A review study. <i>Journal of Applied Biomedicine</i> , 2015 , 13, 257-261	0.6	32
890	Profiling donepezil template into multipotent hybrids with antioxidant properties. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018 , 33, 583-606	5.6	32
889	Role of cholecystokinin in anorexia induction following oral exposure to the 8-ketotrichothecenes deoxynivalenol, 15-acetyldeoxynivalenol, 3-acetyldeoxynivalenol, fusarenon X, and nivalenol. <i>Toxicological Sciences</i> , 2014 , 138, 278-89	4.4	32
888	Comparison of anorectic and emetic potencies of deoxynivalenol (vomitoxin) to the plant metabolite deoxynivalenol-3-glucoside and synthetic deoxynivalenol derivatives EN139528 and EN139544. <i>Toxicological Sciences</i> , 2014 , 142, 167-81	4.4	32
887	In vitro oxime-assisted reactivation of paraoxon-inhibited human acetylcholinesterase and butyrylcholinesterase. <i>Clinical Toxicology</i> , 2009 , 47, 545-50	2.9	32
886	Russian VX: inhibition and reactivation of acetylcholinesterase compared with VX agent. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2006 , 98, 389-94	3.1	32
885	Oxime reactivation of acetylcholinesterase inhibited by toxic phosphorus esters: in vitro kinetics and thermodynamics. <i>Journal of Applied Biomedicine</i> , 2005 , 3, 91-99	0.6	32
884	Predictions of Alzheimer's disease treatment and care costs in European countries. <i>PLoS ONE</i> , 2019 , 14, e0210958	3.7	31
883	Inhibition of DNA topoisomerases I and II and growth inhibition of HL-60 cells by novel acridine-based compounds. <i>European Journal of Pharmaceutical Sciences</i> , 2015 , 76, 192-202	5.1	31
882	Contribution of glomalin-related soil proteins to soil organic carbon in trifoliate orange. <i>Applied Soil Ecology</i> , 2020 , 154, 103592	5	31
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