Kamil Kuca

List of Publications by Year
in descending order

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		13087	30894
1,066	24,922	68	102
papers	citations	h-index	g-index

1089	1089	1089	20580
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Redox- and non-redox-metal-induced formation of free radicals and their role in human disease. Archives of Toxicology, 2016, 90, 1-37.	1.9	730
2	The antioxidant, immunomodulatory, and anti-inflammatory activities of Spirulina: an overview. Archives of Toxicology, 2016, 90, 1817-1840.	1.9	381
3	Insect Antimicrobial Peptides, a Mini Review. Toxins, 2018, 10, 461.	1.5	337
4	Biological degradation of aflatoxins. Drug Metabolism Reviews, 2009, 41, 1-7.	1.5	239
5	Consequences of chronic diseases and other limitations associated with old age â€“ a scoping review. BMC Public Health, 2019, 19, 1431.	1.2	227
6	Oxidative stress-mediated cytotoxicity and metabolism of T-2 toxin and deoxynivalenol in animals and humans: an update. Archives of Toxicology, 2014, 88, 1309-1326.	1.9	220
7	Condensed and Hydrolysable Tannins as Antioxidants Influencing the Health. Mini-Reviews in Medicinal Chemistry, 2008, 8, 436-447.	1.1	218
8	Outcomes of Alzheimer's disease therapy with acetylcholinesterase inhibitors and memantine. Expert Opinion on Drug Safety, 2014, 13, 759-74.	1.0	209
9	Structural Requirements of Acetylcholinesterase Reactivators. Mini-Reviews in Medicinal Chemistry, 2006, 6, 269-277.	1.1	199
10	Metabolism of aflatoxins: key enzymes and interindividual as well as interspecies differences. Archives of Toxicology, 2014, 88, 1635-1644.	1.9	184
11	JNK signaling in cancer cell survival. Medicinal Research Reviews, 2019, 39, 2082-2104.	5.0	182
12	Breast Cancer Detection Using Infrared Thermal Imaging and a Deep Learning Model. Sensors, 2018, 18, 2799.	2.1	175
13	Metabolic pathways of trichothecenes. Drug Metabolism Reviews, 2010, 42, 250-267.	1.5	161
14	The role of hypoxiaâ€inducible factor 1 in tumor immune evasion. Medicinal Research Reviews, 2021, 41, 1622-1643.	5.0	157
15	Multitarget Drug Design Strategy: Quinoneâ€“Tacrine Hybrids Designed To Block Amyloid-Î² Aggregation and To Exert Anticholinesterase and Antioxidant Effects. Journal of Medicinal Chemistry, 2014, 57, 8576-8589.	2.9	139
16	Adamantane â€“ A Lead Structure for Drugs in Clinical Practice. Current Medicinal Chemistry, 2016, 23, 3245-3266.	1.2	139
17	Treatment of Organophosphate Intoxication Using Cholinesterase Reactivators:Facts and Fiction. Mini-Reviews in Medicinal Chemistry, 2007, 7, 461-466.	1.1	126
18	Synthesis of a new reactivator of tabun-inhibited acetylcholinesterase. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 3545-3547.	1.0	125

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19	Assessment of Acetylcholinesterase Activity Using Indoxylacetate and Comparison with the Standard Ellmanâ€™s Method. International Journal of Molecular Sciences, 2011, 12, 2631-2640.	1.8	125
20	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.	2.0	124
21	Socio-economic Aspects of Alzheimer's Disease. Current Alzheimer Research, 2015, 12, 903-911.	0.7	123
22	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.	2.9	122
23	Tacrineâ€“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.	2.9	121
24	Editorial: In silico Methods for Drug Design and Discovery. Frontiers in Chemistry, 2020, 8, 612.	1.8	117
25	Fruit and Vegetable Peels: Utilization of High Value Horticultural Waste in Novel Industrial Applications. Molecules, 2020, 25, 2812.	1.7	114
26	Synthesis of a potential reactivator of acetylcholinesteraseâ€”1-(4-hydroxyiminomethylpyridinium)-3-(carbamoylpyridinium)propane dibromide. Tetrahedron Letters, 2003, 44, 3123-3125.	0.7	112
27	Hypoxia-inducible factors: master regulators of hypoxic tumor immune escape. Journal of Hematology and Oncology, 2022, 15, .	6.9	112
28	Acetylcholinesterases â€“ the structural similarities and differences. Journal of Enzyme Inhibition and Medicinal Chemistry, 2007, 22, 417-424.	2.5	110
29	Metabolic Pathways of Ochratoxin A. Current Drug Metabolism, 2011, 12, 1-10.	0.7	109
30	On the Limits of Highest-Occupied Molecular Orbital Driven Reactions:Â The Frontier Effective-for-Reaction Molecular Orbital Concept. Journal of Physical Chemistry A, 2006, 110, 1031-1040.	1.1	108
31	Design, evaluation and structureâ€”Activity relationship studies of the AChE reactivators against organophosphorus pesticides. Medicinal Research Reviews, 2011, 31, 548-575.	5.0	106
32	Antioxidant Functionalized Nanoparticles: A Combat against Oxidative Stress. Nanomaterials, 2020, 10, 1334.	1.9	106
33	Bioactive Compounds of Edible Fruits with Their Anti-Aging Properties: A Comprehensive Review to Prolong Human Life. Antioxidants, 2020, 9, 1123.	2.2	106
34	Arbuscular Mycorrhizal Fungi as Potential Agents in Ameliorating Heavy Metal Stress in Plants. Agronomy, 2020, 10, 815.	1.3	105
35	Novel CRISPRâ€“Cas Systems: An Updated Review of the Current Achievements, Applications, and Future Research Perspectives. International Journal of Molecular Sciences, 2021, 22, 3327.	1.8	105
36	Cognitive decline in normal aging and its prevention: a review on non-pharmacological lifestyle strategies. Clinical Interventions in Aging, 2017, Volume 12, 903-910.	1.3	103

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37	Flower-Based Green Synthesis of Metallic Nanoparticles: Applications beyond Fragrance. Nanomaterials, 2020, 10, 766.	1.9	103
38	Arbuscular mycorrhizas modulate root polyamine metabolism to enhance drought tolerance of trifoliate orange. Environmental and Experimental Botany, 2020, 171, 103926.	2.0	101
39	Design of a Potent Reactivator of Tabun-Inhibited AcetylcholinesteraseSynthesis and Evaluation of (E)-1-(4-Carbamoylpyridinium)-4-(4-hydroxyiminomethylpyridinium)-but-2-ene Dibromide (K203). Journal of Medicinal Chemistry, 2007, 50, 5514-5518.	2.9	100
40	A combined negative selection algorithmâ€“particle swarm optimization for an email spam detection system. Engineering Applications of Artificial Intelligence, 2015, 39, 33-44.	4.3	100
41	Synthesis and Biological Evaluation of Novel Tacrine Derivatives and Tacrineâ€“Coumarin Hybrids as Cholinesterase Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 7073-7084.	2.9	99
42	Selective inhibitors for JNK signalling: a potential targeted therapy in cancer. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 574-583.	2.5	96
43	Tacrine-resveratrol fused hybrids as multi-target-directed ligands against Alzheimer's disease. European Journal of Medicinal Chemistry, 2017, 127, 250-262.	2.6	95
44	Mechanism of cyclosporine A nephrotoxicity: Oxidative stress, autophagy, and signalings. Food and Chemical Toxicology, 2018, 118, 889-907.	1.8	94
45	Trichothecenes: Structure-Toxic Activity Relationships. Current Drug Metabolism, 2013, 14, 641-660.	0.7	93
46	A Resurrection of 7-MEOTA: A Comparison with Tacrine. Current Alzheimer Research, 2013, 10, 893-906.	0.7	92
47	Trichothecenes: immunomodulatory effects, mechanisms, and anti-cancer potential. Archives of Toxicology, 2017, 91, 3737-3785.	1.9	91
48	Mycorrhizas enhance drought tolerance of citrus by altering root fatty acid compositions and their saturation levels. Tree Physiology, 2019, 39, 1149-1158.	1.4	91
49	Alzheimer’s disease and language impairments: social intervention and medical treatment. Clinical Interventions in Aging, 2015, 10, 1401.	1.3	89
50	Chemical warfare agent NOVICHOK - mini-review of available data. Food and Chemical Toxicology, 2018, 121, 343-350.	1.8	89
51	Novichoks: The Dangerous Fourth Generation of Chemical Weapons. International Journal of Molecular Sciences, 2019, 20, 1222.	1.8	85
52	Possible Role of Hydroxylated Metabolites of Tacrine in Drug Toxicity and Therapy of Alzheimers Disease. Current Drug Metabolism, 2008, 9, 332-335.	0.7	83
53	Green Synthesis of Fe3O4 Nanoparticles Stabilized by a Garcinia mangostana Fruit Peel Extract for Hyperthermia and Anticancer Activities. International Journal of Nanomedicine, 2021, Volume 16, 2515-2532.	3.3	83
54	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.	1.0	82

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55	Chyawanprash: A Traditional Indian Bioactive Health Supplement. Biomolecules, 2019, 9, 161.	1.8	82
56	Metabolic Pathways of T-2 Toxin. Current Drug Metabolism, 2008, 9, 77-82.	0.7	81
57	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. Current Organic Chemistry, 2007, 11, 267-283.	0.9	80
58	7-MEOTAâ€“donepezil like compounds as cholinesterase inhibitors: Synthesis, pharmacological evaluation, molecular modeling and QSAR studies. European Journal of Medicinal Chemistry, 2014, 82, 426-438.	2.6	80
59	Deoxynivalenol: signaling pathways and human exposure risk assessmentâ€”an update. Archives of Toxicology, 2014, 88, 1915-1928.	1.9	78
60	Applications of Nanotechnology in Sensor-Based Detection of Foodborne Pathogens. Sensors, 2020, 20, 1966.	2.1	78
61	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. Toxicology, 2008, 243, 311-316.	2.0	77
62	Mycorrhizas enhance drought tolerance of trifoliate orange by enhancing activities and gene expression of antioxidant enzymes. Scientia Horticulturae, 2020, 262, 108745.	1.7	76
63	SAR study to find optimal cholinesterase reactivator against organophosphorous nerve agents and pesticides. Archives of Toxicology, 2016, 90, 2831-2859.	1.9	75
64	Multitarget Tacrine Hybrids with Neuroprotective Properties to Confront Alzheimerâ€™s Disease. Current Topics in Medicinal Chemistry, 2017, 17, 1006-1026.	1.0	75
65	Novel tacrine-tryptophan hybrids: Multi-target directed ligands as potential treatment for Alzheimer's disease. European Journal of Medicinal Chemistry, 2019, 168, 491-514.	2.6	75
66	Molecular Modeling of Mycobacterium Tuberculosis DNA Gyrase and its Molecular Docking Study with Gatifloxacin Inhibitors. Journal of Biomolecular Structure and Dynamics, 2010, 27, 619-625.	2.0	74
67	Acetylcholinesterase and Butyrylcholinesterase â€“ Important Enzymes of Human Body. Acta Medica (Hradec Kralove), 2004, 47, 215-228.	0.2	74
68	Fruit Extract Mediated Green Synthesis of Metallic Nanoparticles: A New Avenue in Pomology Applications. International Journal of Molecular Sciences, 2020, 21, 8458.	1.8	72
69	Colorimetric dipstick for assay of organophosphate pesticides and nerve agents represented by paraoxon, sarin and VX. Talanta, 2010, 81, 621-624.	2.9	70
70	Fate of deoxynivalenol and deoxynivalenol-3-glucoside during cereal-based thermal food processing: a review study. Mycotoxin Research, 2017, 33, 79-91.	1.3	70
71	Progress of Biosensors Based on Cholinesterase Inhibition. Current Medicinal Chemistry, 2009, 16, 1790-1798.	1.2	69
72	Evaluation of Oxime K203 as Antidote in Tabun Poisoning. Arhiv Za Higijenu Rada I Toksikologiju, 2009, 60, 19-26.	0.4	67

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73	Understanding the inactivation process of organophosphorus herbicides: A DFT study of glyphosate metallic complexes with Zn²⁺, Ca²⁺, Mg²⁺, Cu²⁺, Co³⁺, Fe³⁺, Cr³⁺, and Al³⁺. International Journal of Quantum Chemistry, 2012, 112, 2752-2762.	1.0	67
74	Future Therapeutic Perspectives into the Alzheimerâ€™s Disease Targeting the Oxidative Stress Hypothesis. Molecules, 2019, 24, 4410.	1.7	67
75	Effects of mycorrhizal fungi on root-hair growth and hormone levels of taproot and lateral roots in trifoliate orange under drought stress. Archives of Agronomy and Soil Science, 2019, 65, 1316-1330.	1.3	67
76	Effects of beneficial endophytic fungal inoculants on plant growth and nutrient absorption of trifoliate orange seedlings. Scientia Horticulturae, 2021, 277, 109815.	1.7	67
77	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.	1.0	65
78	Construction and Assessment of Reaction Models of Class I EPSP Synthase: Molecular Docking and Density Functional Theoretical Calculations. Journal of Biomolecular Structure and Dynamics, 2009, 27, 195-207.	2.0	65
79	Chemical Aspects of Pharmacological Prophylaxis Against Nerve Agent Poisoning. Current Medicinal Chemistry, 2009, 16, 2977-2986.	1.2	65
80	Synthesis and in vitro evaluation of N-alkyl-7-methoxytacrine hydrochlorides as potential cholinesterase inhibitors in Alzheimer disease. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6093-6095.	1.0	63
81	7-Methoxytacrine-Adamantylamine Heterodimers as Cholinesterase Inhibitors in Alzheimerâ€™s Disease Treatment â€" Synthesis, Biological Evaluation and Molecular Modeling Studies. Molecules, 2013, 18, 2397-2418.	1.7	63
82	Targeting copper(II)-induced oxidative stress and the acetylcholinesterase system in Alzheimer's disease using multifunctional tacrine-coumarin hybrid molecules. Journal of Inorganic Biochemistry, 2016, 161, 52-62.	1.5	63
83	A Review on the Synthesis and Bioactivity Aspects of Beauvericin, a Fusarium Mycotoxin. Frontiers in Pharmacology, 2018, 9, 1338.	1.6	62
84	Synthesis of monooxime-monocarbamoyl bispyridinium compounds bearing (E)-but-2-ene linker and evaluation of their reactivation activity against tabun- and paraoxon-inhibited acetylcholinesterase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2008, 23, 70-76.	2.5	61
85	Speech and language impairments in dementia. Journal of Applied Biomedicine, 2016, 14, 97-103.	0.6	61
86	Malus domestica: A Review on Nutritional Features, Chemical Composition, Traditional and Medicinal Value. Plants, 2020, 9, 1408.	1.6	61
87	Contribution of glomalin-related soil proteins to soil organic carbon in trifoliate orange. Applied Soil Ecology, 2020, 154, 103592.	2.1	61
88	Antimicrobial Peptides: Amphibian Host Defense Peptides. Current Medicinal Chemistry, 2019, 26, 5924-5946.	1.2	60
89	Synthesis and antiproliferative activity of 8-hydroxyquinoline derivatives containing a 1,2,3-triazole moiety. European Journal of Medicinal Chemistry, 2014, 84, 595-604.	2.6	58
90	Antioxidant agents against trichothecenes: new hints for oxidative stress treatment. Oncotarget, 2017, 8, 110708-110726.	0.8	58

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91	Currently Used Cholinesterase Reactivators Against Nerve Agent Intoxication: Comparison of Their Effectivity in Vitro. Drug and Chemical Toxicology, 2007, 30, 31-40.	1.2	56
92	Orbital Signatures as a Descriptor of Regioselectivity and Chemical Reactivity: The Role of the Frontier Orbitals on 1,3-Dipolar Cycloadditions. Journal of Physical Chemistry A, 2011, 115, 824-833.	1.1	56
93	Digoxin: Pharmacology and toxicologyâ€"A review. Environmental Toxicology and Pharmacology, 2020, 79, 103400.	2.0	56
94	Reactivation of Cyclosarin-inhibited Rat Brain Acetylcholinesterase by Pyridiniumâ€"Oximes. Journal of Enzyme Inhibition and Medicinal Chemistry, 2004, 19, 39-43.	2.5	55
95	Improvement of acetylcholinesterase-based assay for organophosphates in way of identification by reactivators. Talanta, 2008, 77, 451-454.	2.9	55
96	The progress in the cholinesterase quantification methods. Expert Opinion on Drug Discovery, 2012, 7, 1207-1223.	2.5	55
97	Vaccine Design from the Ensemble of Surface Glycoprotein Epitopes of SARS-CoV-2: An Immunoinformatics Approach. Vaccines, 2020, 8, 423.	2.1	55
98	Effective bisquaternary reactivators of tabun-inhibited AChE. Journal of Applied Toxicology, 2005, 25, 491-495.	1.4	54
99	Zinc-Based Nanomaterials for Diagnosis and Management of Plant Diseases: Ecological Safety and Future Prospects. Journal of Fungi (Basel, Switzerland), 2020, 6, 222.	1.5	54
100	Nanohybrid Antifungals for Control of Plant Diseases: Current Status and Future Perspectives. Journal of Fungi (Basel, Switzerland), 2021, 7, 48.	1.5	54
101	Metabolic pathways of trichothecenes. Drug Metabolism Reviews, 2009, 00, 090814023620051-18.	1.5	54
102	Mycotoxin Assays Using Biosensor Technology: A Review. Drug and Chemical Toxicology, 2007, 30, 253-261.	1.2	53
103	Pseudo-catalytic scavenging: Searching for a suitable reactivator of phosphorylated butyrylcholinesterase. Chemico-Biological Interactions, 2010, 187, 167-171.	1.7	53
104	Peptide YY3â€"36 and 5-Hydroxytryptamine Mediate Emesis Induction by Trichothecene Deoxynivalenol (Vomitoxin). Toxicological Sciences, 2013, 133, 186-195.	1.4	53
105	Development and Structural Modifications of Cholinesterase Reactivators against Chemical Warfare Agents in Last Decade: A Review. Mini-Reviews in Medicinal Chemistry, 2015, 15, 58-72.	1.1	53
106	A newly developed oxime K203 is the most effective reactivator of tabun-inhibited acetylcholinesterase. BMC Pharmacology & Toxicology, 2018, 19, 8.	1.0	53
107	Non-Pharmacological Approaches to the Prevention and Treatment of Alzheimer's Disease with Respect to the Rising Treatment Costs. Current Alzheimer Research, 2016, 13, 1249-1258.	0.7	53
108	Synthesis of Bisquaternary Symmetric - X,δ-Bis(2-Hydroxyiminomethylpyridinium) Alkane Dibromides and Their Reactivation of Cyclosarin-Inhibited Acetylcholinesterase. Letters in Organic Chemistry, 2004, 1, 84-86.	0.2	52

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109	Monooxime reactivators of acetylcholinesterase with (E)-but-2-ene linkerâ€”Preparation and reactivation of tabun- and paraoxon-inhibited acetylcholinesterase. Bioorganic and Medicinal Chemistry, 2007, 15, 6733-6741.	1.4	52
110	Aflatoxin Detoxification Using Microorganisms and Enzymes. Toxins, 2021, 13, 46.	1.5	52
111	Flexibility in the Molecular Design of Acetylcholinesterase Reactivators: Probing Representative Conformations by Chemometric Techniques and Docking/QM Calculations. Letters in Drug Design and Discovery, 2016, 13, 360-371.	0.4	52
112	Pretreatment with pyridinium oximes improves antidotal therapy against tabun poisoning. Toxicology, 2006, 228, 41-50.	2.0	51
113	HPLC Analysis of HIâ€6 Dichloride and Dimethanesulfonateâ€”Antidotes against Nerve Agents and Organophosphorus Pesticides. Analytical Letters, 2007, 40, 2783-2787.	1.0	51
114	Alzheimerâ€™s and Parkinsonâ€™s Diseases: Expected Economic Impact on Europeâ€”A Call for a Uniform European Strategy. Journal of Alzheimer's Disease, 2016, 54, 1123-1133.	1.2	51
115	Fumonisin B1: Mechanisms of toxicity and biological detoxification progress in animals. Food and Chemical Toxicology, 2021, 149, 111977.	1.8	51
116	Traditional Ayurvedic and herbal remedies for Alzheimerâ€™s disease: from bench to bedside. Expert Review of Neurotherapeutics, 2019, 19, 359-374.	1.4	50
117	An update on T-2 toxin and its modified forms: metabolism, immunotoxicity mechanism, and human exposure assessment. Archives of Toxicology, 2020, 94, 3645-3669.	1.9	50
118	Computational Enzymology and Organophosphorus Degrading Enzymes: Promising Approaches Toward Remediation Technologies of Warfare Agents and Pesticides. Current Medicinal Chemistry, 2016, 23, 1041-1061.	1.2	50
119	Cyclosporine A: Chemistry and Toxicity â€“ A Review. Current Medicinal Chemistry, 2020, 27, 3925-3934.	1.2	50
120	^{1h}J_{FH}coupling in 2â€fluorophenol revisited: Is intramolecular hydrogen bond responsible for this longâ€range coupling?. Magnetic Resonance in Chemistry, 2011, 49, 763-767.	1.1	49
121	The pharmacology of tacrine at N -methyl- d -aspartate receptors. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 75, 54-62.	2.5	49
122	Role of Vacha (Acorus calamus Linn.) in Neurological and Metabolic Disorders: Evidence from Ethnopharmacology, Phytochemistry, Pharmacology and Clinical Study. Journal of Clinical Medicine, 2020, 9, 1176.	1.0	49
123	Seed Priming and Coating by Nano-Scale Zinc Oxide Particles Improved Vegetative Growth, Yield and Quality of Fodder Maize (Zea mays). Agronomy, 2021, 11, 729.	1.3	49
124	Prolyl oligopeptidase and its role in the organism: attention to the most promising and clinically relevant inhibitors. Future Medicinal Chemistry, 2017, 9, 1015-1038.	1.1	48
125	Newly Developed Drugs for Alzheimerâ€™s Disease in Relation to Energy Metabolism, Cholinergic and Monoaminergic Neurotransmission. Neuroscience, 2018, 370, 191-206.	1.1	48
126	Predictions of Alzheimerâ€™s disease treatment and care costs in European countries. PLoS ONE, 2019, 14, e0210958.	1.1	48

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127	Arbuscular Mycorrhizal Fungi Alleviate Drought Stress in Trifoliate Orange by Regulating H+-ATPase Activity and Gene Expression. Frontiers in Plant Science, 2021, 12, 659694.	1.7	48
128	Reactivation of organophosphate inhibited acetylcholinesterase activity by Î±,Ï‰-bis-(4-hydroxyiminomethylpyridinium)alkanes in vitro. Journal of Applied Biomedicine, 2003, 1, 207-211.	0.6	48
129	Amperometric Biosensors for Real Time Assays of Organophosphates. Sensors, 2008, 8, 5303-5312.	2.1	47
130	Characterization of deoxynivalenol-induced anorexia using mouse bioassay. Food and Chemical Toxicology, 2011, 49, 1863-1869.	1.8	47
131	Acute toxicity of some nerve agents and pesticides in rats. Drug and Chemical Toxicology, 2015, 38, 32-36.	1.2	47
132	Fullerenol nanoparticles prevents doxorubicin-induced acute hepatotoxicity in rats. Experimental and Molecular Pathology, 2017, 102, 360-369.	0.9	47
133	Plant Prebiotics and Their Role in the Amelioration of Diseases. Biomolecules, 2021, 11, 440.	1.8	47
134	Binding Mode Analysis of 2,4-diamino-5-methyl-5-deaza-6-substituted Pteridines withMycobacterium tuberculosisand Human Dihydrofolate Reductases. Journal of Biomolecular Structure and Dynamics, 2008, 25, 377-385.	2.0	46
135	Comparison of murine anorectic responses to the 8-ketotrichothecenes 3-acetyldeoxynivalenol, 15-acetyldeoxynivalenol, fusarenon X and nivalenol. Food and Chemical Toxicology, 2012, 50, 2056-2061.	1.8	46
136	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. Journal of Enzyme Inhibition and Medicinal Chemistry, 2007, 22, 425-432.	2.5	45
137	Synthesis and evaluation of frentizole-based indolyl thiourea analogues as MAO/ABAD inhibitors for Alzheimerâ€™s disease treatment. Bioorganic and Medicinal Chemistry, 2017, 25, 1143-1152.	1.4	45
138	Pyridinium Oximes with Ortho-Positioned Chlorine Moiety Exhibit Improved Physicochemical Properties and Efficient Reactivation of Human Acetylcholinesterase Inhibited by Several Nerve Agents. Journal of Medicinal Chemistry, 2018, 61, 10753-10766.	2.9	45
139	Cystic Fibrosis Revisited â€“ a Review Study. Medicinal Chemistry, 2017, 13, 102-109.	0.7	45
140	Mono-oxime bisquaternary acetylcholinesterase reactivators with prop-1,3-diyl linkageâ€”Preparation, in vitro screening and molecular docking. Bioorganic and Medicinal Chemistry, 2011, 19, 754-762.	1.4	44
141	Effects of oral exposure to naturally-occurring and synthetic deoxynivalenol congeners on proinflammatory cytokine and chemokine mRNA expression in the mouse. Toxicology and Applied Pharmacology, 2014, 278, 107-115.	1.3	44
142	Profiling donepezil template into multipotent hybrids with antioxidant properties. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 583-606.	2.5	44
143	The history of poisoning: from ancient times until modern ERA. Archives of Toxicology, 2019, 93, 11-24.	1.9	44
144	From Pyridinium-based to Centrally Active Acetylcholinesterase Reactivators. Mini-Reviews in Medicinal Chemistry, 2014, 14, 215-221.	1.1	44

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145	Evaluation of Newly Synthesized Reactivators of the Brain Cholinesterase Inhibited by Sarin Nerve Agent. Toxicology Mechanisms and Methods, 2005, 15, 247-252.	1.3	43
146	The Acute Toxicity of Acetylcholinesterase Reactivators in Mice in Relation to Their Structure. Neurotoxicity Research, 2006, 9, 291-296.	1.3	43
147	Influence of the Acetylcholinesterase Active Site Protonation on Omega Loop and Active Site Dynamics. Journal of Biomolecular Structure and Dynamics, 2010, 28, 393-403.	2.0	43
148	Optimal wavelet signal compression as an efficient alternative to investigate molecular dynamics simulations: application to thermal and solvent effects of MRI probes. Theoretical Chemistry Accounts, 2017, 136, 1.	0.5	43
149	Recent Developments in Metal-Based Drugs and Chelating Agents for Neurodegenerative Diseases Treatments. International Journal of Molecular Sciences, 2019, 20, 1829.	1.8	43
150	Phenytoin â€“ An anti-seizure drug: Overview of its chemistry, pharmacology and toxicology. Food and Chemical Toxicology, 2020, 142, 111393.	1.8	43
151	Elucidating the Mechanisms Underlying Enhanced Drought Tolerance in Plants Mediated by Arbuscular Mycorrhizal Fungi. Frontiers in Microbiology, 2021, 12, 809473.	1.5	43
152	Arbuscular Mycorrhizal Fungi Regulate Polyamine Homeostasis in Roots of Trifoliate Orange for Improved Adaptation to Soil Moisture Deficit Stress. Frontiers in Plant Science, 2020, 11, 600792.	1.7	42
153	Hypoxia, oxidative stress, and immune evasion: a trinity of the trichothecenes T-2 toxin and deoxynivalenol (DON). Archives of Toxicology, 2021, 95, 1899-1915.	1.9	42
154	Bacillus amyloliquefaciens B10 can alleviate liver apoptosis and oxidative stress induced by aflatoxin B1. Food and Chemical Toxicology, 2021, 151, 112124.	1.8	42
155	Thermal and solvent effects on the NMR and UV parameters of some bioreductive drugs. Journal of Chemical Physics, 2005, 123, 054319.	1.2	41
156	Investigation of the reactivation kinetics of a large series of bispyridinium oximes with organophosphate-inhibited human acetylcholinesterase. Toxicology Letters, 2016, 244, 136-142.	0.4	41
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