

Kamil Kuca

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

1,021
papers

16,964
citations

53
h-index

83
g-index

1,089
ext. papers

20,539
ext. citations

3.4
avg, IF

7.26
L-index

#	Paper	IF	Citations
1021	Effects of field inoculation with arbuscular mycorrhizal fungi and endophytic fungi on fruit quality and soil properties of Newhall navel orange. <i>Applied Soil Ecology</i> , 2022 , 170, 104308	5	5
1020	MicroRNA regulates the toxicological mechanism of four mycotoxins in vivo and in vitro.. <i>Journal of Animal Science and Biotechnology</i> , 2022 , 13, 37	6	1
1019	New In Silico Insights into the Application of (Hydroxy)Chloroquine with Macrolide Antibiotic Co-Crystals against the SARS-CoV-2 Virus. <i>Covid</i> , 2022 , 2, 230-243		0
1018	Exploring electronic, structural and dynamics parameters of phenylbenzothiazole complexes with Mn, Cu and Zn for designing new magnetic resonance imaging (MRI) probes: congruence between computation and spectroscopic data.. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022 , 1-11	3.6	
1017	A2 Inhibited the Cecal Inflammation Induced by Zearalenone by Regulating Intestinal Flora and Short-Chain Fatty Acids.. <i>Frontiers in Nutrition</i> , 2022 , 9, 806115	6.2	1
1016	Recent advances in the potential applications of luminescence-based, SPR-based, and carbon-based biosensors.. <i>Applied Microbiology and Biotechnology</i> , 2022 , 1	5.7	1
1015	Toxic mechanisms of the trichothecenes T-2 toxin and deoxynivalenol on protein synthesis.. <i>Food and Chemical Toxicology</i> , 2022 , 164, 113044	4.7	0
1014	Safety considerations of chloroquine in the treatment of patients with diabetes and COVID-19.. <i>Chemico-Biological Interactions</i> , 2022 , 109954	5	0
1013	Ethnomedicinal plants used for the treatment of neurodegenerative diseases in Himachal Pradesh, India in Western Himalaya.. <i>Journal of Ethnopharmacology</i> , 2022 , 115318	5	0
1012	Procyanidins inhibit zearalenone-induced apoptosis and oxidative stress of porcine testis cells through activation of Nrf2 signaling pathway.. <i>Food and Chemical Toxicology</i> , 2022 , 113061	4.7	0
1011	Medicinal, nutritional, and nutraceutical potential of <i>Sparassis crispa</i> s. lat.: a review.. <i>IMA Fungus</i> , 2022 , 13, 8	6.8	0
1010	Theoretical assessment of the performances of commercial oximes on the reactivation of acetylcholinesterase inhibited by the nerve agent A-242 (novichok).. <i>Food and Chemical Toxicology</i> , 2022 , 165, 113084	4.7	3
1009	Insights into the value of statistical models, solvent, and relativistic effects for investigating Re complexes of 2-(4'-aminophenyl)benzothiazole: a potential spectroscopic probe.. <i>Journal of Molecular Modeling</i> , 2022 , 28, 154	2	1
1008	Studies of Phytochemicals, Antioxidant, and Antibacterial Activities of <i>Pinus gerardiana</i> and <i>Pinus roxburghii</i> Seed Extracts. <i>BioMed Research International</i> , 2022 , 2022, 1-10	3	1
1007	Contemporary mTOR inhibitor scaffolds to diseases breakdown: A patent review (2015-2021). <i>European Journal of Medicinal Chemistry</i> , 2022 , 114498	6.8	1
1006	Emetic Response to T-2 Toxin Correspond to Secretion of Glucagon-like Peptide-17 β Amide and Glucose-Dependent Insulinotropic Polypeptide. <i>Toxins</i> , 2022 , 14, 389	4.9	
1005	Vanillic acid as phospholipase A and proteases inhibitor: In vitro and computational analyses. <i>Biotechnology and Applied Biochemistry</i> , 2021 , 68, 486-496	2.8	5

1004	Recent advances in the concept of paraprobiotics: Nutraceutical/functional properties for promoting children health. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-16	11.5	5
1003	Biosensors as Nano-Analytical Tools for COVID-19 Detection. <i>Sensors</i> , 2021 , 21,	3.8	5
1002	Cyclosporine A: Chemistry and Toxicity - A Review. <i>Current Medicinal Chemistry</i> , 2021 , 28, 3925-3934	4.3	7
1001	Nanotechnology Interventions in the Management of COVID-19: Prevention, Diagnosis and Virus-Like Particle Vaccines. <i>Vaccines</i> , 2021 , 9,	5.3	1
1000	Agroinfiltration Mediated Scalable Transient Gene Expression in Genome Edited Crop Plants. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
999	Metabolomics Analysis Reveals Drought Responses of Trifoliolate Orange by Arbuscular Mycorrhizal Fungi With a Focus on Terpenoid Profile. <i>Frontiers in Plant Science</i> , 2021 , 12, 740524	6.2	3
998	Phytoantioxidant Functionalized Nanoparticles: A Green Approach to Combat Nanoparticle-Induced Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 3155962	6.7	1
997	Green Synthesis of FeO Nanoparticles Stabilized by a Fruit Peel Extract for Hyperthermia and Anticancer Activities. <i>International Journal of Nanomedicine</i> , 2021 , 16, 2515-2532	7.3	16
996	The trichothecene neosolaniol stimulates an emetic response through neuropeptide Y2 and serotonin 3 receptors in mink. <i>Toxicology</i> , 2021 , 452, 152718	4.4	0
995	Novel CRISPR-Cas Systems: An Updated Review of the Current Achievements, Applications, and Future Research Perspectives. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	28
994	Experimental and Established Oximes as Pretreatment before Acute Exposure to Azinphos-Methyl. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
993	Determination of Colistin B in Chicken Muscle and Egg Using Ultra-High-Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	3
992	Physiological responses of mycorrhizal symbiosis to drought stress in white clover. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021 , 49, 12209	1.2	0
991	Computational evidence for nitro derivatives of quinoline and quinoline N-oxide as low-cost alternative for the treatment of SARS-CoV-2 infection. <i>Scientific Reports</i> , 2021 , 11, 6397	4.9	8
990	Plant Prebiotics and Their Role in the Amelioration of Diseases. <i>Biomolecules</i> , 2021 , 11,	5.9	8
989	Arbuscular Mycorrhizal Fungi Alleviate Drought Stress in Trifoliolate Orange by Regulating H-ATPase Activity and Gene Expression. <i>Frontiers in Plant Science</i> , 2021 , 12, 659694	6.2	19
988	Fumonisin B: Mechanisms of toxicity and biological detoxification progress in animals. <i>Food and Chemical Toxicology</i> , 2021 , 149, 111977	4.7	13
987	Rapamycin: Drug Repurposing in SARS-CoV-2 Infection. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	8

986	Hypoxia, oxidative stress, and immune evasion: a trinity of the trichothecenes T-2 toxin and deoxynivalenol (DON). <i>Archives of Toxicology</i> , 2021 , 95, 1899-1915	5.8	9
985	Outer Membrane Protein-Based Nanohybrid Sensor for the Diagnosis of Leptospirosis. <i>Sensors</i> , 2021 , 21,	3.8	8
984	A Quantitative Molecular Orbital Perspective of the Chalcogen Bond. <i>ChemistryOpen</i> , 2021 , 10, 390	2.3	0
983	Biomarkers of deoxynivalenol (DON) and its modified form DON-3-glucoside (DON-3G) in humans. <i>Trends in Food Science and Technology</i> , 2021 , 110, 551-558	15.3	5
982	Seed Priming and Coating by Nano-Scale Zinc Oxide Particles Improved Vegetative Growth, Yield and Quality of Fodder Maize (<i>Zea mays</i>). <i>Agronomy</i> , 2021 , 11, 729	3.6	17
981	Review about Structure and Evaluation of Reactivators of Acetylcholinesterase Inhibited with Neurotoxic Organophosphorus Compounds. <i>Current Medicinal Chemistry</i> , 2021 , 28, 1422-1442	4.3	4
980	Hybrid Materials Based on Magnetic Iron Oxides with Benzothiazole Derivatives: A Plausible Potential Spectroscopy Probe. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
979	Synthesis of New Biscoumarin Derivatives, In Vitro Cholinesterase Inhibition, Molecular Modelling and Antiproliferative Effect in A549 Human Lung Carcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
978	Mechanistic Insight into Antimicrobial and Antioxidant Potential of Species: A Herbal Approach for Disease Management. <i>Plants</i> , 2021 , 10,	4.5	6
977	Hypothesis: JNK signaling is a therapeutic target of neurodegenerative diseases. <i>Alzheimer[s] and Dementia</i> , 2021 ,	1.2	1
976	Potential Usage of Edible Mushrooms and Their Residues to Retrieve Valuable Supplies for Industrial Applications. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 7,	5.6	7
975	The Effect of Chemical Structure of OEG Ligand Shells with Quaternary Ammonium Moiety on the Colloidal Stabilization, Cellular Uptake and Photothermal Stability of Gold Nanorods. <i>International Journal of Nanomedicine</i> , 2021 , 16, 3407-3427	7.3	
974	Conifers Phytochemicals: A Valuable Forest with Therapeutic Potential. <i>Molecules</i> , 2021 , 26,	4.8	7
973	Functional Attributes of Myco-Synthesized Silver Nanoparticles from Endophytic Fungi: A New Implication in Biomedical Applications. <i>Biology</i> , 2021 , 10,	4.9	8
972	Design and synthesis of novel tacrine-indole hybrids as potential multitarget-directed ligands for the treatment of Alzheimer's disease. <i>Future Medicinal Chemistry</i> , 2021 , 13, 785-804	4.1	0
971	Mycorrhizal response strategies of trifoliolate orange under well-watered, salt stress, and waterlogging stress by regulating leaf aquaporin expression. <i>Plant Physiology and Biochemistry</i> , 2021 , 162, 27-35	5.4	12
970	Bacillus amyloliquefaciens B10 can alleviate liver apoptosis and oxidative stress induced by aflatoxin B1. <i>Food and Chemical Toxicology</i> , 2021 , 151, 112124	4.7	14
969	Antifungal Nano-Therapy in Veterinary Medicine: Current Status and Future Prospects. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 7,	5.6	8

968	Exploring mycorrhizal fungi in walnut with a focus on physiological roles. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021 , 49, 12363	1.2	1
967	Applications of Fruit Polyphenols and Their Functionalized Nanoparticles Against Foodborne Bacteria: A Mini Review. <i>Molecules</i> , 2021 , 26,	4.8	9
966	COMPLEXITY AND MEMORY-BASED COMPARISON OF THE BRAIN ACTIVITY BETWEEN ADHD AND HEALTHY SUBJECTS WHILE PLAYING A SERIOUS GAME. <i>Fractals</i> , 2021 , 29, 2150202	3.2	3
965	Bacillus amyloliquefaciens B10 can alleviate aflatoxin B1-induced kidney oxidative stress and apoptosis in mice. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 218, 112286	7	6
964	Effects of beneficial endophytic fungal inoculants on plant growth and nutrient absorption of trifoliolate orange seedlings. <i>Scientia Horticulturae</i> , 2021 , 277, 109815	4.1	30
963	Mycorrhizal inoculation impact on Acorus calamus L. - An ethnomedicinal plant of western Himalaya and its in silico studies for anti-inflammatory potential. <i>Journal of Ethnopharmacology</i> , 2021 , 265, 113353	5	4
962	The role of hypoxia-inducible factor 1 in tumor immune evasion. <i>Medicinal Research Reviews</i> , 2021 , 41, 1622-1643	14.4	44
961	Mycorrhizas promote P acquisition of tea plants through changes in root morphology and P transporter gene expression. <i>South African Journal of Botany</i> , 2021 , 137, 455-462	2.9	9
960	Tacrine and its 7-methoxy derivate; time-change concentration in plasma and brain tissue and basic toxicological profile in rats. <i>Drug and Chemical Toxicology</i> , 2021 , 44, 207-214	2.3	4
959	An Overview of New Strategies Based on Functional Nanoscale Materials to the Treatment of Tuberculosis. <i>Engineering Materials</i> , 2021 , 567-590	0.4	
958	Effects of Rhizophagus intraradices and Rhizobium trifolii on growth and N assimilation of white clover. <i>Plant Growth Regulation</i> , 2021 , 93, 311-318	3.2	4
957	Searching for potential drugs against SARS-CoV-2 through virtual screening on several molecular targets. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-14	3.6	0
956	Design, synthesis, studies and evaluation of isatin-pyridine oximes hybrids as novel acetylcholinesterase reactivators. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021 , 36, 1370-1377	5.6	3
955	Nanohybrid Antifungals for Control of Plant Diseases: Current Status and Future Perspectives. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 7,	5.6	19
954	Advances Toward the Development of New Therapeutic Strategies Targeting Acetylcholinesterase and Its Remediation Processes. <i>Engineering Materials</i> , 2021 , 619-647	0.4	
953	The pnicogen bond: a quantitative molecular orbital picture. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 13842-13852	3.6	11
952	Aflatoxin Detoxification Using Microorganisms and Enzymes. <i>Toxins</i> , 2021 , 13,	4.9	14
951	Spirulina 2021 , 959-974		1

950	Ethnomedicinal Plants Traditionally Used for the Treatment of Jaundice (Icterus) in Himachal Pradesh in Western Himalaya-A Review. <i>Plants</i> , 2021 , 10,	4.5	9
949	Optimization of Tilmicosin-Loaded Nanostructured Lipid Carriers Using Orthogonal Design for Overcoming Oral Administration Obstacle. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
948	A Quantitative Molecular Orbital Perspective of the Chalcogen Bond. <i>ChemistryOpen</i> , 2021 , 10, 391-401	2.3	17
947	Label-Free DNA Electrochemical Aptasensor for Fumonisin B1 Detection in Maize Based on Graphene and Gold Nanocomposite. <i>Journal of Analytical Chemistry</i> , 2021 , 76, 252-257	1.1	2
946	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	5.1	4
945	Chronic Exposure to Organophosphates Pesticides and Risk of Metabolic Disorder in Cohort from Pakistan and Cameroon. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	6
944	Mycorrhiza-induced plant defence responses in trifoliolate orange infected by <i>Phytophthora parasitica</i> . <i>Acta Physiologiae Plantarum</i> , 2021 , 43, 1	2.6	5
943	Chemistry and Toxicology of Major Bioactive Substances in Mushrooms. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	8
942	Chalcogen bonds: Hierarchical ab initio benchmark and density functional theory performance study. <i>Journal of Computational Chemistry</i> , 2021 , 42, 688-698	3.5	9
941	Exosome/Liposome-like Nanoparticles: New Carriers for CRISPR Genome Editing in Plants. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	12
940	Investigating an efficient and accurate protocol for sampling structures from molecular dynamics simulations: a close look by different wavelet families. <i>Theoretical Chemistry Accounts</i> , 2021 , 140, 1	1.9	0
939	Deoxynivalenol (Vomitoxin)-Induced Anorexia Is Induced by the Release of Intestinal Hormones in Mice. <i>Toxins</i> , 2021 , 13,	4.9	3
938	Controversies about hydrogen bonds in water molecules on the influence of high magnetic fields: implications on structural and electronic parameters. <i>Molecular Simulation</i> , 2021 , 47, 1159-1167	2	2
937	The Change in Fatty Acids and Sugars Reveals the Association between Trifoliolate Orange and Endophytic Fungi. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 7,	5.6	6
936	Easily Extractable Glomalin-Related Soil Protein as Foliar Spray Improves Nutritional Qualities of Late Ripening Sweet Oranges. <i>Horticulturae</i> , 2021 , 7, 228	2.5	3
935	Bulk and surface theoretical investigation of Nb-doped γ -FeOOH as a promising bifunctional catalyst. <i>Journal of Molecular Modeling</i> , 2021 , 27, 249	2	
934	Chitosan-Urea Nanocomposite for Improved Fertilizer Applications: The Effect on the Soil Enzymatic Activities and Microflora Dynamics in N Cycle of Potatoes (L.). <i>Polymers</i> , 2021 , 13,	4.5	5
933	Signal transducer and activator of transcription 3 signaling in tumor immune evasion. <i>Pharmacology & Therapeutics</i> , 2021 , 230, 107969	13.9	4

932	Antifungal and mycotoxin detoxification ability of essential oils: A review. <i>Phytotherapy Research</i> , 2021 ,	6.7	4
931	A review of the interaction of medicinal plants and arbuscular mycorrhizal fungi in the rhizosphere. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021 , 49, 12454	1.2	3
930	The role of microRNA-21 in the onset and progression of cancer. <i>Future Medicinal Chemistry</i> , 2021 , 13, 1885-1906	4.1	7
929	Exogenous Glomalin-Related Soil Proteins Differentially Regulate Soil Properties in Trifoliolate Orange. <i>Agronomy</i> , 2021 , 11, 1896	3.6	0
928	Hypothesis: Long non-coding RNA is a potential target of mycotoxins. <i>Food and Chemical Toxicology</i> , 2021 , 155, 112397	4.7	0
927	Differential Effects of Exogenous Glomalin-Related Soil Proteins on Plant Growth of Trifoliolate Orange Through Regulating Auxin Changes. <i>Frontiers in Plant Science</i> , 2021 , 12, 745402	6.2	4
926	<i>Bacillus amyloliquefaciens</i> B10 inhibits aflatoxin B1-induced cecal inflammation in mice by regulating their intestinal flora. <i>Food and Chemical Toxicology</i> , 2021 , 156, 112438	4.7	3
925	5-Fluorouracil loaded magnetic cellulose bionanocomposites for potential colorectal cancer treatment. <i>Carbohydrate Polymers</i> , 2021 , 273, 118523	10.3	10
924	Indian medicinal plants as drug leads in neurodegenerative disorders 2021 , 31-45		3
923	The role of mTOR in age-related diseases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021 , 36, 1679-1693	5.6	6
922	Inoculation with <i>Clariodeoglopus etunicatum</i> improves leaf food quality of tea exposed to P stress. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021 , 49, 12166	1.2	1
921	Marine Invertebrate Peptides: Antimicrobial Peptides.. <i>Frontiers in Microbiology</i> , 2021 , 12, 785085	5.7	2
920	Elucidating the Mechanisms Underlying Enhanced Drought Tolerance in Plants Mediated by Arbuscular Mycorrhizal Fungi.. <i>Frontiers in Microbiology</i> , 2021 , 12, 809473	5.7	5
919	Interaction of synthesized nitrogen enriched graphene quantum dots with novel anti-Alzheimer's drugs: spectroscopic insights. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 1822-1837	3.6	10
918	Macrofungi-Assisted Nanoparticle Synthesis and Its Potential Applications: A Review. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020 , 6,	5.6	21
917	The oxazolomycin family: a review of current knowledge.. <i>RSC Advances</i> , 2020 , 10, 40745-40794	3.7	2
916	Smart and Climate-Smart Agricultural Trends as Core Aspects of Smart Village Functions. <i>Sensors</i> , 2020 , 20,	3.8	12
915	Multi-spectroscopic monitoring of molecular interactions between an amino acid-functionalized ionic liquid and potential anti-Alzheimer's drugs.. <i>RSC Advances</i> , 2020 , 10, 38873-38883	3.7	6

914	Antidotal Potency of the Novel, Structurally Different Adsorbents in Rats Acutely Intoxicated with the T-2 Toxin. <i>Toxins</i> , 2020 , 12,	4.9	3
913	Digoxin: Pharmacology and toxicology-A review. <i>Environmental Toxicology and Pharmacology</i> , 2020 , 79, 103400	5.8	15
912	Cannabis Constituents and Acetylcholinesterase Interaction: Molecular Docking, In Vitro Studies and Association with rs and. <i>Biomolecules</i> , 2020 , 10,	5.9	6
911	Innate Immune System and Multiple Sclerosis. Granulocyte Numbers Are Reduced in Patients Affected by Relapsing-Remitting Multiple Sclerosis during the Remission Phase. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	3
910	The social and economic burden on family caregivers for older adults in the Czech Republic. <i>BMC Geriatrics</i> , 2020 , 20, 171	4.1	6
909	Identification and characterization of a circadian clock-associated pseudo-response regulator 7 gene from trifoliolate orange. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2020 , 48, 128-139	1.2	
908	Wide-Antimicrobial Spectrum of Picolinium Salts. <i>Molecules</i> , 2020 , 25,	4.8	3
907	Phenytoin - An anti-seizure drug: Overview of its chemistry, pharmacology and toxicology. <i>Food and Chemical Toxicology</i> , 2020 , 142, 111393	4.7	13
906	Exploring spectroscopic insights into molecular recognition of potential anti-Alzheimer's drugs within the hydrophobic pockets of Cycloamylose. <i>Journal of Molecular Liquids</i> , 2020 , 311, 113269	6	4
905	Monitoring of blood cholinesterase activity in workers exposed to nerve agents 2020 , 1035-1045		
904	History of toxicology: from killers to healers 2020 , 3-15		0
903	Other toxic chemicals as potential chemical warfare agents 2020 , 403-412		0
902	Fruit and Vegetable Peels: Utilization of High Value Horticultural Waste in Novel Industrial Applications. <i>Molecules</i> , 2020 , 25,	4.8	44
901	Review on essential oils, chemical composition, extraction, and utilization of some conifers in Northwestern Himalayas. <i>Phytotherapy Research</i> , 2020 , 34, 2889-2910	6.7	9
900	An observational study demonstrating the adherence and ease of use of the injector device, RebiSmart [®] . <i>Expert Opinion on Drug Delivery</i> , 2020 , 17, 719-724	8	4
899	Mycorrhiza-released glomalin-related soil protein fractions contribute to soil total nitrogen in trifoliolate orange. <i>Plant, Soil and Environment</i> , 2020 , 66, 183-189	2.2	18
898	Mycorrhizal roles in plant growth, gas exchange, root morphology, and nutrient uptake of walnuts. <i>Plant, Soil and Environment</i> , 2020 , 66, 295-302	2.2	10
897	Trends in the Recent Patent Literature on Cholinesterase Reactivators (2016-2019). <i>Biomolecules</i> , 2020 , 10,	5.9	8

896	Benzothiazolyl Ureas are Low Micromolar and Uncompetitive Inhibitors of 17βHSD10 with Implications to Alzheimer's Disease Treatment. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
895	Deoxynivalenol Induces Inflammation in IPEC-J2 Cells by Activating P38 Mapk And Erk1/2. <i>Toxins</i> , 2020 , 12,	4.9	7
894	Red-Crowned Crane () Reproduction Was Improved by Inhibiting Mycotoxins with Montmorillonite in Feed. <i>Toxins</i> , 2020 , 12,	4.9	1
893	The 2019 Novel Coronavirus (COVID-19) Outbreak in China and World: A New Lesson for Public Health System. <i>Letters in Drug Design and Discovery</i> , 2020 , 17,	0.8	1
892	New Regulations on Medical Devices in Europe: Are They an Opportunity for Growth?. <i>Administrative Sciences</i> , 2020 , 10, 16	2.5	10
891	Acetylcholinesterase: The "Hub" for Neurodegenerative Diseases and Chemical Weapons Convention. <i>Biomolecules</i> , 2020 , 10,	5.9	8
890	Anorexic responses to trichothecene deoxynivalenol and its congeners correspond to secretion of tumor necrosis factor-α and interleukin-1β <i>Environmental Toxicology and Pharmacology</i> , 2020 , 77, 103371	5.8	2
889	Complexity Stage Model of the Medical Device Development Based on Economic Evaluation <i>MedDee. Sustainability</i> , 2020 , 12, 1755	3.6	4
888	Thermal Aging of Menzolit BMC 3100. <i>Advances in Materials Science and Engineering</i> , 2020 , 2020, 1-8	1.5	
887	Arbuscular Mycorrhizal Fungi as Potential Agents in Ameliorating Heavy Metal Stress in Plants. <i>Agronomy</i> , 2020 , 10, 815	3.6	39
886	Assessment of Mental Burden of Family Caregivers of Persons with Health Disabilities in the Czech Republic. <i>Social Sciences</i> , 2020 , 9, 95	1.8	0
885	Glycosylated-imidazole aldoximes as reactivators of pesticides inhibited AChE: Synthesis and in-vitro reactivation study. <i>Environmental Toxicology and Pharmacology</i> , 2020 , 80, 103454	5.8	3
884	Global impact of chemical warfare agents used before and after 1945 2020 , 27-36		1
883	Chemical weapons of mass destruction and terrorism: a threat analysis 2020 , 79-94		1
882	Novichoks 2020 , 143-148		0
881	Pharmacological prophylaxis against nerve agent poisoning: experimental studies and practical implications 2020 , 1091-1101		
880	Molecular responses of arbuscular mycorrhizal fungi in tolerating root rot of trifoliate orange. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2020 , 48, 558-571	1.2	3
879	Experimental and theoretical affinity and catalysis studies between halogenated phenols and peroxidases: Understanding the bioremediation potential. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 202, 110895	7	5

878	Reactivation of VX-Inhibited Human Acetylcholinesterase by Deprotonated Pralidoxime. A Complementary Quantum Mechanical Study. <i>Biomolecules</i> , 2020 , 10,	5.9	7
877	Cardiomyopathy induced by T-2 toxin in rats. <i>Food and Chemical Toxicology</i> , 2020 , 137, 111138	4.7	5
876	Opinions on Sustainability of Smart Cities in the Context of Energy Challenges Posed by Cryptocurrency Mining. <i>Sustainability</i> , 2020 , 12, 169	3.6	12
875	Effects of Mycorrhizae on Physiological Responses and Relevant Gene Expression of Peach Affected by Replant Disease. <i>Agronomy</i> , 2020 , 10, 186	3.6	4
874	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
873	Commercial ICT Smart Solutions for the Elderly: State of the Art and Future Challenges in the Smart Furniture Sector. <i>Electronics (Switzerland)</i> , 2020 , 9, 149	2.6	6
872	Detection of Chemical Weapon Agents Using Spectroscopic Probes: A Computational Study. <i>Journal of Chemistry</i> , 2020 , 2020, 1-11	2.3	2
871	Social Media University Branding. <i>Education Sciences</i> , 2020 , 10, 74	2.2	4
870	Contribution of glomalin-related soil proteins to soil organic carbon in trifoliolate orange. <i>Applied Soil Ecology</i> , 2020 , 154, 103592	5	31
869	Theoretical Studies Aimed at Finding FLT3 Inhibitors and a Promising Compound and Molecular Pattern with Dual Aurora B/FLT3 Activity. <i>Molecules</i> , 2020 , 25,	4.8	3
868	Influence of Family Environment and Tobacco Addiction: A Short Report from a Post-Graduate Teaching Hospital, India. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	3
867	Role of Vacha (Linn.) in Neurological and Metabolic Disorders: Evidence from Ethnopharmacology, Phytochemistry, Pharmacology and Clinical Study. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	11
866	Review of Available SW Solutions for Intellectual Property Management Systems from the Perspective of Open Innovation. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , 2020 , 6, 23	3.7	2
865	Flower-Based Green Synthesis of Metallic Nanoparticles: Applications beyond Fragrance. <i>Nanomaterials</i> , 2020 , 10,	5.4	49
864	Novel cholinesterase reactivators 2020 , 1161-1177		
863	Pharmacokinetics of a Mono-pyridinium-mono-aldoxime (K-347), a Potential Antidote in Organophosphate Poisoning. <i>Open Medicinal Chemistry Journal</i> , 2020 , 14, 99-107	1.2	1
862	Current Anti-Inflammatory Therapies and the Potential of Secretory Phospholipase A2 Inhibitors in the Design of New Anti-Inflammatory Drugs: A Review of 2012 - 2018. <i>Current Medicinal Chemistry</i> , 2020 , 27, 477-497	4.3	4
861	Perspectives on the Role of the Frontier Effective-for-Reaction Molecular Orbital (FERMO) in the Study of Chemical Reactivity: An Updated Review. <i>Current Organic Chemistry</i> , 2020 , 24, 314-331	1.7	8

860	Effects of Montmorillonite on Growth Performance, Serum Biochemistry and Oxidative Stress of Red-Crowned Crane () Fed Mycotoxin-Contaminated Feed. <i>Current Drug Metabolism</i> , 2020 , 21, 626-632	3.5	1
859	Donepezil and Rivastigmine: Pharmacokinetic Profile and Brain-targeting After Intramuscular Administration in Rats. <i>Iranian Journal of Pharmaceutical Research</i> , 2020 , 19, 95-102	1.1	1
858	A Novel Herbal Hydrogel Formulation of for Wound Healing. <i>Plants</i> , 2020 , 10,	4.5	5
857	Are Social Networks Sufficiently Used in Companies? Case Study in the Czech Republic. <i>Sustainability</i> , 2020 , 12, 1160	3.6	1
856	DEFINITION OF THE TARGET POPULATION FOR EXTERNAL PACEMAKER AS A KEY ASPECT IN SUCCESSFUL MEDICAL DEVICE HTA PROCESS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2020 , 89, 99-107	0.2	
855	Novel Thermal Image Classification Based on Techniques Derived from Mathematical Morphology: Case of Breast Cancer. <i>Lecture Notes in Computer Science</i> , 2020 , 683-694	0.9	5
854	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
853	From hypoxia and hypoxia-inducible factors (HIF) to oxidative stress: A new understanding of the toxic mechanism of mycotoxins. <i>Food and Chemical Toxicology</i> , 2020 , 135, 110968	4.7	18
852	FeOOH as Support for Immobilization Peroxidase: Optimization via a Chemometric Approach. <i>Molecules</i> , 2020 , 25,	4.8	14
851	Synthesis, 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	5.6	12
850	Encapsulation of oxime K027 into cucurbit[7]uril: In vivo evaluation of safety, absorption, brain distribution and reactivation effectiveness. <i>Toxicology Letters</i> , 2020 , 320, 64-72	4.4	9
849	Mycorrhizas enhance drought tolerance of trifoliolate orange by enhancing activities and gene expression of antioxidant enzymes. <i>Scientia Horticulturae</i> , 2020 , 262, 108745	4.1	30
848	Cysteine-Targeted Insecticides against Acetylcholinesterase Are Neither Selective nor Reversible Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 65-71	4.3	6
847	Understanding the Interaction Modes and Reactivity of Trimedoxime toward AChE Inhibited by Nerve Agents: Theoretical and Experimental Aspects. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
846	Protective Effects of Simvastatin on Endotoxin-Induced Acute Kidney Injury through Activation of Tubular Epithelial Cells' Survival and Hindering Cytochrome C-Mediated Apoptosis. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
845	Plant Fortification of the Diet for Anti-Ageing Effects: A Review. <i>Nutrients</i> , 2020 , 12,	6.7	10
844	The neurotoxicity of trichothecenes T-2 toxin and deoxynivalenol (DON): Current status and future perspectives. <i>Food and Chemical Toxicology</i> , 2020 , 145, 111676	4.7	15
843	Analysis of PON1 gene polymorphisms (rs662 and rs854560) and inflammatory markers in organophosphate pesticides exposed cohorts from two distinct populations. <i>Environmental Research</i> , 2020 , 191, 110210	7.9	5

842	Adjunct use of honey in diabetes mellitus: A consensus or conundrum?. <i>Trends in Food Science and Technology</i> , 2020 , 106, 254-274	15.3	13
841	Zinc-Based Nanomaterials for Diagnosis and Management of Plant Diseases: Ecological Safety and Future Prospects. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020 , 6,	5.6	29
840	Type A Trichothecene Diacetoxyscirpenol-Induced Emesis Corresponds to Secretion of Peptide YY and Serotonin in Mink. <i>Toxins</i> , 2020 , 12,	4.9	4
839	Antioxidant Functionalized Nanoparticles: A Combat against Oxidative Stress. <i>Nanomaterials</i> , 2020 , 10,	5.4	41
838	Bioactive Compounds of Edible Fruits with Their Anti-Aging Properties: A Comprehensive Review to Prolong Human Life. <i>Antioxidants</i> , 2020 , 9,	7.1	29
837	Fruit Extract Mediated Green Synthesis of Metallic Nanoparticles: A New Avenue in Pomology Applications. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	24
836	Conifer-Derived Metallic Nanoparticles: Green Synthesis and Biological Applications. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	12
835	Ligand-Based Virtual Screening, Molecular Docking, Molecular Dynamics, and MM-PBSA Calculations towards the Identification of Potential Novel Ricin Inhibitors. <i>Toxins</i> , 2020 , 12,	4.9	12
834	Flakka: New Dangerous Synthetic Cathinone on the Drug Scene. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
833	Safety and Efficacy of New Oximes to Reverse Low Dose Diethyl-Paraoxon-Induced Ventilatory Effects in Rats. <i>Molecules</i> , 2020 , 25,	4.8	1
832	Medical Device Development Process, and Associated Risks and Legislative Aspects-Systematic Review. <i>Frontiers in Public Health</i> , 2020 , 8, 308	6	6
831	The Puzzling Potential of Carbon Nanomaterials: General Properties, Application, and Toxicity. <i>Nanomaterials</i> , 2020 , 10,	5.4	18
830	Vaccine Design from the Ensemble of Surface Glycoprotein Epitopes of SARS-CoV-2: An Immunoinformatics Approach. <i>Vaccines</i> , 2020 , 8,	5.3	30
829	Conformational fingerprints in the modelling performance of MIA-QSAR: a case for SARS-CoV protease inhibitors. <i>Molecular Simulation</i> , 2020 , 46, 1055-1061	2	4
828	Understanding of Colistin Usage in Food Animals and Available Detection Techniques: A Review. <i>Animals</i> , 2020 , 10,	3.1	14
827	: A Review on Nutritional Features, Chemical Composition, Traditional and Medicinal Value. <i>Plants</i> , 2020 , 9,	4.5	23
826	The spatial distribution patterns of rainfall use efficiency (RUE) of evergreen coniferous forests in Chinese subtropical zone. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2020 , 48, 492-502	1.2	
825	Detection of Bacterial Pathogens and Antibiotic Residues in Chicken Meat: A Review. <i>Foods</i> , 2020 , 9,	4.9	4

824	Alterations in Growth and Morphology of and in Response to Nanoparticle Supplementation. <i>Mycobiology</i> , 2020 , 48, 383-391	1.7	4
823	An update on T-2 toxin and its modified forms: metabolism, immunotoxicity mechanism, and human exposure assessment. <i>Archives of Toxicology</i> , 2020 , 94, 3645-3669	5.8	19
822	Deciphering inhibitory activity of flavonoids against tau protein kinases: a coupled molecular docking and quantum chemical study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-14	3.6	3
821	Oxidative Stress and Analysis of Selected SNPs of (rs 2571598), (rs 3495), (rs 7943316), (rs 10823108), (rs 1695), and Gene , in Chronic Organophosphates Exposed Groups from Cameroon and Pakistan. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
820	Pyridostigmine bromide and its relation to Gulf War illness. <i>Toxin Reviews</i> , 2020 , 39, 138-146	2.3	2
819	Effects of mycorrhizas on physiological performance and root TIPs expression in trifoliolate orange under salt stress. <i>Archives of Agronomy and Soil Science</i> , 2020 , 66, 182-192	2	7
818	Oxime K074 In vitro and in silico reactivation of acetylcholinesterase inhibited by nerve agents and pesticides. <i>Toxin Reviews</i> , 2020 , 39, 157-166	2.3	2
817	3D surface profile diagnosis using digital image processing for laboratory use. <i>Journal of Central South University</i> , 2020 , 27, 811-823	2.1	4
816	Friend or enemy? Review of 17βHSD10 and its role in human health or disease. <i>Journal of Neurochemistry</i> , 2020 , 155, 231-249	6	7
815	Piriformospora indica: a root endophytic fungus and its roles in plants. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2020 , 48, 1-13	1.2	10
814	Combined Pre- and Posttreatment of Paraoxon Exposure. <i>Molecules</i> , 2020 , 25,	4.8	4
813	Applications of Nanotechnology in Sensor-Based Detection of Foodborne Pathogens. <i>Sensors</i> , 2020 , 20,	3.8	37
812	Arbuscular Mycorrhizal Fungi Regulate Polyamine Homeostasis in Roots of Trifoliolate Orange for Improved Adaptation to Soil Moisture Deficit Stress. <i>Frontiers in Plant Science</i> , 2020 , 11, 600792	6.2	13
811	Metabolic Pathway of Cyclosporine A and Its Correlation with Nephrotoxicity. <i>Current Drug Metabolism</i> , 2019 , 20, 84-90	3.5	14
810	Multi-Biometric System Based on Cutting-Edge Equipment for Experimental Contactless Verification. <i>Sensors</i> , 2019 , 19,	3.8	4
809	Combat Military Personnel and Selective Risk Factors for the Development of Dementias - A Review. <i>Current Psychiatry Research and Reviews</i> , 2019 , 15, 44-48	0.5	
808	Effectiveness of the dog therapy for patients with dementia - a systematic review. <i>BMC Psychiatry</i> , 2019 , 19, 276	4.2	18
807	Are the current methods for the distribution of public funds in secondary education effective? Multiple criteria model in the Czech Republic. <i>Economic Research-Ekonomika Istrazivanja</i> , 2019 , 32, 1869-1882	2.5	1

806	Coffee, Caffeine and Cognition: a Benefit or Disadvantage?. <i>Letters in Drug Design and Discovery</i> , 2019 , 16, 1146-1156	0.8	1
805	The Concentration of Memantine in the Cerebrospinal Fluid of Alzheimer's Disease Patients and Its Consequence to Oxidative Stress Biomarkers. <i>Frontiers in Pharmacology</i> , 2019 , 10, 943	5.6	9
804	Mycorrhizal symbiosis down-regulates or does not change root aquaporin expression in trifoliolate orange under drought stress. <i>Plant Physiology and Biochemistry</i> , 2019 , 144, 292-299	5.4	16
803	<i>Jatropha gossypifolia</i> L. and its biologically active metabolites: A mini review. <i>Journal of Ethnopharmacology</i> , 2019 , 234, 197-203	5	12
802	Predictions of Alzheimer's disease treatment and care costs in European countries. <i>PLoS ONE</i> , 2019 , 14, e0210958	3.7	31
801	NMR relaxation and relaxivity parameters of MRI probes revealed by optimal wavelet signal compression of molecular dynamics simulations. <i>International Journal of Quantum Chemistry</i> , 2019 , 119, e25896	2.1	9
800	Slight difference in the isomeric oximes K206 and K203 makes huge difference for the reactivation of organophosphorus-inhibited AChE: Theoretical and experimental aspects. <i>Chemico-Biological Interactions</i> , 2019 , 309, 108671	5	10
799	Development of technologies applied to the biodegradation of warfare nerve agents: Theoretical evidence for asymmetric homogeneous catalysis. <i>Chemico-Biological Interactions</i> , 2019 , 308, 323-331	5	11
798	Comparison of oximes K203 and K027 based on Benchmark dose analysis of rat diaphragmal acetylcholinesterase reactivation. <i>Chemico-Biological Interactions</i> , 2019 , 308, 385-391	5	4
797	Interspecies and intergender differences in acute toxicity of K-oximes drug candidates. <i>Chemico-Biological Interactions</i> , 2019 , 308, 312-316	5	4
796	Synthesis and in vitro evaluation of neutral aryloximes as reactivators of Electrophorus eel acetylcholinesterase inhibited by NEMP, a VX surrogate. <i>Chemico-Biological Interactions</i> , 2019 , 309, 108682	5.2	6
795	Venous Thromboembolism as an Adverse Effect During Treatment With Olanzapine: A Case Series. <i>Frontiers in Psychiatry</i> , 2019 , 10, 330	5	3
794	Molecular modelling studies on the interactions of 7-methoxytacrine-4-pyridinealdoxime with VX-inhibited human acetylcholinesterase. A near attack approach to assess different spacer-lengths. <i>Chemico-Biological Interactions</i> , 2019 , 307, 195-205	5	3
793	Novel Four Stages Classification of Breast Cancer Using Infrared Thermal Imaging and a Deep Learning Model. <i>Lecture Notes in Computer Science</i> , 2019 , 63-74	0.9	4
792	Chyawanprash: A Traditional Indian Bioactive Health Supplement. <i>Biomolecules</i> , 2019 , 9,	5.9	42
791	Vascular Cognitive Impairment: Information from Animal Models on the Pathogenic Mechanisms of Cognitive Deficits. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	10
790	Arbuscular Mycorrhiza Improves Leaf Food Quality of Tea Plants. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2019 , 47,	1.2	3
789	Molecular modeling studies on the interactions of 7-methoxytacrine-4-pyridinealdoxime, 4-PA, 2-PAM, and obidoxime with VX-inhibited human acetylcholinesterase: a near attack conformation approach. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019 , 34, 1018-1029	5.6	11

788	Surface screening, molecular modeling and in vitro studies on the interactions of aflatoxin M1 and human enzymes acetyl- and butyrylcholinesterase. <i>Chemico-Biological Interactions</i> , 2019 , 308, 113-119	5	3
787	Butyrylcholinesterase inhibited by nerve agents is efficiently reactivated with chlorinated pyridinium oximes. <i>Chemico-Biological Interactions</i> , 2019 , 307, 16-20	5	20
786	Non-conventional compounds with potential therapeutic effects against Alzheimer's disease. <i>Expert Review of Neurotherapeutics</i> , 2019 , 19, 375-395	4.3	9
785	Inhibition of cholinesterases following percutaneous intoxication with V agents in rats. <i>Toxin Reviews</i> , 2019 , 1-6	2.3	
784	Music Therapy in the Management of Dementia. <i>Current Psychiatry Research and Reviews</i> , 2019 , 15, 20-25.	5.5	1
783	Recent Developments in Metal-Based Drugs and Chelating Agents for Neurodegenerative Diseases Treatments. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	25
782	Molecular interactions between p-coumaric acid and snake venom toxins. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 14594-14603	4.7	6
781	Traditional Ayurvedic and herbal remedies for Alzheimer's disease: from bench to bedside. <i>Expert Review of Neurotherapeutics</i> , 2019 , 19, 359-374	4.3	22
780	Structure-Based Virtual Screening and Synthesis of Mn ²⁺ Complexes of Benzothiazole Derivatives for Designing New MRI Probes. <i>ChemistrySelect</i> , 2019 , 4, 3118-3122	1.8	1
779	Traditional Chinese Medicine as an Effective Complementary Non-Pharmacological Approach to Mild Cognitive Impairment: A Call for Collaboration. <i>Journal of Alzheimer's Disease</i> , 2019 , 68, 1185-1192	4.3	4
778	JNK signaling in cancer cell survival. <i>Medicinal Research Reviews</i> , 2019 , 39, 2082-2104	14.4	89
777	Novichoks: The Dangerous Fourth Generation of Chemical Weapons. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	46
776	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
775	A New Method for Extraction and Analysis of Ricin Samples through MALDI-TOF-MS/MS. <i>Toxins</i> , 2019 , 11,	4.9	4
774	In vitro investigating of anticancer activity of new 7-MEOTA-tacrine heterodimers. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019 , 34, 877-897	5.6	12
773	Simvastatin Inhibits Endotoxin-Induced Apoptosis in Liver and Spleen Through Up-Regulation of Survivin/NF- κ B/p65 Expression. <i>Frontiers in Pharmacology</i> , 2019 , 10, 54	5.6	14
772	Toxic Injury to Muscle Tissue of Rats Following Acute Oximes Exposure. <i>Scientific Reports</i> , 2019 , 9, 1457	4.9	12
771	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

770	Asymmetric biodegradation of the nerve agents Sarin and VX by human dUTPase: chemometrics, molecular docking and hybrid QM/MM calculations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019 , 37, 2154-2164	3.6	7
769	The history of poisoning: from ancient times until modern ERA. <i>Archives of Toxicology</i> , 2019 , 93, 11-24	5.8	22
768	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	3.6	14
767	The Need for Mobile Apps for Maternal and Child Health Care in Center and East Europe. <i>Lecture Notes in Computer Science</i> , 2019 , 95-108	0.9	
766	Synthesis of New Quinoline-Piperonal Hybrids as Potential Drugs against Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	10
765	Esterase 2 as a fluorescent biosensor for the detection of organophosphorus compounds: docking and electronic insights from molecular dynamics. <i>Molecular Simulation</i> , 2019 , 45, 1432-1436	2	6
764	. <i>IEEE Access</i> , 2019 , 7, 94822-94839	3.5	13
763	Efficacy of methylprednisolone on T-2 toxin-induced cardiotoxicity in vivo: A pathohistological study. <i>Environmental Toxicology and Pharmacology</i> , 2019 , 71, 103221	5.8	7
762	Highly hydrophilic cationic gold nanorods stabilized by novel quaternary ammonium surfactant with negligible cytotoxicity. <i>Journal of Biophotonics</i> , 2019 , 12, e201900024	3.1	2
761	Reactivation potency of two novel oximes (K456 and K733) against paraoxon-inhibited acetyl and butyrylcholinesterase: In silico and in vitro models. <i>Chemico-Biological Interactions</i> , 2019 , 310, 108735	5	2
760	Novel Benzothiazole-based Ureas as 17βHSD10 Inhibitors, A Potential Alzheimer's Disease Treatment. <i>Molecules</i> , 2019 , 24,	4.8	7
759	Oximes as pretreatment before acute exposure to paraoxon. <i>Journal of Applied Toxicology</i> , 2019 , 39, 1506-1515	4.1	5
758	Disarming Virulence by the Inhibitory Action of 1,10-Phenanthroline-5,6-Dione-Based Compounds: Elastase B (LasB) as a Chemotherapeutic Target. <i>Frontiers in Microbiology</i> , 2019 , 10, 1701	5.7	18
757	Novel Hand Gesture Alert System. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3419	2.6	6
756	In Vitro Evaluation of Neutral Aryloximes as Reactivators for Acetylcholinesterase Inhibited by Paraoxon. <i>Biomolecules</i> , 2019 , 9,	5.9	10
755	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
754	Antiureolytic Activity of Substituted 2,5-Diaminobenzoquinones. <i>Chemistry and Biodiversity</i> , 2019 , 16, e1900503	2.5	2
753	Effect Of An Extra-Virgin Olive Oil Intake On The Delay Of Cognitive Decline: Role Of Secoiridoid Oleuropein?. <i>Neuropsychiatric Disease and Treatment</i> , 2019 , 15, 3033-3040	3.1	12

752	Antimicrobial Peptides: Amphibian Host Defense Peptides. <i>Current Medicinal Chemistry</i> , 2019 , 26, 5924-5946	4.9	31
751	Nerve Agents Surrogates: Invaluable Tools for Development of Acetylcholinesterase Reactivators. <i>Current Organic Chemistry</i> , 2019 , 23, 1539-1559	1.7	8
750	Beauvericin, A Fusarium Mycotoxin: Anticancer Activity, Mechanisms, and Human Exposure Risk Assessment. <i>Mini-Reviews in Medicinal Chemistry</i> , 2019 , 19, 206-214	3.2	9
749	N-alkylated Tacrine Derivatives as Potential Agents in Alzheimer's Disease Therapy. <i>Current Alzheimer Research</i> , 2019 , 16, 333-343	3	2
748	Dose-Dependent Tissue Distribution of K117, a Bis-pyridinium Aldoxime, in Rats. <i>Open Medicinal Chemistry Journal</i> , 2019 , 13, 1-6	1.2	3
747	Are we facing NOVICHOK nerve agent threat?. <i>Australasian Medical Journal</i> , 2019 , 12,	2	3
746	Hybrid Distributed Computing System Based on Canvas and Dynamo. <i>Lecture Notes in Computer Science</i> , 2019 , 281-293	0.9	
745	Alzheimer's Disease: Physical Activities as an Effective Intervention Tool - A Mini-Review. <i>Current Alzheimer Research</i> , 2019 , 16, 166-171	3	3
744	Selected rare paediatric communication neurological disorders.. <i>Journal of Applied Biomedicine</i> , 2019 , 17, 33	0.6	
743	Biodegradation of Organophosphorus Compounds Predicted by Enzymatic Process Using Molecular Modelling and Observed in Soil Samples Through Analytical Techniques and Microbiological Analysis: A Comparison. <i>Molecules</i> , 2019 , 25,	4.8	6
742	Determination of Hypericin in Hypericum perforatum (St. John's Wort) Using Classical C18 and Pentafluorophenyl Stationary Phases: Contribution of $\pi\pi$ Interactions to High-Performance Liquid Chromatography (HPLC). <i>Analytical Letters</i> , 2019 , 52, 1788-1812	2.2	3
741	The Business Process Model and Notation of Open Innovation: The Process of Developing Medical Instrument. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , 2019 , 5, 101	3.7	8
740	Donepezil Derivatives Targeting Amyloid- β Cascade in Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2019 , 16, 772-800	3	12
739	Acute Toxic Injuries of Rat's Visceral Tissues Induced by Different Oximes. <i>Scientific Reports</i> , 2019 , 9, 16425	4.9	4
738	E-learning as valuable caregivers' support for people with dementia - A systematic review. <i>BMC Health Services Research</i> , 2019 , 19, 781	2.9	11
737	First Attempts of the Use of Pt NMR of Phenylbenzothiazole Complexes as Spectroscopic Technique for the Cancer Diagnosis. <i>Molecules</i> , 2019 , 24,	4.8	4
736	Mycorrhiza Regulates Signal Substance Levels and Pathogen Defense Gene Expression to Resist Citrus Canker. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2019 , 47, 1161-1167	1.2	4
735	Future Therapeutic Perspectives into the Alzheimer's Disease Targeting the Oxidative Stress Hypothesis. <i>Molecules</i> , 2019 , 24,	4.8	38

734	Could Quantum Mechanical Properties Be Reflected on Classical Molecular Dynamics? The Case of Halogenated Organic Compounds of Biological Interest. <i>Frontiers in Chemistry</i> , 2019 , 7, 848	5	7
733	Effects of mycorrhizal fungi on root-hair growth and hormone levels of taproot and lateral roots in trifoliolate orange under drought stress. <i>Archives of Agronomy and Soil Science</i> , 2019 , 65, 1316-1330	2	38
732	Oxime K203: a drug candidate for the treatment of tabun intoxication. <i>Archives of Toxicology</i> , 2019 , 93, 673-691	5.8	14
731	3D perspective into MIA-QSAR: A case for anti-HCV agents. <i>Chemical Biology and Drug Design</i> , 2019 , 93, 1096-1104	2.9	5
730	Orexin supplementation in narcolepsy treatment: A review. <i>Medicinal Research Reviews</i> , 2019 , 39, 961-975	11.4	13
729	Role of neurotransmitters 5-hydroxytryptamine and substance P in anorexia induction following oral exposure to the trichothecene T-2 toxin. <i>Food and Chemical Toxicology</i> , 2019 , 123, 1-8	4.7	9
728	Experimental hydrophilic reactivator: bisoxime with three positive charges. <i>Chemical Papers</i> , 2019 , 73, 777-782	1.9	5
727	Internet of things in the assessment, diagnostics and treatment of Parkinson's disease. <i>Health and Technology</i> , 2019 , 9, 87-91	2.1	4
726	Molecular dynamics simulation and binding free energy studies of novel leads belonging to the benzofuran class inhibitors of Mycobacterium tuberculosis Polyketide Synthase 13. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019 , 37, 1616-1627	3.6	25
725	Novel Human Action Recognition in RGB-D Videos Based on Powerful View Invariant Features Technique. <i>Studies in Computational Intelligence</i> , 2018 , 343-353	0.8	3
724	Breast Cancer Detection Using Modern Visual IT Techniques. <i>Studies in Computational Intelligence</i> , 2018 , 397-407	0.8	4
723	Contactless Identification System Based on Visual Analysis of Examined Element. <i>Studies in Computational Intelligence</i> , 2018 , 409-420	0.8	
722	Probing long-range spin-spin coupling constants in 2-halo-substituted cyclohexanones and cyclohexanethiones: The role of solvent and stereoelectronic effects. <i>Magnetic Resonance in Chemistry</i> , 2018 , 56, 810-816	2.1	1
721	Characterization of the Penetration of the Blood-Brain Barrier by High-Performance Liquid Chromatography (HPLC) Using a Stationary Phase with an Immobilized Artificial Membrane. <i>Analytical Letters</i> , 2018 , 51, 2401-2414	2.2	5
720	Call for a Uniform Strategy of Collecting Alzheimer's Disease Costs: A Review and Meta-Analysis. <i>Journal of Alzheimer's Disease</i> , 2018 , 63, 227-238	4.3	8
719	Summary of numerical analyses for therapeutic uses of laser-activated gold nanoparticles. <i>International Journal of Hyperthermia</i> , 2018 , 34, 1255-1264	3.7	9
718	Potential roles for glucagon-like peptide-1 amide and cholecystokinin in anorectic response to the trichothecene mycotoxin T-2 toxin. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 153, 181-187	7	8
717	Use Effectiveness of Medical Devices: A Case Study on the Deployment of Ultrasonographic Devices. <i>Therapeutic Innovation and Regulatory Science</i> , 2018 , 52, 499-506	1.2	3

716	Rational design of novel TLR4 ligands by in silico screening and their functional and structural characterization in vitro. <i>European Journal of Medicinal Chemistry</i> , 2018 , 146, 38-46	6.8	10
715	Legislation, regulation and policies issues of orphan drugs in developed countries from 2010 to 2016. <i>Journal of Applied Biomedicine</i> , 2018 , 16, 175-179	0.6	2
714	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
713	1-(Benzo[d]thiazol-2-yl)-3-phenylureas as dual inhibitors of casein kinase 1 and ABAD enzymes for treatment of neurodegenerative disorders. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018 , 33, 665-670	5.6	18
712	Peroxonioibium inhibits leukemia cell growth.. <i>RSC Advances</i> , 2018 , 8, 10310-10313	3.7	6
711	Mycorrhiza-induced change in root hair growth is associated with IAA accumulation and expression of EXPs in trifoliolate orange under two P levels. <i>Scientia Horticulturae</i> , 2018 , 234, 227-235	4.1	15
710	Behavior of uncharged oximes compared to HI6 and 2-PAM in the human AChE-tabun conjugate: a molecular modeling approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 1430-1438	3.6	4
709	Gastroprotective effects of amifostine in rats treated by T-2 toxin. <i>Toxin Reviews</i> , 2018 , 37, 123-127	2.3	5
708	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
707	In silico and in vitro evaluation of two novel oximes (K378 and K727) in comparison to K-27 and pralidoxime against paraoxon-ethyl intoxication. <i>Toxicology Mechanisms and Methods</i> , 2018 , 28, 62-68	3.6	4
706	Biological safety and tissue distribution of (16-mercaptohexadecyl)trimethylammonium bromide-modified cationic gold nanorods. <i>Biomaterials</i> , 2018 , 154, 275-290	15.6	22
705	The New Acetylcholinesterase Inhibitors PC-37 and PC-48 (7-Methoxytacrine-Donepezil-Like Compounds): Characterization of Their Metabolites in Human Liver Microsomes, Pharmacokinetics and In Vivo Formation of the Major Metabolites in Rats. <i>Basic and Clinical Pharmacology and Therapeutics</i> , 2018 , 133, 270-288	3.1	9
704	Identification of biotransformation products of disperse dyes with rat liver microsomes by LC-MS/MS and theoretical studies with DNA: Structure-mutagenicity relationship using Salmonella/microsome assay. <i>Science of the Total Environment</i> , 2018 , 613-614, 1093-1103	10.2	11
703	Pediatric Narcolepsy: A Brief Report. <i>Clinical Pediatrics</i> , 2018 , 57, 738-740	1.2	
702	Intermolecular interactions between DNA and methamphetamine, amphetamine, ecstasy and their major metabolites. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 3047-3057	3.6	1
701	Soybean peroxidase immobilized on α -FeOOH as new magnetically recyclable biocatalyst for removal of ferulic acid. <i>Bioprocess and Biosystems Engineering</i> , 2018 , 41, 97-106	3.7	15
700	The role of the oximes HI-6 and HS-6 inside human acetylcholinesterase inhibited with nerve agents: a computational study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 3444-3452	3.6	8
699	In vitro skin decontamination of paraoxon - wet-type cleansing effect of selected detergents. <i>Cutaneous and Ocular Toxicology</i> , 2018 , 37, 77-83	1.8	7

698	Quantification through TLC-densitometric analysis, repellency and anticholinesterase activity of the homemade extract of Indian cloves. <i>Biomedical Chromatography</i> , 2018 , 32, e4096	1.7	6
697	Mechanism of cyclosporine A nephrotoxicity: Oxidative stress, autophagy, and signalings. <i>Food and Chemical Toxicology</i> , 2018 , 118, 889-907	4.7	51
696	Synthesis, Biological Evaluation, and Docking Studies of Novel Bisquaternary Aldoxime Reactivators on Acetylcholinesterase and Butyrylcholinesterase Inhibited by Paraoxon. <i>Molecules</i> , 2018 , 23,	4.8	9
695	Synergism of Plant Compound With Traditional Antimicrobials Against spp. Isolated From Bovine Mastitis. <i>Frontiers in Microbiology</i> , 2018 , 9, 1203	5.7	8
694	Factors Affecting the Number of Visitors in National Parks in the Czech Republic, Germany and Austria. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 124	2.9	8
693	Theoretical Studies Applied to the Evaluation of the DFPase Bioremediation Potential against Chemical Warfare Agents Intoxication. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	15
692	Comparison of Anorectic Potencies of Type A Trichothecenes T-2 Toxin, HT-2 Toxin, Diacetoxyscirpenol, and Neosolaniol. <i>Toxins</i> , 2018 , 10,	4.9	22
691	Biotransformation of disperse dyes using nitroreductase immobilized on magnetic particles modified with tosyl group: Identification of products by LC-MS-MS and theoretical studies conducted with DNA. <i>Environmental Pollution</i> , 2018 , 242, 863-871	9.3	3
690	The benefit of combinations of oximes for the ability of antidotal treatment to counteract sarin-induced brain damage in rats. <i>BMC Pharmacology & Toxicology</i> , 2018 , 19, 35	2.6	6
689	Anorectic response to the trichothecene T-2 toxin correspond to plasma elevations of the satiety hormone glucose-dependent insulinotropic polypeptide and peptide YY. <i>Toxicology</i> , 2018 , 402-403, 28-36	4.4	9
688	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
687	The Efficacy of Amifostine against Multiple-Dose Doxorubicin-Induced Toxicity in Rats. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	21
686	Development of small bisquaternary cholinesterase inhibitors as drugs for pre-treatment of nerve agent poisonings. <i>Drug Design, Development and Therapy</i> , 2018 , 12, 505-512	4.4	2
685	1-Benzyl-4-methylpiperidinyl moiety in donepezil: The priority ticket across the blood-brain-barrier in rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1092, 350-358	3.2	5
684	Semantic Dementia: A Mini-Review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2018 , 18, 3-8	3.2	4
683	The efficacy of selected bariatric surgery methods on lipid and glucose metabolism: a retrospective 12-month study. <i>Central European Journal of Public Health</i> , 2018 , 26, 49-53	1.2	4
682	Anti-Aging Drugs - Prospect of Longer Life?. <i>Current Medicinal Chemistry</i> , 2018 , 25, 1946-1953	4.3	10
681	A Review of the Synthesis of Quaternary Acetylcholinesterase Reactivators. <i>Current Organic Chemistry</i> , 2018 , 22, 1619-1648	1.7	5

680	A Global View on Narcolepsy - A Review Study. <i>Mini-Reviews in Medicinal Chemistry</i> , 2018 , 18, 458-464	3.2	3
679	Numeric, Agent-based or System Dynamics Model? Which Modeling Approach is the Best for Vast Population Simulation?. <i>Current Alzheimer Research</i> , 2018 , 15, 789-797	3	8
678	Role of Nut Consumption in the Management of Cognitive Decline - A Mini-Review. <i>Current Alzheimer Research</i> , 2018 , 15, 877-882	3	5
677	Tacrine-coumarin and Tacrine-7-chloroquinoline Hybrids with Thiourea Linkers: Cholinesterase Inhibition Properties, Kinetic Study, Molecular Docking and Permeability Assay for Blood-brain Barrier. <i>Current Alzheimer Research</i> , 2018 , 15, 1096-1105	3	4
676	Insights into the Drug Repositioning Applied to the Alzheimer's Disease Treatment and Future Perspectives. <i>Current Alzheimer Research</i> , 2018 , 15, 1161-1178	3	13
675	Missing Uniform Costs Classification for Alzheimer's Disease Treatment and Care. <i>Current Alzheimer Research</i> , 2018 , 15, 1297-1303	3	1
674	Alzheimer's Disease: Special Focus on the Efficacy of Computer-Based Training Programs - A Mini-Review. <i>Current Alzheimer Research</i> , 2018 , 15, 1213-1219	3	2
673	Oxime K033-Reactivation Activity of Cholinesterases Inhibited by Various Nerve Agents and Organophosphorus Pesticides. <i>Letters in Drug Design and Discovery</i> , 2018 , 15, 1124-1130	0.8	2
672	Synthesis, Antimicrobial Effect and Surface Properties of Hydroxymethylsubstituted Pyridinium Salts. <i>Letters in Drug Design and Discovery</i> , 2018 , 15, 828-842	0.8	3
671	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	1.8	10
670	Utilization of linearization methods for measuring of thermal properties of materials. <i>AIMS Biophysics</i> , 2018 , 5, 257-271	0.8	1
669	Concept of a Module for Physical Security of Material Secured by LIMS. <i>Lecture Notes in Computer Science</i> , 2018 , 352-363	0.9	1
668	Are Healthy Older Individuals Ready to Use Smartphones?. <i>Advanced Science Letters</i> , 2018 , 24, 2870-2872	1	1
667	Reactivation Potential of Novel More Lipophilic Pralidoxime Analogs. <i>Letters in Drug Design and Discovery</i> , 2018 , 15, 822-827	0.8	1
666	Effect of six oximes on acutely anticholinesterase inhibitor-induced oxidative stress in rat plasma and brain. <i>Archives of Toxicology</i> , 2018 , 92, 745-757	5.8	11
665	Palytoxin congeners. <i>Archives of Toxicology</i> , 2018 , 92, 143-156	5.8	17
664	Exploring assistive technology as a potential beneficial intervention tool for people with Alzheimer's disease - a systematic review. <i>Neuropsychiatric Disease and Treatment</i> , 2018 , 14, 3151-3158	3.1	14
663	Open Innovation Session as a Tool Supporting Innovativeness in Strategies for High-Tech Companies in the Czech Republic. <i>Economies</i> , 2018 , 6, 69	2	5

662	A Review on the Synthesis and Bioactivity Aspects of Beauvericin, a Mycotoxin. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1338	5.6	33
661	Insect Antimicrobial Peptides, a Mini Review. <i>Toxins</i> , 2018 , 10,	4.9	180
660	Investigation of New Orexin 2 Receptor Modulators Using and In Vitro Methods. <i>Molecules</i> , 2018 , 23,	4.8	4
659	Tetramethylenedisulfotetramine: A Health Risk Compound and a Potential Chemical Warfare Agent. <i>Toxics</i> , 2018 , 6,	4.7	9
658	Global View on Alzheimer's Disease and Diabetes Mellitus: Threats, Risks and Treatment Alzheimer's Disease and Diabetes Mellitus. <i>Current Alzheimer Research</i> , 2018 , 15, 1277-1282	3	18
657	Novel Cross-View Human Action Model Recognition Based on the Powerful View-Invariant Features Technique. <i>Future Internet</i> , 2018 , 10, 89	3.3	7
656	Comparison of Plasma and Brain Exposure Levels of Bis-pyridinium Oximes KR-22839 and KR-26256 with Asoxime and Obidoxime in Mice. <i>Bulletin of the Korean Chemical Society</i> , 2018 , 40, 5	1.2	1
655	Molecular Modeling and In Vitro Studies of a Neutral Oxime as a Potential Reactivator for Acetylcholinesterase Inhibited by Paraoxon. <i>Molecules</i> , 2018 , 23,	4.8	12
654	QSAR Study of -Myristoyltransferase Inhibitors of Antimalarial Agents. <i>Molecules</i> , 2018 , 23,	4.8	5
653	Molecular Modeling Studies on the Interactions of Aflatoxin B1 and Its Metabolites with Human Acetylcholinesterase. Part II: Interactions with the Catalytic Anionic Site (CAS). <i>Toxins</i> , 2018 , 10,	4.9	3
652	The direct costs of multiple sclerosis-study in the Czech Republic. <i>Neurological Sciences</i> , 2018 , 39, 2115-2121	3.1	1
651	Simvastatin Protects Cardiomyocytes Against Endotoxin-induced Apoptosis and Up-regulates Survivin/NF- κ B/p65 Expression. <i>Scientific Reports</i> , 2018 , 8, 14652	4.9	23
650	Rational Design of a New Class of Toll-Like Receptor 4 (TLR4) Tryptamine Related Agonists by Means of the Structure- and Ligand-Based Virtual Screening for Vaccine Adjuvant Discovery. <i>Molecules</i> , 2018 , 23,	4.8	4
649	Automatic epilepsy detection using fractal dimensions segmentation and GP-SVM classification. <i>Neuropsychiatric Disease and Treatment</i> , 2018 , 14, 2439-2449	3.1	7
648	Thin Cap Fibroatheroma Detection in Virtual Histology Images Using Geometric and Texture Features. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1632	2.6	3
647	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
646	Chemical warfare agent NOVICHOK - mini-review of available data. <i>Food and Chemical Toxicology</i> , 2018 , 121, 343-350	4.7	51
645	Dose-response modeling of reactivating potency of oximes K027 and K203 against a direct acetylcholinesterase inhibitor in rat erythrocytes. <i>Food and Chemical Toxicology</i> , 2018 , 121, 224-230	4.7	7

644	Multinutrient Intervention in the Prevention and Treatment of Dementia 2018 , 341-351		1
643	Novel Group of AChE Reactivators-Synthesis, In Vitro Reactivation and Molecular Docking Study. <i>Molecules</i> , 2018 , 23,	4.8	11
642	Breast Cancer Detection Using Infrared Thermal Imaging and a Deep Learning Model. <i>Sensors</i> , 2018 , 18,	3.8	87
641	Influence of auxochrome group in disperse dyes bearing azo groups as chromophore center in the biotransformation and molecular docking prediction by reductase enzyme: Implications and assessment for environmental toxicity of xenobiotics. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 160, 114-126	7	17
640	Vector Control and Insecticidal Resistance in the African Malaria Mosquito <i>Anopheles gambiae</i> . <i>Chemical Research in Toxicology</i> , 2018 , 31, 534-547	4	7
639	Anorectic responses to T-2 toxin, HT-2 toxin, diacetoxyscirpenol and neosolaniol correspond to plasma elevations of neurotransmitters 5-hydroxytryptamine and substance P. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 161, 451-458	7	9
638	Insights into the pharmaceuticals and mechanisms of neurological orphan diseases: Current Status and future expectations. <i>Progress in Neurobiology</i> , 2018 , 169, 135-157	10.9	5
637	Potential roles for calcium-sensing receptor (CaSR) and transient receptor potential ankyrin-1 (TRPA1) in murine anorectic response to deoxynivalenol (vomitoxin). <i>Archives of Toxicology</i> , 2017 , 91, 495-507	5.8	24
636	Mechanistic studies of new oximes reactivators of human butyryl cholinesterase inhibited by cyclosarin and sarin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 1272-1282	3.6	21
635	Optimal wavelet signal compression as an efficient alternative to investigate molecular dynamics simulations: application to thermal and solvent effects of MRI probes. <i>Theoretical Chemistry Accounts</i> , 2017 , 136, 1	1.9	29
634	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
633	Application of salutogenic concept in social work with diabetic patients. <i>Social Work in Health Care</i> , 2017 , 56, 244-259	2	3
632	Physicochemical properties and esterolytic reactivity of oxime functionalized surfactants in pH-responsive mixed micellar system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 524, 143-159	5.1	12
631	Increasing of Data Security and Workflow Optimization in Information and Management System for Laboratory. <i>Lecture Notes in Computer Science</i> , 2017 , 602-613	0.9	1
630	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	4.4	16
629	Value of NMR Parameters and DFT Calculations for Quantum Information Processing Utilizing Phosphorus Heterocycles. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 4486-4495	2.8	10
628	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	7.9	14
627	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	6.8	24

626	Fuzzy granular classifier approach for spam detection. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017 , 32, 1355-1363	1.6	8
625	Structure-Based Virtual Screening for Novel Modulators of Human Orexin 2 Receptor with Cloud Systems and Supercomputers. <i>Studies in Computational Intelligence</i> , 2017 , 161-171	0.8	1
624	Development of information and management system for laboratory based on open source licensed software with security logs extension. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017 , 32, 1497-1508	1.6	2
623	Pharmacokinetic profile of promising acetylcholinesterase reactivators K027 and K203 in experimental pigs. <i>Toxicology Letters</i> , 2017 , 273, 20-25	4.4	12
622	Fullerenol nanoparticles prevents doxorubicin-induced acute hepatotoxicity in rats. <i>Experimental and Molecular Pathology</i> , 2017 , 102, 360-369	4.4	28
621	Toward the Classical Description of Halogen Bonds: A Quantum Based Generalized Empirical Potential for Fluorine, Chlorine, and Bromine. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 2442-2451	2.8	16
620	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
619	Synthesis and evaluation of frentizole-based indolyl thiourea analogues as MAO/ABAD inhibitors for Alzheimer's disease treatment. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 1143-1152	3.4	25
618	Inhibitors of Acetylcholinesterase Derived from 7-Methoxytacrine and Their Effects on the Choline Transporter CHT1. <i>Dementia and Geriatric Cognitive Disorders</i> , 2017 , 43, 45-58	2.6	4
617	Gut satiety hormones cholecystokinin and glucagon-like Peptide-1 amide mediate anorexia induction by trichothecenes T-2 toxin, HT-2 toxin, diacetoxyscirpenol and neosolaniol. <i>Toxicology and Applied Pharmacology</i> , 2017 , 335, 49-55	4.6	11
616	Novel Series of Quaternary Ammonium Surfactants Based on 2,3-Dihydro-[1,4]dioxino[2,3-b]pyridin-7-ol Ring: Synthesis, Analysis and Antimicrobial Evaluation. <i>Letters in Organic Chemistry</i> , 2017 , 15,	0.6	1
615	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
614	Enzimas degradantes de organofosforados: Base molecular e perspectivas para biorremediação enzimática de agroquímicos. <i>Ciencia E Agrotecnologia</i> , 2017 , 41, 471-482	1.6	12
613	Bilingualism as a strategy to delay the onset of Alzheimer's disease. <i>Clinical Interventions in Aging</i> , 2017 , 12, 1731-1737	4	15
612	Potential of mobile technologies and applications in the detection of mild cognitive impairment among older generation groups. <i>Social Work in Health Care</i> , 2017 , 56, 588-599	2	7
611	Bis-isoquinolinium and bis-pyridinium acetylcholinesterase inhibitors: in vitro screening of probes for novel selective insecticides. <i>RSC Advances</i> , 2017 , 7, 39279-39291	3.7	3
610	Trichothecenes: immunomodulatory effects, mechanisms, and anti-cancer potential. <i>Archives of Toxicology</i> , 2017 , 91, 3737-3785	5.8	62
609	Comparing Structure and Dynamics of Solvation of Different Iron Oxide Phases for Enhanced Magnetic Resonance Imaging. <i>ChemistrySelect</i> , 2017 , 2, 10136-10142	1.8	11

608	Role of Peptide YY3-36 and Glucose-Dependent Insulinotropic Polypeptide in Anorexia Induction by Trichothecenes T-2 Toxin, HT-2 Toxin, Diacetoxyscirpenol, and Neosolaniol. <i>Toxicological Sciences</i> , 2017 , 159, 203-210	4.4	7
607	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
606	Towards the understanding of tetrahydroquinolines action in <i>Aedes aegypti</i> : larvicide or adulticide?. <i>Molecular Simulation</i> , 2017 , 43, 121-133	2	11
605	Multi-target-directed therapeutic potential of 7-methoxytacrine-adamantylamine heterodimers in the Alzheimer's disease treatment. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 607-619	6.9	30
604	Concentration of Donepezil in the Cerebrospinal Fluid of AD Patients: Evaluation of Dosage Sufficiency in Standard Treatment Strategy. <i>Neurotoxicity Research</i> , 2017 , 31, 162-168	4.3	17
603	Gender and geographical variability in the exposure pattern and metabolism of deoxynivalenol in humans: a review. <i>Journal of Applied Toxicology</i> , 2017 , 37, 60-70	4.1	21
602	Calcium-Sensing Receptor and Transient Receptor Ankyrin-1 Mediate Emesis Induction by Deoxynivalenol (Vomitoxin). <i>Toxicological Sciences</i> , 2017 , 155, 32-42	4.4	19
601	Exploring MIA-QSPR's for the modeling of biomagnification factors of aromatic organochlorine pollutants. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 135, 130-136	7	2
600	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
599	Activation group program for elderly diabetic patients. <i>Social Work in Health Care</i> , 2017 , 56, 13-27	2	2
598	Multitarget Tacrine Hybrids with Neuroprotective Properties to Confront Alzheimer's Disease. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 1006-1026	3	55
597	Exploring EPR Parameters of 99Tc Complexes for Designing New MRI Probes: Coordination Environment, Solvent, and Thermal Effects on the Spectroscopic Properties. <i>Journal of Chemistry</i> , 2017 , 2017, 1-8	2.3	6
596	Novel Tacrine-Scutellarin Hybrids as Multipotent Anti-Alzheimer's Agents: Design, Synthesis and Biological Evaluation. <i>Molecules</i> , 2017 , 22,	4.8	23
595	Development of 2-Methoxyhuprine as Novel Lead for Alzheimer's Disease Therapy. <i>Molecules</i> , 2017 , 22,	4.8	21
594	Can Inhibitors of Snake Venom Phospholipases A ₂ Lead to New Insights into Anti-Inflammatory Therapy in Humans? A Theoretical Study. <i>Toxins</i> , 2017 , 9,	4.9	13
593	Antioxidant agents against trichothecenes: new hints for oxidative stress treatment. <i>Oncotarget</i> , 2017 , 8, 110708-110726	3.3	38
592	Optimal Pre-treatment for Acute Exposure to the Organophosphate Dicrotophos. <i>Current Pharmaceutical Design</i> , 2017 , 23, 3432-3439	3.3	5
591	Coumarin Derivatives in Pharmacotherapy of Alzheimer's Disease. <i>Current Organic Chemistry</i> , 2017 , 21, 602-612	1.7	14

590	Vaccine Ingredients: Components that Influence Vaccine Efficacy. <i>Mini-Reviews in Medicinal Chemistry</i> , 2017 , 17, 451-466	3.2	17
589	Alzheimer's Disease and Chinese Medicine as a Useful Alternative Intervention Tool: A Mini-Review. <i>Current Alzheimer Research</i> , 2017 , 14, 680-685	3	10
588	Dancing as an Intervention Tool for People with Dementia: A Mini-Review Dancing and Dementia. <i>Current Alzheimer Research</i> , 2017 , 14, 1264-1269	3	15
587	Acetylcholinesterase Inhibitors and Drugs Acting on Muscarinic Receptors- Potential Crosstalk of Cholinergic Mechanisms During Pharmacological Treatment. <i>Current Neuropharmacology</i> , 2017 , 15, 637-653	7.6	13
586	Cystic Fibrosis Revisited - a Review Study. <i>Medicinal Chemistry</i> , 2017 , 13, 102-109	1.8	24
585	6-Benzothiazolyl Ureas, Thioureas and Guanidines are Potent Inhibitors of ABAD/17βHSD10 and Potential Drugs for Alzheimer's Disease Treatment: Design, Synthesis and in vitro Evaluation. <i>Medicinal Chemistry</i> , 2017 , 13, 345-358	1.8	11
584	HL7 - A REVIEW OF ACETYLCHOLINESTERASE REACTIVATOR AGAINST ORGANOPHOSPHOROUS INTOXICATION. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2017 , 86, 70-83	0.2	2
583	Computational enzymology for degradation of chemical warfare agents: promising technologies for remediation processes. <i>AIMS Microbiology</i> , 2017 , 3, 108-135	4.5	5
582	Computational enzymology for degradation of chemical warfare agents: promising technologies for remediation processes. <i>AIMS Microbiology</i> , 2017 , 3, 108-135	4.5	4
581	Multiregional Segmentation Modeling in Medical Ultrasonography: Extraction, Modeling and Quantification of Skin Layers and Hypertrophic Scars. <i>Lecture Notes in Computer Science</i> , 2017 , 182-192	0.9	2
580	ANN and GMDH Algorithms in QSAR Analyses of Reactivation Potency for Acetylcholinesterase Inhibited by VX Warfare Agent. <i>Lecture Notes in Computer Science</i> , 2017 , 171-181	0.9	
579	METHOD OPTIMIZATION FOR DETERMINATION OF DRUG SOLUBILITY LIMIT. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2017 , 86, 11-16	0.2	0
578	Evaluation of Research and Development in Malaysia. <i>Advanced Science Letters</i> , 2017 , 23, 2744-2747	0.1	1
577	J-pouch versus Roux-en-Y reconstruction after gastrectomy: functional assessment and quality of life (randomized trial). <i>OncoTargets and Therapy</i> , 2017 , 10, 13-19	4.4	5
576	6-benzothiazolyl ureas, thioureas and guanidines are potent inhibitors of ABAD/17βHSD10 and potential drugs for Alzheimer's disease treatment: Design, synthesis and in vitro evaluation. <i>Medicinal Chemistry</i> , 2017 ,	1.8	4
575	Development and validation of a FIA/UV-vis method for pK(a) determination of oxime based acetylcholinesterase reactivators. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 117, 240-6	3.5	27
574	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
573	Degradation of organic compounds in a fenton system based on chitosan/Fe0/Fe2O3 composites: a theoretical and experimental study. <i>Journal of the Iranian Chemical Society</i> , 2016 , 13, 377-386	2	2

572	QSAR analysis of nicotinamidic compounds and design of potential Bruton's tyrosine kinase (Btk) inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016 , 34, 1421-40	3.6	13
571	Modulation of ionizing radiation-induced effects by NU7441, KU55933 and VE821 in peripheral blood lymphocytes. <i>Journal of Applied Biomedicine</i> , 2016 , 14, 19-24	0.6	9
570	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
569	Combined experimental and theoretical study on the removal of pollutant compounds by peroxidases: affinity and reactivity toward a bioremediation catalyst. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016 , 34, 1839-48	3.6	20
568	Emetic responses to T-2 toxin, HT-2 toxin and emetine correspond to plasma elevations of peptide YY3-36 and 5-hydroxytryptamine. <i>Archives of Toxicology</i> , 2016 , 90, 997-1007	5.8	23
567	Treatment cost of narcolepsy with cataplexy in Central Europe. <i>Therapeutics and Clinical Risk Management</i> , 2016 , 12, 1709-1715	2.9	1
566	Immobilization of soybean peroxidase on silica-coated magnetic particles: a magnetically recoverable biocatalyst for pollutant removal. <i>RSC Advances</i> , 2016 , 6, 83856-83863	3.7	29
565	Epidermal Growth Factor Attenuates Delayed Ionizing Radiation-Induced Tissue Damage in Bone Marrow Transplanted Mice. <i>Radiation Research</i> , 2016 , 186, 264-74	3.1	1
564	Experimental and theoretical study on the reactivity of maghemite doped with Cu ²⁺ in oxidation reactions: structural and thermodynamic properties towards a Fenton catalyst. <i>RSC Advances</i> , 2016 , 6, 80830-80839	3.7	16
563	Is the bioconformation of 5-deoxy-5-fluoro-D-xylulose affected by intramolecular hydrogen bonds?. <i>RSC Advances</i> , 2016 , 6, 111681-111687	3.7	5
562	Synthesis, Structural Characterization, and Thermal Properties of the Poly(methylmethacrylate)/□FeOOH Hybrid Material: An Experimental and Theoretical Study. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-7	3.2	10
561	Insights into the value of statistical models and relativistic effects for the investigation of halogenated derivatives of fluorescent probes. <i>Theoretical Chemistry Accounts</i> , 2016 , 135, 1	1.9	6
560	The antioxidant, immunomodulatory, and anti-inflammatory activities of Spirulina: an overview. <i>Archives of Toxicology</i> , 2016 , 90, 1817-40	5.8	234
559	Design, synthesis and in vitro evaluation of benzothiazole-based ureas as potential ABAD/17βHSD10 modulators for Alzheimer's disease treatment. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 3675-8	2.9	17
558	Proteomic analysis of cerebrospinal fluid for relapsing-remitting multiple sclerosis and clinically isolated syndrome. <i>Biomedical Reports</i> , 2016 , 5, 35-40	1.8	11
557	Structural characterization, thermal properties, and density functional theory studies of PMMA-maghemite hybrid material. <i>Polymer Composites</i> , 2016 , 37, 51-60	3	7
556	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, 841-8	3.4	13
555	Use of cloud computing in biomedicine. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016 , 34, 2688-2697	3.6	15

554	Small Quaternary Inhibitors K298 and K524: Cholinesterases Inhibition, Absorption, Brain Distribution, and Toxicity. <i>Neurotoxicity Research</i> , 2016 , 29, 267-74	4.3	9
553	Financial and legislative aspects of drug development of orphan diseases on the European market – a systematic review. <i>Applied Economics</i> , 2016 , 48, 2562-2570	1.6	4
552	An HPLC-MS method for the quantification of new acetylcholinesterase inhibitor PC 48 (7-MEOTA-donepezil like compound) in rat plasma: Application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1020, 85-9	3.2	7
551	Novel caffeine derivatives with antiproliferative activity. <i>RSC Advances</i> , 2016 , 6, 32534-32539	3.7	9
550	Synthesis, antiproliferative activities, and computational evaluation of novel isocoumarin and 3,4-dihydroisocoumarin derivatives. <i>European Journal of Medicinal Chemistry</i> , 2016 , 111, 103-13	6.8	13
549	Speech and language impairments in dementia. <i>Journal of Applied Biomedicine</i> , 2016 , 14, 97-103	0.6	37
548	Evaluation of possible inhibition of human liver drug metabolizing cytochromes P450 by two new acetylcholinesterase oxime-type reactivators. <i>Food and Chemical Toxicology</i> , 2016 , 88, 100-4	4.7	5
547	Docking and molecular dynamics studies of peripheral site ligand-oximes as reactivators of sarin-inhibited human acetylcholinesterase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016 , 34, 2632-2642	3.6	25
546	Social and family load of Alzheimer's disease. <i>Applied Economics</i> , 2016 , 48, 1936-1948	1.6	18
545	Treatment costs of Parkinson's disease in Central Europe. <i>E A M: Ekonomik A Management</i> , 2016 , 19, 31-39	1.3	2
544	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
543	Adamantane - A Lead Structure for Drugs in Clinical Practice. <i>Current Medicinal Chemistry</i> , 2016 , 23, 3245-3266	4.3	88
542	Molecular Docking, Metal Substitution and Hydrolysis Reaction of Chiral Substrates of Phosphotriesterase. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2016 , 19, 334-44	1.3	19
541	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
540	Multi-Nutrient Dietary Intervention Approach to the Management of Alzheimer's Disease - A Mini-Review. <i>Current Alzheimer Research</i> , 2016 , 13, 1312-1318	3	11
539	Small Molecules Targeting Ataxia Telangiectasia and Rad3-Related (ATR) Kinase: An Emerging way to Enhance Existing Cancer Therapy. <i>Current Cancer Drug Targets</i> , 2016 , 16, 200-8	2.8	9
538	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
537	LEAD EXPOSURE AND ENVIRONMENTAL HEALTH. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2016 , 85, 147-163	0.2	4

536	TOXIC ALCOHOLS: ALIPHATIC UNSATURATED ALCOHOLS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2016 , 85, 171-181	0.2	2
535	CLINICAL ASPECTS OF THE POISONING BY THE PESTICIDE ENDOSULFAN. <i>Quimica Nova</i> , 2016 ,	1.6	4
534	New Perspectives on the Role of Frontier Molecular Orbitals in the Study of Chemical Reactivity: A Review. <i>Revista Virtual De Quimica</i> , 2016 , 8, 425-453	1.3	20
533	The effect of cognitive training on the subjective perception of well-being in older adults. <i>PeerJ</i> , 2016 , 4, e2785	3.1	12
532	The Importance of the Evaluation of R&D in Relation to the Competitiveness of the Czech Republic. <i>Eurasian Studies in Business and Economics</i> , 2016 , 55-67	0.2	2
531	Application of Artificial Neural Networks in Condition Based Predictive Maintenance. <i>Studies in Computational Intelligence</i> , 2016 , 75-86	0.8	9
530	A Smart Arduino Alarm Clock Using Hypnagogia Detection During Night. <i>Lecture Notes in Computer Science</i> , 2016 , 514-526	0.9	4
529	A Smart Arduino Alarm Clock Based on NREM and REM Sleep Stage Detection. <i>Lecture Notes in Computer Science</i> , 2016 , 431-442	0.9	
528	A Recent Study on Hardware Accelerated Monte Carlo Modeling of Light Propagation in Biological Tissues. <i>Lecture Notes in Computer Science</i> , 2016 , 493-502	0.9	
527	TERRORISM - DEFINITIONS NEEDED. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2016 , 85, 8-12	0.2	
526	Monooxime Bispyridinium Reactivators Bearing Xylene Linker Synthesis and In Vitro Evaluation on Model of Organophosphate-Inhibited Acetylcholinesterase. <i>Medicinal Chemistry</i> , 2016 , 12, 362-70	1.8	
525	BLOOD-FETUS PENETRATION OF PRALIDOXIME. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2016 , 85, 63-68	0.2	
524	IRRITANT COMPOUNDS: MILITARY RESPIRATORY IRRITANTS. PART II. STERNUTATORS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2016 , 85, 50-55	0.2	
523	ZIKA VIRUS - A REVIEW. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2016 , 85, 94-103	0.2	1
522	CHARACTERISTICS OF VARICELLA ZOSTER (VZV) VIRUS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2016 , 85, 164-170	0.2	
521	Assistive technologies for managing language disorders in dementia. <i>Neuropsychiatric Disease and Treatment</i> , 2016 , 12, 533-40	3.1	7
520	Prediction of population with Alzheimer's disease in the European Union using a system dynamics model. <i>Neuropsychiatric Disease and Treatment</i> , 2016 , 12, 1589-98	3.1	19
519	Current Approaches Against Alzheimer's Disease in Clinical Trials. <i>Journal of the Brazilian Chemical Society</i> , 2016 ,	1.5	10

518	The influence of methods of bariatric surgery for treatment of type 2 diabetes mellitus. <i>Therapeutics and Clinical Risk Management</i> , 2016 , 12, 599-605	2.9	5
517	Costs of inguinal hernia repair associated with using different medical devices in the Czech Republic. <i>Therapeutics and Clinical Risk Management</i> , 2016 , 12, 1593-1597	2.9	2
516	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, 1264-9	3.7	25
515	Metabolism and Disposition of Aditoprim in Swine, Broilers, Carp and Rats. <i>Scientific Reports</i> , 2016 , 6, 20370	4.9	7
514	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
513	Device Security Implementation Model based on Internet of Things for a Laboratory Environment. <i>IFAC-PapersOnLine</i> , 2016 , 49, 419-424	0.7	5
512	Towards understanding the mechanism of action of antibacterial N-alkyl-3-hydroxypyridinium salts: Biological activities, molecular modeling and QSAR studies. <i>European Journal of Medicinal Chemistry</i> , 2016 , 121, 699-711	6.8	26
511	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	2.6	20
510	Therapeutic and reactivating efficacy of oximes K027 and K203 against a direct acetylcholinesterase inhibitor. <i>NeuroToxicology</i> , 2016 , 55, 33-39	4.4	19
509	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
508	Oxime-mediated in vitro reactivation kinetic analysis of organophosphates-inhibited human and electric eel acetylcholinesterase. <i>Toxicology Mechanisms and Methods</i> , 2016 , 26, 319-26	3.6	6
507	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
506	Two-Step Mechanism of Cellular Uptake of Cationic Gold Nanoparticles Modified by (16-Mercaptohexadecyl)trimethylammonium Bromide. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2558-2574	6.3	20
505	Modeling the emetic potencies of food-borne trichothecenes by benchmark dose methodology. <i>Food and Chemical Toxicology</i> , 2016 , 94, 178-85	4.7	10
504	Probing kinetic and thermodynamic parameters as well as solvent and substituent effects on spectroscopic probes of 2-amino-1,4-naphthoquinone derivatives. <i>Computational and Theoretical Chemistry</i> , 2016 , 1096, 17-26	2	14
503	Simulations of Light Propagation and Thermal Response in Biological Tissues Accelerated by Graphics Processing Unit. <i>Lecture Notes in Computer Science</i> , 2016 , 242-251	0.9	2
502	Rational Discovery of GSK3-Beta Modulators Aided by Protein Pocket Prediction and High-Throughput Molecular Docking. <i>Lecture Notes in Computer Science</i> , 2016 , 429-439	0.9	1
501	Degradation of Organophosphate Pesticides Using Pyridinium Based Functional Surfactants. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 6962-6973	8.3	23

500	Asymmetric biocatalysis of the nerve agent VX by human serum paraoxonase 1: molecular docking and reaction mechanism calculations. <i>Medicinal Chemistry Research</i> , 2016 , 25, 2521-2533	2.2	11
499	Economics Aspects of Ageing Population. <i>Procedia Economics and Finance</i> , 2015 , 23, 534-538		23
498	The biomedical data collecting system 2015 ,		2
497	The effect of different doses of atropine on gastric myoelectrical activity in fasting experimental pigs. <i>Journal of Applied Biomedicine</i> , 2015 , 13, 273-277	0.6	1
496	Attenuation of radiation-induced gastrointestinal damage by epidermal growth factor and bone marrow transplantation in mice. <i>International Journal of Radiation Biology</i> , 2015 , 91, 703-14	2.9	9
495	Global Impact of Chemical Warfare Agents Used Before and After 1945 2015 , 17-25		2
494	Other Toxic Chemicals as Potential Chemical Warfare Agents 2015 , 337-345		3
493	Artificial Neural Networks in Biomedicine Applications. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 133-139		2
492	Evolutionary Approach of General System Theory Applied on Web Applications Analysis. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 411-422	0.2	3
491	HPC Cloud Technologies for Virtual Screening in Drug Discovery. <i>Lecture Notes in Computer Science</i> , 2015 , 440-449	0.9	10
490	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
489	Oxime functionality in surfactant self-assembly: An overview on combating toxicity of organophosphates. <i>Journal of Molecular Liquids</i> , 2015 , 208, 237-252	6	29
488	Molecular insight into the inhibition mechanism of plant and rat 4-hydroxyphenylpyruvate dioxygenase by molecular docking and DFT calculations. <i>Medicinal Chemistry Research</i> , 2015 , 24, 3958-3971	2.2	19
487	Toxic potential of palytoxin. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2015 , 35, 773-780		20
486	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
485	Variable Elimination Approaches for Data-Noise Reduction in 3D QSAR Calculations. <i>Lecture Notes in Computer Science</i> , 2015 , 313-325	0.9	2
484	Fuzzy Granular Classifier Approach for Spam Detection. <i>Lecture Notes in Computer Science</i> , 2015 , 256-264	0.9	1
483	Determining of Blood Artefacts in Endoscopic Images Using a Software Analysis. <i>Lecture Notes in Computer Science</i> , 2015 , 388-397	0.9	0

482	Development of Information and Management System for Laboratory Based on Open Source Licensed Software. <i>Lecture Notes in Computer Science</i> , 2015 , 377-387	0.9	5
481	A Recent Study on the Rough Set Theory in Multi-Criteria Decision Analysis Problems. <i>Lecture Notes in Computer Science</i> , 2015 , 265-274	0.9	2
480	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
479	Endpoint Firewall for Local Security Hardening in Academic Research Environment. <i>Lecture Notes in Computer Science</i> , 2015 , 246-255	0.9	2
478	Parallel Flexible Molecular Docking in Computational Chemistry on High Performance Computing Clusters. <i>Lecture Notes in Computer Science</i> , 2015 , 418-427	0.9	9
477	Conformational Exploration of Enflurane in Solution and in a Biological Environment. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 10735-42	2.8	7
476	Comparative determination of the efficacy of bispyridinium oximes in paraoxon poisoning. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2015 , 66, 129-34	1.7	17
475	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
474	Molecular modeling and in vitro reactivation study between the oxime BI-6 and acetylcholinesterase inhibited by different nerve agents. <i>Journal of Biomolecular Structure and Dynamics</i> , 2015 , 33, 2048-58	3.6	30
473	Molecular modeling toward selective inhibitors of dihydrofolate reductase from the biological warfare agent Bacillus anthracis. <i>European Journal of Medicinal Chemistry</i> , 2015 , 91, 63-71	6.8	8
472	Quantum chemical topological analysis of hydrogen bonding in HX ₂ X and CH ₃ X ₂ X dimers (X = Br, Cl, F). <i>Molecular Simulation</i> , 2015 , 41, 600-609	2	7
471	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
470	Acute toxicity of some nerve agents and pesticides in rats. <i>Drug and Chemical Toxicology</i> , 2015 , 38, 32-6	2.3	35
469	Reactivation kinetics of 31 structurally different bispyridinium oximes with organophosphate-inhibited human butyrylcholinesterase. <i>Archives of Toxicology</i> , 2015 , 89, 405-14	5.8	22
468	Innovation Vouchers as a Segment of Regional Innovation Strategy. <i>Procedia Economics and Finance</i> , 2015 , 26, 842-848		5
467	Cooperation Policy of Rare Diseases in the European Union. <i>Procedia, Social and Behavioral Sciences</i> , 2015 , 171, 1302-1308		4
466	Excited-State Proton Transfer Can Tune the Color of Protein Fluorescent Markers. <i>ChemPhysChem</i> , 2015 , 16, 3444-9	3.2	17
465	Preparation of 7-Methoxy Tacrine Dimer Analogs and Their In vitro/In silico Evaluation as Potential Cholinesterase Inhibitors. <i>Bulletin of the Korean Chemical Society</i> , 2015 , 36, 1654-1660	1.2	9

464	Fe-DPA as Catalyst for Oxidation of Organic Contaminants: Evidence of Homogeneous Fenton Process. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 780-785	1.3	5
463	Alzheimer's disease and its treatment costs: case study in the Czech Republic. <i>Neuropsychiatric Disease and Treatment</i> , 2015 , 11, 2349-54	3.1	23
462	Alzheimer's disease and language impairments: social intervention and medical treatment. <i>Clinical Interventions in Aging</i> , 2015 , 10, 1401-7	4	67
461	Novel Cholinesterase Reactivators 2015 , 1071-1087		3
460	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
459	Synthesis and disinfection effect of the pyridine-4-aldoxime based salts. <i>Molecules</i> , 2015 , 20, 3681-96	4.8	17
458	7-Methoxytacrine-p-Anisidine Hybrids as Novel Dual Binding Site Acetylcholinesterase Inhibitors for Alzheimer's Disease Treatment. <i>Molecules</i> , 2015 , 20, 22084-101	4.8	30
457	Anti-NMDA receptor antibodies in patients with a first episode of schizophrenia. <i>Neuropsychiatric Disease and Treatment</i> , 2015 , 11, 619-23	3.1	25
456	The potential of medical device industry in technological and economical context. <i>Therapeutics and Clinical Risk Management</i> , 2015 , 11, 1505-14	2.9	19
455	Cholinergic properties of new 7-methoxytacrine-donepezil derivatives. <i>General Physiology and Biophysics</i> , 2015 , 34, 189-200	2.1	16
454	Pharmacological Prophylaxis Against Nerve Agent Poisoning 2015 , 979-987		2
453	Probing thermal and solvent effects on hyperfine interactions and spin relaxation rate of $[FeOOH(1\ 0\ 0)]$ and $[MnH_3buea(OH)]_2$ Toward new MRI probes. <i>Computational and Theoretical Chemistry</i> , 2015 , 1069, 96-104	2	16
452	Ligand-based 3D QSAR analysis of reactivation potency of mono- and bis-pyridinium aldoximes toward VX-inhibited rat acetylcholinesterase. <i>Journal of Molecular Graphics and Modelling</i> , 2015 , 56, 113-29	2.8	16
451	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	2.2	23
450	Reversible cholinesterase inhibitors as pre-treatment for exposure to organophosphates: assessment using azinphos-methyl. <i>Journal of Applied Toxicology</i> , 2015 , 35, 493-9	4.1	8
449	Design of inhibitors of thymidylate kinase from Variola virus as new selective drugs against smallpox. <i>European Journal of Medicinal Chemistry</i> , 2015 , 91, 72-90	6.8	9
448	Comparison of Anorectic Potencies of the Trichothecenes T-2 Toxin, HT-2 Toxin and Satratoxin G to the Ipecac Alkaloid Emetine. <i>Toxicology Reports</i> , 2015 , 2, 238-251	4.8	24
447	Benzothiazoles - scaffold of interest for CNS targeted drugs. <i>Current Medicinal Chemistry</i> , 2015 , 22, 730-47	4.7	21

446	A Direct Interaction Between Mitochondrial Proteins and Amyloid- β Peptide and its Significance for the Progression and Treatment of Alzheimer's Disease. <i>Current Medicinal Chemistry</i> , 2015 , 22, 1056 - 1085	4.3	29
445	Structural Properties of Potential Synthetic Vaccine Adjuvants - TLR Agonists. <i>Current Medicinal Chemistry</i> , 2015 , 22, 3306-25	4.3	8
444	A Review of the Total Synthesis of (+)-Lactacystin and its Analogs. <i>Current Organic Chemistry</i> , 2015 , 19, 1980-2001	1.7	4
443	Socio-economic Aspects of Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2015 , 12, 903-11	3	96
442	Universality of Oxime K203 for Reactivation of Nerve Agent-Inhibited AChE. <i>Medicinal Chemistry</i> , 2015 , 11, 683-6	1.8	6
441	ACID DISSOCIATION CONSTANTS AND MOLECULAR DESCRIPTORS OF SOME XYLENE LINKED BISPYRIDINIUM OXIMES. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2015 , 84, 94-103	0.2	1
440	IRRITANT COMPOUNDS: MILITARY RESPIRATORY IRRITANTS. PART I. LACRIMATORS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2015 , 84, 128-139	0.2	2
439	Principles of Usability in Human-Computer Interaction Driven by an Evaluation Framework of User Actions. <i>Lecture Notes in Computer Science</i> , 2015 , 51-62	0.9	5
438	BUBONIC PLAGUE: HISTORICAL ASPECTS AND THERAPY. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2015 , 84, 67-75	0.2	1
437	ANALYSIS OF TERRORIST ATTACKS IN EUROPEAN COUNTRIES - INJURIES, CASUALTIES AND WEAPONS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2015 , 84, 50-56	0.2	0
436	COMMUNICATION DISORDERS OF ACTIVE MILITARY PERSONNEL WITH TRAUMATIC BRAIN INJURY - A REVIEW STUDY. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2015 , 84, 170-176	0.2	
435	EBOLA OUTBREAK IN WEST AFRICA. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2015 , 84, 177-181	0.2	
434	SELECTED VIRAL HEMORRHAGIC FEVERS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2015 , 84, 152-165	0.2	
433	Alzheimers disease: cost cuts call for novel drugs development and national strategy. <i>Ceska A Slovenska Farmacie</i> , 2015 , 64, 25-30	1	11
432	Legislative aspects of the development of medical devices. <i>Ceska A Slovenska Farmacie</i> , 2015 , 64, 133-8	1	2
431	Impact of tacrine and 7-methoxytacrine on gastric myoelectrical activity assessed using electrogastrography in experimental pigs. <i>Neuroendocrinology Letters</i> , 2015 , 36 Suppl 1, 150-5	0.3	1
430	Retention behavior of pyridinium oximes on PFP stationary phase in high-performance liquid chromatography. <i>Journal of Chromatographic Science</i> , 2014 , 52, 246-51	1.4	9
429	In vitro reactivation kinetics of paraoxon- and DFP-inhibited electric eel AChE using mono- and bis-pyridinium oximes. <i>Archives of Toxicology</i> , 2014 , 88, 381-90	5.8	18

428	Prophylactic administration of non-organophosphate cholinesterase inhibitors before acute exposure to organophosphates: assessment using terbufos sulfone. <i>Journal of Applied Toxicology</i> , 2014 , 34, 1096-103	4.1	15
427	In vivo evaluation of cholinesterase activity, oxidative stress markers, cyto- and genotoxicity of K048 oxime promising antidote against organophosphate poisoning. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2014 , 114, 344-51	3.1	10
426	Entry of oxime K027 into the different parts of rat brain: Comparison with obidoxime and oxime HI-6. <i>Journal of Applied Biomedicine</i> , 2014 , 12, 25-29	0.6	6
425	Structural, electronic and optical properties of Fe(III) complex with pyridine-2,6-dicarboxylic acid: A combined experimental and theoretical study. <i>Inorganica Chimica Acta</i> , 2014 , 416, 200-206	2.7	16
424	⁹⁹ Tc NMR as a promising technique for structural investigation of biomolecules: theoretical studies on the solvent and thermal effects of phenylbenzothiazole complex. <i>Magnetic Resonance in Chemistry</i> , 2014 , 52, 129-37	2.1	18
423	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
422	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
421	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
420	Structural modifications of dicationic acetylcholinesterase reactivators studied under ion-pairing mechanism in reversed-phase liquid chromatography. <i>Journal of Separation Science</i> , 2014 , 37, 3024-32	3.4	3
419	6-Hydroxyquinolinium salts differing in the length of alkyl side-chain: synthesis and antimicrobial activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 5238-41	2.9	24
418	Metabolism of aflatoxins: key enzymes and interindividual as well as interspecies differences. <i>Archives of Toxicology</i> , 2014 , 88, 1635-44	5.8	136
417	Novel tacrine/acridine anticholinesterase inhibitors with piperazine and thiourea linkers. <i>International Journal of Biological Macromolecules</i> , 2014 , 70, 435-9	7.9	31
416	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
415	Assessment of antidotal efficacy of cholinesterase reactivators against paraoxon: In vitro reactivation kinetics and physicochemical properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 4743-4748	2.9	15
414	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
413	Interaction of cholinesterase modulators with DNA and their cytotoxic activity. <i>International Journal of Biological Macromolecules</i> , 2014 , 64, 53-62	7.9	6
412	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
411	Military potential of biological toxins. <i>Journal of Applied Biomedicine</i> , 2014 , 12, 63-77	0.6	15

410	Comparison of the neuroprotective effects of a novel bispyridinium oxime KR-22934 with the oxime K203 and obidoxime in tabun-poisoned male rats. <i>Journal of Applied Biomedicine</i> , 2014 , 12, 111-117	0.6	6
409	Hydrophobic noncovalent interactions of inosine-phenylalanine: a theoretical model for investigating the molecular recognition of nucleobases. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 5808-17	2.8	12
408	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
407	Role of tumor necrosis factor- α and interleukin-1 β in anorexia induction following oral exposure to the trichothecene deoxynivalenol (vomitoxin) in the mouse. <i>Journal of Toxicological Sciences</i> , 2014 , 39, 875-86	1.9	19
406	2014 ,		1
405	The system of instant access to the life biomedical data 2014 ,		2
404	Deoxynivalenol: signaling pathways and human exposure risk assessment--an update. <i>Archives of Toxicology</i> , 2014 , 88, 1915-28	5.8	64
403	Application of 4D-QSAR studies to a series of benzothiofene analogs. <i>Journal of Molecular Modeling</i> , 2014 , 20, 2420	2	6
402	A new concept in the separation of polyethyleneglycol-modified PAMAM dendrons by liquid chromatography. <i>Journal of Chromatographic Science</i> , 2014 , 52, 321-8	1.4	2
401	Evaluation of the antioxidant activity of several naturally occurring coumarins and their synthesized analogues by "ferric reducing antioxidant power" assay. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014 , 29, 49-54	5.6	9
400	Tannins and their Influence on Health 2014 , 159-208		13
399	Pharmacotherapy of Alzheimer's Disease: Current State and Future Perspectives 2014 , 3-39		2
398	Inhibitory effects of deoxynivalenol on gastric secretion in rats. <i>Journal of Food Protection</i> , 2014 , 77, 1367-71	2.5	2
397	In vitro functional interactions of acetylcholine esterase inhibitors and muscarinic receptor antagonists in the urinary bladder of the rat. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014 , 41, 139-46	3	4
396	Imaging and Evaluating Method as Part of Endoscopical Diagnostic Approaches. <i>Lecture Notes in Computer Science</i> , 2014 , 605-614	0.9	2
395	Trithiocyanurate complexes of iron, manganese and nickel and their anticholinesterase activity. <i>Molecules</i> , 2014 , 19, 4338-54	4.8	7
394	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
393	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

392	Computational evidence for the reactivation process of human acetylcholinesterase inhibited by carbamates. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2014 , 17, 554-64	1.3	9
391	From pyridinium-based to centrally active acetylcholinesterase reactivators. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014 , 14, 215-21	3.2	39
390	The development of ataxia telangiectasia mutated kinase inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014 , 14, 1-1	3.2	13
389	Preparation, in vitro screening and molecular modelling of monoquaternary compounds related to the selective acetylcholinesterase inhibitor BW284c51. <i>Medicinal Chemistry</i> , 2014 , 11, 21-9	1.8	4
388	IRRITANT COMPOUNDS: RESPIRATORY IRRITANT GASES. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2014 , 83, 73-82	0.2	5
387	PORTER'S FIVE FORCES ON MEDICAL DEVICE INDUSTRY IN EUROPE. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2014 , 83, 134-144	0.2	2
386	IRRITANT COMPOUNDS: ALDEHYDES. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2014 , 83, 151-164	0.2	4
385	Chemical Warfare: Perspectives on Reactivating the Enzyme Acetylcholinesterase Inhibited by Organophosphates. <i>Revista Virtual De Quimica</i> , 2014 , 6,	1.3	2
384	BENEFITS OF CLOUD COMPUTING IN BIOMEDICINE. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2014 , 83, 59-66	0.2	
383	CHEMICAL WARFARE: PERSPECTIVES ON REACTIVATING THE ENZYME ACETYLCHOLINESTERASE INHIBITED BY ORGANOPHOSPHATES. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2014 , 83, 165-177	0.2	
382	The development of ataxia telangiectasia mutated kinase inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014 , 14, 805-11	3.2	7
381	Pharmacokinetic study of two acetylcholinesterase reactivators, trimedoxime and newly synthesized oxime K027, in rat plasma. <i>Journal of Applied Toxicology</i> , 2013 , 33, 18-23	4.1	22
380	Usefulness of administration of non-organophosphate cholinesterase inhibitors before acute exposure to organophosphates: assessment using paraoxon. <i>Journal of Applied Toxicology</i> , 2013 , 33, 894-900	4.1	20
379	Novel cholinesterase modulators and their ability to interact with DNA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 115, 364-9	4.4	2
378	Preparation, in vitro evaluation and molecular modelling of pyridinium-quinolinium/isoquinolinium non-symmetrical bisquaternary cholinesterase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 6663-6	2.9	9
377	Hyaluronidase: its effects on HI-6 dichloride and dimethanesulphonate pharmacokinetic profile in pigs. <i>Toxicology Letters</i> , 2013 , 220, 167-71	4.4	6
376	Time-dependent changes of oxime K027 concentrations in different parts of rat central nervous system. <i>Neurotoxicity Research</i> , 2013 , 23, 63-8	4.3	18
375	Thermodynamic framework of hydrophobic/electrostatic interactions. <i>Journal of Biomolecular Structure and Dynamics</i> , 2013 , 31, 995-1000	3.6	7

374	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
373	Physicochemical properties and supernucleophilicity of oxime-functionalized surfactants: hydrolytic catalysts toward dephosphorylation of di- and triphosphate esters. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 3806-17	3.4	31
372	Construction and assessment of reaction models between F ₁ F ₁ synthase and organotin compounds: molecular docking and quantum calculations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2013 , 31, 1175-81	3.6	5
371	Oximes: inhibitors of human recombinant acetylcholinesterase. A structure-activity relationship (SAR) study. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 16882-900	6.3	28
370	Molecular Modeling Studies of Piperidine Derivatives as New Acetylcholinesterase Inhibitors against Neurodegenerative Diseases. <i>Journal of Chemistry</i> , 2013 , 2013, 1-7	2.3	5
369	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
368	Percutaneous toxicity and decontamination of soman, VX, and paraoxon in rats using detergents. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2013 , 64, 25-31	1.7	5
367	Acetylcholinesterase reactivators (HI-6, obidoxime, trimedoxime, K027, K075, K127, K203, K282): structural evaluation of human serum albumin binding and absorption kinetics. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 16076-86	6.3	10
366	LC-MS/MS approaches for the assay of bis-quaternary pyridinium oximes used as AChE reactivators in biological matrices. <i>Bioanalysis</i> , 2013 , 5, 793-809	2.1	7
365	In silico pharmacophore modeling on known pyridinium oxime reactivators of cyclosarin (GF) inhibited AChE to Aid discovery of potential, more efficacious novel non-oxime reactivators. <i>Current Computer-Aided Drug Design</i> , 2013 , 9, 402-11	1.4	
364	Peptide YY3-36 and 5-hydroxytryptamine mediate emesis induction by trichothecene deoxynivalenol (vomitoxin). <i>Toxicological Sciences</i> , 2013 , 133, 186-95	4.4	42
363	A comparison of decontamination effects of commercially available detergents in rats pre-exposed to topical sulphur mustard. <i>Cutaneous and Ocular Toxicology</i> , 2013 , 32, 135-9	1.8	5
362	Alkaloids from <i>Chlidanthus fragrans</i> and their Acetylcholinesterase, Butyrylcholinesterase and Prolyl Oligopeptidase Activities. <i>Natural Product Communications</i> , 2013 , 8, 1934578X1300801	0.9	8
361	Comparison of Novel Tacrine and 7-MEOTA Derivatives with Aromatic and Alicyclic Residues: Synthesis, Biological Evaluation and Docking Studies. <i>Letters in Organic Chemistry</i> , 2013 , 10, 291-297	0.6	3
360	Trichothecenes: structure-toxic activity relationships. <i>Current Drug Metabolism</i> , 2013 , 14, 641-60	3.5	77
359	Resorcylic acid lactones as the protein kinase inhibitors, naturally occurring toxins. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013 , 13, 1873-8	3.2	24
358	Prophylaxis and post-exposure treatment of intoxications caused by nerve agents and organophosphorus pesticides. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013 , 13, 2102-15	3.2	20
357	A resurrection of 7-MEOTA: a comparison with tacrine. <i>Current Alzheimer Research</i> , 2013 , 10, 893-906	3	76

356	Structure-activity relationship for the reactivators of acetylcholinesterase inhibited by nerve agent VX. <i>Medicinal Chemistry</i> , 2013 , 9, 689-93	1.8	3
355	TOXIC POTENTIAL OF SUPERWARFARIN: BRODIFACOUM. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2013 , 82, 32-38	0.2	12
354	SCREENING OF BLOOD-BRAIN BARRIER PENETRATION USING THE IMMOBILIZED ARTIFICIAL MEMBRANE PHOSPHATIDYLCHOLINE COLUMN CHROMATOGRAPHY AT THE PHYSIOLOGICAL PH. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2013 , 82, 55-62	0.2	1
353	BIOLOGICALLY ACTIVE ALCOHOLS: CYCLIC ALCOHOLS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2013 , 82, 162-171	0.2	2
352	SELECTIVE MONITORING OF ENZYMIC ACTIVITY OF ACETYLCHOLINESTERASE BY FLOW INJECTION ANALYSIS WITH MASS SPECTROMETRIC DETECTION. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2013 , 82, 120-125	0.2	
351	Intravenous application of HI-6 salts (dichloride and dimethansulphonate) in pigs: comparison with pharmacokinetics profile after intramuscular administration. <i>Neuroendocrinology Letters</i> , 2013 , 34 Suppl 2, 74-8	0.3	
350	Impact of paraoxon followed by acetylcholinesterase reactivator HI-6 on gastric myoelectric activity in experimental pigs. <i>Neuroendocrinology Letters</i> , 2013 , 34 Suppl 2, 79-83	0.3	3
349	Alkaloids from <i>Chlidanthus fragrans</i> and their acetylcholinesterase, butyrylcholinesterase and prolyl oligopeptidase activities. <i>Natural Product Communications</i> , 2013 , 8, 1541-4	0.9	18
348	In vitro skin permeation and decontamination of the organophosphorus pesticide paraoxon under various physical conditions--evidence for a wash-in effect. <i>Toxicology Mechanisms and Methods</i> , 2012 , 22, 520-5	3.6	26
347	Molecular modeling studies on nucleoside hydrolase from the biological warfare agent <i>Brucella suis</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2012 , 30, 125-36	3.6	5
346	In vivo decontamination of the nerve agent VX using the domestic swine model. <i>Clinical Toxicology</i> , 2012 , 50, 807-11	2.9	12
345	Planar Ni(II) 1,2-dithiolenes involving tridentate P -donor ligands. <i>Journal of Coordination Chemistry</i> , 2012 , 65, 156-164	1.6	
344	First principles calculations of thermodynamics and kinetic parameters and molecular dynamics simulations of acetylcholinesterase reactivators: can mouse data provide new insights into humans?. <i>Journal of Biomolecular Structure and Dynamics</i> , 2012 , 30, 546-58	3.6	16
343	The progress in the cholinesterase quantification methods. <i>Expert Opinion on Drug Discovery</i> , 2012 , 7, 1207-23	6.2	38
342	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
341	Activation of p38 MAPK and expression of TGF- β in rat colon enterocytes after whole body Irradiation. <i>International Journal of Radiation Biology</i> , 2012 , 88, 348-58	2.9	15
340	Synthesis, design and biological evaluation of novel highly potent tacrine congeners for the treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2012 , 55, 23-31	6.8	25
339	Soman and VX: different effect on cellular signalling. <i>Journal of Applied Biomedicine</i> , 2012 , 10, 51-61	0.6	3

338	Rational design of small modified peptides as ACE inhibitors. <i>MedChemComm</i> , 2012 , 3, 1290	5	9
337	Pharmacokinetics of acetylcholinesterase reactivator K203 and consequent evaluation of low molecular weight antioxidants/markers of oxidative stress. <i>Journal of Applied Biomedicine</i> , 2012 , 10, 71-78	0.6	11
336	Preparation of quinolinium salts differing in the length of the alkyl side chain. <i>Molecules</i> , 2012 , 17, 6386-6394	2.4	6
335	Comparative studies on reaction of bis(p-nitrophenyl) phosphate and nucleophiles in cationic micellar media. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 864-871	2.1	13
334	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
333	Reactivation kinetics of a homologous series of bispyridinium bis-oximes with nerve agent-inhibited human acetylcholinesterase. <i>Archives of Toxicology</i> , 2012 , 86, 1379-86	5.8	28
332	Acetylcholinesterase based assay of eleven organophosphorus pesticides: finding of assay limitations. <i>International Journal of Environmental Analytical Chemistry</i> , 2012 , 92, 125-132	1.8	7
331	Molecular modeling of the <i>Toxoplasma gondii</i> adenosine kinase inhibitors. <i>Medicinal Chemistry Research</i> , 2012 , 21, 590-600	2.2	20
330	Adsorption of Aromatic Compounds Under Magnetic Field Influence. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 3545-3551	2.6	16
329	Effects of Oxime K203 and Oxidative Stress in Plasma of Tabun Poisoned Rats. <i>Croatica Chemica Acta</i> , 2012 , 85, 193-199	0.8	6
328	SAR Study on Reactivators of Ethyl-Paraoxon Inhibited Acetylcholinesterase. <i>Letters in Drug Design and Discovery</i> , 2012 , 9, 587-594	0.8	1
327	An in silico stereo-electronic comparison of conventional pyridinium oximes and K-oximes for organophosphate (OP) poisoning. <i>Medicinal Chemistry</i> , 2012 , 8, 230-45	1.8	3
326	Acetylcholinesterase inhibitors as pretreatment before acute exposure to organophosphates: assessment using methyl-paraoxon. <i>CNS and Neurological Disorders - Drug Targets</i> , 2012 , 11, 1052-60	2.6	17
325	GYROMITRIN, MUSHROOM TOXIN OF GYROMITRA SPP.. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2012 , 81, 61-67	0.2	5
324	EFFECT OF SOMAN ON JNK AND P38 MITOGEN ACTIVATED PROTEIN KINASE (MAPK) PATHWAYS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2012 , 81, 68-75	0.2	1
323	SYNTHESIS OF THE ISOQUINOLINIUM SALTS DIFFERING IN THE LENGTH OF THE SIDE ALKYLATING CHAIN. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2012 , 81, 76-81	0.2	5
322	IN VITRO SKIN PERMEATION OF DETERGENTS AND DETERGENT-BASED DECONTAMINATION MIXTURE. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2012 , 81, 96-99	0.2	4
321	TOXIC ALCOHOLS: ALIPHATIC SATURATED ALCOHOLS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2012 , 81, 142-163	0.2	9

320	ACUTE TOXICITY OF SURFACTANTS AND DETERGENT-BASED DECONTAMINANTS IN MICE AND RATS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2012 , 81, 171-176	0.2	7
319	New synthetic cannabinoids are coming to the drug scene. <i>Kontakt</i> , 2012 , 14, 369-377	0.3	1
318	EFFECT OF ACETYL-L-CARNITINE PRETREATMENT ON RADIATION PNEUMONITIS AND L-ARGININE-NO METABOLIC PATHWAY. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2012 , 81, 119-128	0.2	
317	Incidental poisoning of animals by carbamates in the Czech Republic. <i>Journal of Applied Biomedicine</i> , 2011 , 9, 157-161	0.6	20
316	Square wave voltammetry on screen printed electrodes: comparison to ferric reducing antioxidant power in plasma from model laboratory animal (Grey Partridge) and comparison to standard antioxidants. <i>Journal of Applied Biomedicine</i> , 2011 , 9, 103-109	0.6	11
315	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
314	A comparison of reactivating and therapeutic efficacy of bispyridinium acetylcholinesterase reactivator KR-22934 with the oxime K203 and commonly used oximes (obidoxime, trimeodoxime, HI-6) in tabun-poisoned rats and mice. <i>Toxicology Mechanisms and Methods</i> , 2011 , 21, 241-5	3.6	2
313	Thermal and solvent effects on NMR indirect spin-spin coupling constants of a prototypical Chagas disease drug. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 13504-12	2.8	15
312	Asoxime (HI-6) impact on dogs after one and tenfold therapeutic doses: assessment of adverse effects, distribution, and oxidative stress. <i>Environmental Toxicology and Pharmacology</i> , 2011 , 32, 75-81	5.8	7
311	Characterization of deoxynivalenol-induced anorexia using mouse bioassay. <i>Food and Chemical Toxicology</i> , 2011 , 49, 1863-9	4.7	43
310	Effects of K074 and pralidoxime on antioxidant and acetylcholinesterase response in malathion-poisoned mice. <i>NeuroToxicology</i> , 2011 , 32, 888-95	4.4	19
309	In vitro effects of acetylcholinesterase reactivators on monoamine oxidase activity. <i>Toxicology Letters</i> , 2011 , 201, 176-80	4.4	9
308	TLC analysis of twelve different salts of oxime HI-6 [Reactivator of nerve agent inhibited AChE. <i>Journal of Planar Chromatography - Modern TLC</i> , 2011 , 24, 105-107	0.9	
307	Current Study on the Development of Bis-pyridinium Oxime Reactivators for the Antidotal Treatment of Poisoning by Toxic Organophosphorus Agents. <i>Current Organic Chemistry</i> , 2011 , 15, 433-444	1.7	4
306	AN IMMUNOARRAY FOR THE SIMULTANEOUS DETECTION OF TWO MYCOTOXINS, OCHRATOXIN A AND FUMONISIN B1. <i>Journal of Food Safety</i> , 2011 , 31, 408-416	2	12
305	Synthesis and in vitro evaluation of 7-methoxy-N-(pent-4-enyl)-1,2,3,4-tetrahydroacridin-9-amine-new tacrine derivate with cholinergic properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 6563-6	2.9	21
304	Photocatalytic Degradation of Organic Compound in Water using Synthetic Niobia: Experimental and Theoretical Studies. <i>Topics in Catalysis</i> , 2011 , 54, 270-276	2.3	16
303	Analysis of Bacillus anthracis nucleoside hydrolase via in silico docking with inhibitors and molecular dynamics simulation. <i>Journal of Molecular Modeling</i> , 2011 , 17, 2939-51	2	24

302	Hydrolysis of carboxylate and phosphate esters using monopyridinium oximes in cationic micellar media. <i>International Journal of Chemical Kinetics</i> , 2011 , 43, 569-578	1.4	10
301	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
300	1hJFH 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
299	Pretreatment for acute exposure to diisopropylfluorophosphate: in vivo efficacy of various acetylcholinesterase inhibitors. <i>Journal of Applied Toxicology</i> , 2011 , 31, 515-23	4.1	24
298	Changes of rat plasma total low molecular weight antioxidant level after tabun exposure and consequent treatment by acetylcholinesterase reactivators. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011 , 26, 93-7	5.6	7
297	Voltammetric Biosensor Based on Acetylcholinesterase and Different Immobilization Protocols: A Simple Tool for Toxic Organophosphate Assay. <i>Analytical Letters</i> , 2011 , 44, 1254-1264	2.2	4
296	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 <i>Bacillus anthracis</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2011 , 28, 455-69	3.6	36
295	Molecular modeling of <i>Mycobacterium tuberculosis</i> dUTpase: docking and catalytic mechanism studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2011 , 28, 907-17	3.6	21
294	Docking studies and effects of syn-anti isomery of oximes derived from pyridine imidazol bicycled systems as potential human acetylcholinesterase reactivators. <i>Journal of Applied Biomedicine</i> , 2011 , 9, 163-171	0.6	21
293	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
292	Preparation, in vitro screening and molecular modelling of symmetrical 4-tert-butylpyridinium cholinesterase inhibitors--analogues of SAD-128. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 150-4	2.9	16
291	Preparation, in vitro screening and molecular modelling of symmetrical bis-quinolinium cholinesterase inhibitors--implications for early myasthenia gravis treatment. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 2505-9	2.9	29
290	Preparation and in vitro screening of symmetrical bis-isoquinolinium cholinesterase inhibitors bearing various connecting linkage--implications for early Myasthenia gravis treatment. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 811-8	6.8	27
289	Topology and dynamics of the interaction between 5-nitroimidazole radiosensitizers and duplex DNA studied by a combination of docking, molecular dynamic simulations and NMR spectroscopy. <i>Journal of Molecular Structure</i> , 2011 , 992, 65-71	3.4	13
288	Partition of bispyridinium oximes (trimedoxime and K074) administered in therapeutic doses into different parts of the rat brain. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 54, 1082-7	3.5	21
287	Metabolic pathways of ochratoxin A. <i>Current Drug Metabolism</i> , 2011 , 12, 1-10	3.5	86
286	The preparation, in vitro screening and molecular docking of symmetrical bisquaternary cholinesterase inhibitors containing a but-(2E)-en-1,4-diyl connecting linkage. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011 , 26, 245-53	5.6	9
285	Thermodynamic framework of the interaction between protein and solvent drives protein folding. <i>Journal of Biomolecular Structure and Dynamics</i> , 2011 , 28, 645-6; discussion 669-674	3.6	11

284	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, 2077-87	6.3	18
283	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
282	Molecular aspects of the reactivation process of acetylcholinesterase inhibited by cyclosarin. <i>Journal of the Brazilian Chemical Society</i> , 2011 ,	1.5	7
281	PHOSGENE OXIME - FORGOTTEN CHEMICAL WEAPON. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2011 , 80, 38-41	0.2	5
280	METHOD OF STATIC DIFFUSION CELLS FOR ASSESSMENT OF PESTICIDES SKIN PERMEATION. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2011 , 80, 46-51	0.2	6
279	PELARGONIC ACID VANILYLLAMIDE (PAVA): RIOT CONTROL AGENT. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2011 , 80, 72-79	0.2	1
278	ON THE UNIVERSALITY OF OXIME HLE7 - ANTIDOTE FOR CASE OF THE NERVE AGENT POISONING. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2011 , 80, 80-84	0.2	2
277	ANATOXIN-A(S): NATURAL ORGANOPHOSPHORUS ANTICHOLINESTERASE AGENT. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2011 , 80, 129-139	0.2	28
276	OXIMES AS INHIBITORS OF ACETYLHOLINESTERASE - A STRUCTURE-ACTIVITY RELATIONSHIP (SAR) STUDY. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2011 , 80, 178-186	0.2	2
275	METHOD OPTIMIZATION FOR ACETYLCHOLINESTERASE MODULATORS-ALBUMIN INTERACTIONS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2011 , 80, 58-64	0.2	
274	HUMAN SERUM BUTYRYLCHOLINESTERASE AS A PROPHYLAXIS AGAINST RUSSIAN VX. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2011 , 80, 97-102	0.2	
273	In vitro effects of acetylcholinesterase inhibitors and reactivators on Complex I of electron transport chain. <i>Neuroendocrinology Letters</i> , 2011 , 32, 259-63	0.3	6
272	In vitro reactivating effects of standard and newly developed oximes on malaoxon-inhibited mouse brain acetylcholinesterase. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010 , 107, 768-73	3.1	5
271	A comparison of neuroprotective efficacy of the oxime K203 and its fluorinated analogue (KR-22836) with obidoxime in Tabun-poisoned rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010 , 107, 861-7	3.1	5
270	New Bisquaternary Isoquinolinium Inhibitors of Brain Cholinesterases - Synthesis and Anticholinesterase Activity. <i>Letters in Drug Design and Discovery</i> , 2010 , 7, 1-4	0.8	
269	Novel acetylcholinesterase reactivator--oxime K048--reactivation activity in vitro. <i>Medicinal Chemistry</i> , 2010 , 6, 1-5	1.8	4
268	New approaches to the development of anti-protozoan drug candidates: a review of patents. <i>Journal of the Brazilian Chemical Society</i> , 2010 , 21, 1787-1806	1.5	22
267	Modulation of Tularemia Disease Progress by the Bisquaternary Pyridinium Oxime HI-6. <i>Acta Veterinaria Brno</i> , 2010 , 79, 443-448	0.8	3

266	High-performance liquid chromatography analysis of by-products and intermediates arising during the synthesis of the acetylcholinesterase reactivator HI-6. <i>Journal of Chromatographic Science</i> , 2010 , 48, 694-6	1.4	9
265	In vivo experimental approach to treatment against tabun poisoning. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010 , 25, 531-6	5.6	9
264	A comparison of reactivating and therapeutic efficacy of the oxime K203 and its fluorinated analog (KR-22836) with currently available oximes (obidoxime, trimedoxime, HI-6) against tabun in rats and mice. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010 , 25, 480-4	5.6	10
263	Determination of fumonisins in milled corn grains using HPLC-MS. <i>Journal of Chromatographic Science</i> , 2010 , 48, 680-4	1.4	6
262	A comparison of the ability of newly-developed bispyridinium oxime K203 and currently available oximes (trimedoxime, obidoxime, HI-6) to counteract the acute neurotoxicity of soman in rats. <i>Toxicology Mechanisms and Methods</i> , 2010 , 20, 445-51	3.6	4
261	Characterization of the anticholinergic properties of obidoxime; functional examinations of the rat atria and the urinary bladder. <i>Toxicology Mechanisms and Methods</i> , 2010 , 20, 428-33	3.6	8
260	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, 2856-63	6.3	11
259	The pH and mobile phase composition effects ochratoxin A fluorescence at liquid chromatography. <i>Journal of Chromatographic Science</i> , 2010 , 48, 766-70	1.4	13
258	Cholinesterase Reactivators as Prophylactics Against Nerve Agents. <i>Current Bioactive Compounds</i> , 2010 , 6, 2-8	0.9	6
257	Synthesis and In Vitro Evaluation of New Tacrine Derivates-Bis-Alkylene Linked 7-MEOTA. <i>Letters in Organic Chemistry</i> , 2010 , 7, 327-331	0.6	13
256	A comparison of the reactivating and therapeutic efficacy of newly developed oximes (K347, K628) with commonly used oximes (obidoxime, HI-6) against tabun in rats and mice. <i>Drug and Chemical Toxicology</i> , 2010 , 33, 227-32	2.3	3
255	The effect of trimedoxime on acetylcholinesterase and on the cholinergic system of the rat bladder. <i>Journal of Applied Biomedicine</i> , 2010 , 8, 87-92	0.6	3
254	Pesticide sorption in typical Central European soils evaluated using a photometric microplate assay based on acetylcholinesterase inhibition. <i>Journal of Applied Biomedicine</i> , 2010 , 8, 41-46	0.6	2
253	Kinetics of hydrolysis of organophosphate soman by cationic surfactant Resamin AE. <i>Journal of Applied Biomedicine</i> , 2010 , 8, 111-116	0.6	3
252	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
251	THIN-LAYER CHROMATOGRAPHY OF PYRIDINIUM ALDOXIMES USING DISTINCT TECHNIQUES FOR DEVELOPMENT. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010 , 33, 922-935	1.3	2
250	Preparation of the pyridinium salts differing in the length of the N-alkyl substituent. <i>Molecules</i> , 2010 , 15, 1967-72	4.8	30
249	In silico pharmacophore model for tabun-inhibited acetylcholinesterase reactivators: a study of their stereoelectronic properties. <i>Chemical Research in Toxicology</i> , 2010 , 23, 26-36	4	23

248	Reactivation of VX-inhibited AChE by novel oximes having two oxygen atoms in the linker. <i>Environmental Toxicology and Pharmacology</i> , 2010 , 30, 85-7	5.8	7
247	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
246	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
245	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
244	New antioxidant flavonoid isolated from <i>Leuzea carthamoides</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010 , 25, 143-5	5.6	5
243	Rapid and Sensitive Method for Citrinin Determination Using High-Performance Liquid Chromatography with Fluorescence Detection. <i>Analytical Letters</i> , 2010 , 43, 786-792	2.2	13
242	In vitro screening of blood-brain barrier penetration of clinically used acetylcholinesterase reactivators. <i>Journal of Applied Biomedicine</i> , 2010 , 8, 35-40	0.6	21
241	Development of promising oximes against nerve agent and/or pesticide intoxication. <i>Main Group Chemistry</i> , 2010 , 9, 355-361	0.6	3
240	Metabolic pathways of trichothecenes. <i>Drug Metabolism Reviews</i> , 2010 , 42, 250-267	7	141
239	Spectrophotometric Determination of the Acidity Constants of Some Oxime-Based β Nucleophiles. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1153-1157	2.8	21
238	A comparison of tabun-inhibited rat brain acetylcholinesterase reactivation by three oximes (HI-6, obidoxime, and K048) in vivo detected by biochemical and histochemical techniques. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010 , 25, 790-7	5.6	2
237	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, 509-12	5.6	22
236	Why acetylcholinesterase reactivators do not work in butyrylcholinesterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010 , 25, 318-22	5.6	14
235	In Vitro Screening of Blood-Brain Barrier Penetration of Monoquaternary Acetylcholinesterase Reactivators. <i>Analytical Letters</i> , 2010 , 43, 1516-1524	2.2	8
234	Evaluation of aflatoxin B1--acetylcholinesterase dissociation kinetic using the amperometric biosensor technology: prospect for toxicity mechanism. <i>Protein and Peptide Letters</i> , 2010 , 17, 340-2	1.9	7
233	Description of the Acid/Base Behavior of Organic Phosphines Using ab initio and Chemometric Approaches. <i>Letters in Organic Chemistry</i> , 2010 , 7, 552-556	0.6	7
232	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, 8804-12	4.8	21
231	New insights into detoxification of chemical warfare simulants and pesticides using micelle mediated systems. <i>Main Group Chemistry</i> , 2010 , 9, 337-353	0.6	4

230	Time-dependent changes in concentration of two clinically used acetylcholinesterase reactivators (HI-6 and obidoxime) in rat plasma determined by HPLC techniques after in vivo administration. <i>Analytical Sciences</i> , 2010 , 26, 63-7	1.7	17
229	Fluctuation in the ergosterol and deoxynivalenol content in barley and malt during malting process. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 109-114	4.4	10
228	Selected AChE reactivators in different crystalline environment: salts and enzyme. <i>Structural Chemistry</i> , 2010 , 21, 495-501	1.8	1
227	The antidotal efficacy of the bispyridinium oximes K027 and TMB-4 against tabun poisoning in mice. <i>Chemico-Biological Interactions</i> , 2010 , 187, 291-4	5	
226	Pseudo-catalytic scavenging: searching for a suitable reactivator of phosphorylated butyrylcholinesterase. <i>Chemico-Biological Interactions</i> , 2010 , 187, 167-71	5	49
225	Development of new acetylcholinesterase reactivators: molecular modeling versus in vitro data. <i>Chemico-Biological Interactions</i> , 2010 , 185, 73-7	5	19
224	Development of new acetylcholinesterase reactivators: molecular modeling versus in vitro data. <i>Chemico-Biological Interactions</i> , 2010 , 187, 436-40	5	12
223	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
222	Preparation and in vitro screening of symmetrical bispyridinium cholinesterase inhibitors bearing different connecting linkage-initial study for Myasthenia gravis implications. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 1763-6	2.9	27
221	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
220	Functionalized surfactant mediated reactions of carboxylate, phosphate and sulphonate esters. <i>Journal of Physical Organic Chemistry</i> , 2010 , 23, 519-525	2.1	15
219	The role of the Frontier orbitals in acidBase chemistry of organic amines probed by ab initio and chemometric techniques. <i>International Journal of Quantum Chemistry</i> , 2010 , 110, 2015-2023	2.1	14
218	New Bisquaternary Isoquinolinium Inhibitors of Brain Cholinesterases - Synthesis and Anticholinesterase Activity. <i>Letters in Drug Design and Discovery</i> , 2010 , 7, 1-4	0.8	4
217	Cationic Micellar-Catalyzed Hydrolysis of Pesticide Fenitrothion Using π -Nucleophiles. <i>Letters in Drug Design and Discovery</i> , 2010 , 7, 194-199	0.8	13
216	Novel Nucleophilic Compounds with Oxime Group as Reactivators of Paraoxon-Inhibited Cholinesterases. <i>Letters in Drug Design and Discovery</i> , 2010 , 7, 260-264	0.8	3
215	Potency of HI-6 to Reactivate Cyclosarin, Soman and Tabun Inhibited Acetylcholinesterase In Vivo Study. <i>Letters in Drug Design and Discovery</i> , 2010 , 7, 516-520	0.8	3
214	Chemical warfare agents. <i>Exs</i> , 2010 , 543-558		11
213	Biological warfare agents. <i>Exs</i> , 2010 , 559-578		6

212	Metabolic pathways of trichothecenes. <i>Drug Metabolism Reviews</i> , 2010 , 42, 250-67	7	39
211	In vitro Screening of Oxime Reactivators on the Model of Paraoxon-inhibited Acetylcholinesterase-SAR Study. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 1609-1614	1.2	
210	Chemical warfare agents. <i>Exs</i> , 2010 , 100, 543-58		17
209	A comparison of the reactivating and therapeutic efficacy of newly developed bispyridinium oximes (K250, K251) with commonly used oximes against tabun in rats and mice. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009 , 24, 1040-4	5.6	9
208	In vitro reactivation of trichlorfon-inhibited butyrylcholinesterase using HI-6, obidoxime, pralidoxime and K048. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009 , 24, 680-3	5.6	4
207	Progress of biosensors based on cholinesterase inhibition. <i>Current Medicinal Chemistry</i> , 2009 , 16, 1790-84.3	4.3	54
206	Pretreatment with Huperzine A Protects Acetylcholinesterase in the Rat Brain Against Inhibition by VX and Russian VX. <i>Letters in Drug Design and Discovery</i> , 2009 , 6, 563-567	0.8	6
205	A comparison of neuroprotective efficacy of newly developed oximes (K203, K206) and commonly used oximes (obidoxime, HI-6) in tabun-poisoned rats. <i>Drug and Chemical Toxicology</i> , 2009 , 32, 128-38	2.3	18
204	Evaluation of cholinesterase activities during in vivo intoxication using an electrochemical sensor strip - correlation with intoxication symptoms. <i>Sensors</i> , 2009 , 9, 3627-34	3.8	8
203	Monitoring of Blood Cholinesterase Activity in Workers Exposed to Nerve Agents 2009 , 877-886		8
202	Understanding the substituent effect on the acidity of alcohols and para-substituted phenols. <i>Molecular Simulation</i> , 2009 , 35, 1269-1278	2	9
201	Effect of seven newly synthesized and currently available oxime cholinesterase reactivators on cyclosarin-intoxicated rats. <i>International Journal of Molecular Sciences</i> , 2009 , 10, 3065-75	6.3	11
200	Evaluation of oxime k203 as antidote in tabun poisoning. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2009 , 60, 19-26	1.7	53
199	Effect of acetylcholinesterase oxime-type reactivators K-48 and HI-6 on human liver microsomal cytochromes P450 in vitro. <i>Chemico-Biological Interactions</i> , 2009 , 180, 449-53	5	5
198	Nerve Agents Assay Using Cholinesterase Based Biosensor. <i>Electroanalysis</i> , 2009 , 21, 1177-1182	3	19
197	Effect of five acetylcholinesterase reactivators on tabun-intoxicated rats: induction of oxidative stress versus reactivation efficacy. <i>Journal of Applied Toxicology</i> , 2009 , 29, 483-8	4.1	16
196	Kinetic study of the reactions of p-nitrophenyl acetate and p-nitrophenyl benzoate with oximate nucleophiles. <i>International Journal of Chemical Kinetics</i> , 2009 , 41, 57-64	1.4	17
195	Photocatalytic decomposition of methylene blue via Fenton mechanisms by silicon wafer doped with Au and Cu: a theoretical and experimental study. <i>Journal of Materials Science</i> , 2009 , 44, 1029-1034	4.3	10

194	Comparative study of nucleophilic efficacy of pralidoxime towards phosphorus, sulfur and thiophosphorus based esters. <i>Reaction Kinetics and Catalysis Letters</i> , 2009 , 98, 91-97		8
193	Methylacridinium and its cholinergic properties. <i>Neurotoxicity Research</i> , 2009 , 16, 372-7	4.3	5
192	Time-course changes of acetylcholinesterase activity in blood and some tissues in rats after intoxication by Russian VX. <i>Neurotoxicity Research</i> , 2009 , 16, 356-60	4.3	13
191	Evaluation of the neuroprotective efficacy of newly developed oximes (K206, K269) and currently available oximes (obidoxime, HI-6) in cyclosarin-poisoned rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009 , 104, 228-35	3.1	3
190	Reactivation of human brain homogenate cholinesterases inhibited by Tabun using newly developed oximes K117 and K127. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009 , 105, 207-10	3.1	7
189	Irinotecan side effects relieved by the use of HI-6 oxime: in vivo experimental approach. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009 , 105, 401-9	3.1	13
188	Planar Ni(II) 1,2-dithiolenes involving bidentate P-donor ligands. <i>Polyhedron</i> , 2009 , 28, 3565-3569	2.7	4
187	Fluorinated pyridinium oximes as potential reactivators for acetylcholinesterases inhibited by paraoxon organophosphorus agent. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 6213-7	3.4	28
186	A comparison of reactivating and therapeutic efficacy of newly-developed oximes (K156, K203) and commonly used oximes (obidoxime, HI-6) in cyclosarin-poisoned rats and mice. <i>Toxicology Mechanisms and Methods</i> , 2009 , 19, 346-50	3.6	9
185	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
184	Development of new antidotes of organophosphate intoxications: Oxime-assisted reactivation of dimethoxy- and diethoxy-phosphorylated human butyrylcholinesterase for construction of pseudo catalytic bioscavengers. <i>Toxicology Letters</i> , 2009 , 189, S216	4.4	4
183	Global Impact of Chemical Warfare Agents Used Before and After 1945 2009 , 17-24		9
182	Psychotomimetic Agent BZ (3-Quinuclidinyl Benzilate) 2009 , 135-142		2
181	Other Toxic Chemicals as Potential Chemical Warfare Agents 2009 , 331-338		1
180	Behavioral Toxicity of Nerve Agents 2009 , 481-492		1
179	Different inhibition of acetylcholinesterase in selected parts of the rat brain following intoxication with VX and Russian VX. <i>Drug and Chemical Toxicology</i> , 2009 , 32, 1-8	2.3	8
178	In vitro oxime-assisted reactivation of paraoxon-inhibited human acetylcholinesterase and butyrylcholinesterase. <i>Clinical Toxicology</i> , 2009 , 47, 545-50	2.9	32
177	Biological degradation of aflatoxins. <i>Drug Metabolism Reviews</i> , 2009 , 41, 1-7	7	196

176	A comparison of the neuroprotective efficacy of newly developed oximes (K117, K127) and currently available oxime (obidoxime) in tabun-poisoned rats. <i>Toxicology Mechanisms and Methods</i> , 2009 , 19, 232-8	3.6	4
175	In vitro identification of novel acetylcholinesterase reactivators. <i>Toxin Reviews</i> , 2009 , 28, 238-244	2.3	7
174	An evaluation of reactivating and therapeutic efficacy of newly developed oximes (K206, K269) and commonly used oximes (obidoxime, HI-6) in cyclosarin-poisoned rats and mice. <i>Clinical Toxicology</i> , 2009 , 47, 72-6	2.9	5
173	Novel bisquaternary oximes--reactivation of acetylcholinesterase and butyrylcholinesterase inhibited by paraoxon. <i>Molecules</i> , 2009 , 14, 4915-21	4.8	15
172	Chemical aspects of pharmacological prophylaxis against nerve agent poisoning. <i>Current Medicinal Chemistry</i> , 2009 , 16, 2977-86	4.3	57
171	Novel Oximes 2009 , 997-1021		6
170	Sarin Assay using Acetylcholinesterases and Electrochemical Sensor Strip. <i>Defence Science Journal</i> , 2009 , 59, 300-304	1.4	8
169	Is a high dose of Huperzine A really suitable for pretreatment against high doses of soman?. <i>Journal of Applied Biomedicine</i> , 2009 , 7, 93-99	0.6	11
168	Influence of different ways of euthanasia on the activity of cholinesterases in the rat. <i>Journal of Applied Biomedicine</i> , 2009 , 7, 133-136	0.6	6
167	Could oxime HI-6 really be considered as "broad-spectrum" antidote?. <i>Journal of Applied Biomedicine</i> , 2009 , 7, 143-149	0.6	24
166	Inhibition of blood cholinesterases by nerve agents in vitro. <i>Journal of Applied Biomedicine</i> , 2009 , 7, 201-206	0.6	4
165	Reactivation potency of the acetylcholinesterase reactivator obidoxime is limited. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2009 , 153, 259-62	1.7	2
164	Pharmacological Prophylaxis Against Nerve Agent Poisoning: Experimental Studies and Practical Implications 2009 , 977-984		
163	Interactions of butane, but-2-ene or xylene-like linked bispyridinium para-aldoximes with native and tabun-inhibited human cholinesterases. <i>Chemico-Biological Interactions</i> , 2008 , 175, 305-8	5	23
162	New bispyridinium oximes: in vitro and in vivo evaluation of their biological efficiency in soman and tabun poisoning. <i>Chemico-Biological Interactions</i> , 2008 , 175, 413-6	5	28
161	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, 425-7	5	21
160	Reactivation of DFP- and paraoxon-inhibited acetylcholinesterases by pyridinium oximes. <i>Chemico-Biological Interactions</i> , 2008 , 175, 365-7	5	24
159	An attempt to assess functionally minimal acetylcholinesterase activity necessary for survival of rats intoxicated with nerve agents. <i>Chemico-Biological Interactions</i> , 2008 , 175, 281-5	5	22

158	Diagnosis of Intoxication by the Organophosphate VX: Comparison Between an Electrochemical Sensor and Ellman's Photometric Method. <i>Sensors</i> , 2008 , 8, 5229-5237	3.8	25
157	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
156	Amperometric Biosensors for Real Time Assays of Organophosphates. <i>Sensors</i> , 2008 , 8, 5303-5312	3.8	37
155	In vitro antiplatelet activity of flavonoids from <i>Leuzea carthamoides</i> . <i>Drug and Chemical Toxicology</i> , 2008 , 31, 27-35	2.3	21
154	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, 218-24	5.6	16
153	TLC analysis of intermediates arising during the preparation of oxime HI-6 dimethanesulfonate. <i>Journal of Chromatographic Science</i> , 2008 , 46, 316-9	1.4	25
152	Temporal effects of newly developed oximes (K027, K048) on malathion-induced acetylcholinesterase inhibition and lipid peroxidation in mouse prefrontal cortex. <i>NeuroToxicology</i> , 2008 , 29, 184-9	4.4	23
151	Improvement of acetylcholinesterase-based assay for organophosphates in way of identification by reactivators. <i>Talanta</i> , 2008 , 77, 451-4	6.2	50
150	Daphnia intoxicated by nerve agent tabun can be treated using human antidotes. <i>Environmental Toxicology and Pharmacology</i> , 2008 , 25, 329-33	5.8	6
149	Efficacy and dosing of antidotes applied to Daphnia intoxicated by nerve agent tabun. <i>Environmental Toxicology and Pharmacology</i> , 2008 , 26, 283-9	5.8	4
148	Synthesis, Structure, and Cholinergic Effect of Novel Neuroprotective Compounds Bearing the Tacrine Pharmacophore. <i>Heterocycles</i> , 2008 , 76, 1219	0.8	19
147	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
146	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, 574-8	5.6	16
145	In Vitro Comparison of Two Most Promising H-Oximes (HI-6 and HLE7) and Currently Commercially Available Reactivators Pralidoxime and Obidoxime in Reactivation of Cyclosarin-Inhibited Human Cholinesterases. <i>Toxicology Mechanisms and Methods</i> , 2008 , 18, 329-33	3.6	
144	A comparison of the therapeutic and reactivating efficacy of newly developed bispyridinium compounds (K206, K269) with currently available oximes against tabun in rats and mice. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008 , 23, 776-80	5.6	6
143	High-performance liquid chromatography analysis of four <i>Leuzea carthamoides</i> flavonoids. <i>Journal of Chromatographic Science</i> , 2008 , 46, 162-4	1.4	1
142	Planar Ni(II) 1,2-dithiolenes involving bidentate N -donor ligands. <i>Journal of Coordination Chemistry</i> , 2008 , 61, 3525-3533	1.6	5
141	Molecular modelling of Mycobacterium tuberculosis acetolactate synthase catalytic subunit and its molecular docking study with inhibitors. <i>Molecular Simulation</i> , 2008 , 34, 707-713	2	13

140	Photometric microplate assay for estimation of the efficacy of paraoxon-inhibited acetylcholinesterase reactivation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008 , 23, 781-4	5.6	13
139	Detection of Aflatoxins in Capsicum Spice Using an Electrochemical Immunosensor. <i>Analytical Letters</i> , 2008 , 41, 2344-2353	2.2	9
138	A comparison of the therapeutic and reactivating efficacy of newly developed oximes (K117, K127) and currently available oximes (obidoxime, trimedoxime, HI-6) in tabun-poisoned rats and mice. <i>Drug and Chemical Toxicology</i> , 2008 , 31, 371-81	2.3	7
137	Sensor System Based on Acetylcholinesterase in Homogenous Phase for Analysis of Paraoxon. <i>Analytical Letters</i> , 2008 , 41, 2214-2223	2.2	7
136	Metabolic pathways of T-2 toxin. <i>Current Drug Metabolism</i> , 2008 , 9, 77-82	3.5	68
135	The development of new oximes and the evaluation of their reactivating, therapeutic and neuroprotective efficacy against tabun. <i>Mini-Reviews in Medicinal Chemistry</i> , 2008 , 8, 1134-43	3.2	27
134	Potency of novel oximes to reactivate sarin inhibited human cholinesterases. <i>Drug and Chemical Toxicology</i> , 2008 , 31, 1-9	2.3	9
133	Condensed and hydrolysable tannins as antioxidants influencing the health. <i>Mini-Reviews in Medicinal Chemistry</i> , 2008 , 8, 436-47	3.2	157
132	Cholinesterase biosensor construction - a review. <i>Protein and Peptide Letters</i> , 2008 , 15, 795-8	1.9	29
131	The present approaches to the development of prophylactic and therapeutic antidotes against nerve agents. <i>Interdisciplinary Toxicology</i> , 2008 , 1, 18-21	2.3	5
130	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
129	Effect of several new and currently available oxime cholinesterase reactivators on tabun-intoxicated rats. <i>International Journal of Molecular Sciences</i> , 2008 , 9, 2243-52	6.3	15
128	The role of carbonyl and thiocarbonyl groups in the conformational isomerism of haloacetones and halothioacetones. <i>Structural Chemistry</i> , 2008 , 19, 671-677	1.8	11
127	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, 367-72	4.4	18
126	Monoquatary 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, 8218-23	3.4	22
125	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
124	The influence of acetylcholinesterase reactivators on selected hepatic functions in rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008 , 103, 119-23	3.1	15
123	Aflatoxin Assay Using an Amperometric Sensor Strip and Acetylcholinesterase as Recognition Element. <i>Sensor Letters</i> , 2008 , 6, 450-453	0.9	12

122	Preparation of Oxime HI-6 (Dichloride and Dimethanesulphonate) - Antidote against Nerve Agents. <i>Defence Science Journal</i> , 2008 , 58, 399-404	1.4	9
121	A Comparison of the Neuroprotective Efficacy of Newly Developed Oximes (K156, K203) and Currently Available Oximes (Obidoxime, HI-6) in Cyclosarin-poisoned Rats. <i>Acta Medica (Hradec Kralove)</i> , 2008 , 51, 215-221	0.8	4
120	Optimization of acetylcholinesterase immobilization onto screen printed platinum electrode. <i>Journal of Applied Biomedicine</i> , 2008 , 6, 27-30	0.6	3
119	Prevention of the production of T-2 toxin and methods of minimizing its toxic effects. <i>Kontakt</i> , 2008 , 10, 200-208	0.3	
118	The effect of HI-6 on cholinesterases and on the cholinergic system of the rat bladder. <i>Neuroendocrinology Letters</i> , 2008 , 29, 759-62	0.3	6
117	New performance of biosensor technology for Alzheimer's disease drugs: in vitro comparison of tacrine and 7-methoxytacrine. <i>Neuroendocrinology Letters</i> , 2008 , 29, 755-8	0.3	8
116	Mycotoxin assays using biosensor technology: a review. <i>Drug and Chemical Toxicology</i> , 2007 , 30, 253-61	2.3	49
115	TLC Determination of Hydrophilicity Parameter of Some Pyridinium Aldoximes. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007 , 30, 2337-2344	1.3	9
114	Amperometric Biosensor for Evaluation of Competitive Cholinesterase Inhibition by the Reactivator HI-6. <i>Analytical Letters</i> , 2007 , 40, 2351-2359	2.2	19
113	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
112	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	6.3	21
111	Two step synthesis of a non-symmetric acetylcholinesterase reactivator. <i>Molecules</i> , 2007 , 12, 1755-61	4.8	9
110	Preparation of benzalkonium salts differing in the length of a side alkyl chain. <i>Molecules</i> , 2007 , 12, 2341-7	7.8	14
109	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
108	Measurement of K-27, an oxime-type cholinesterase reactivator by high-performance liquid chromatography with electrochemical detection from different biological samples. <i>Journal of Chromatography A</i> , 2007 , 1161, 146-51	4.5	25
107	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
106	Bisquaternary oximes as reactivators of tabun-inhibited human brain cholinesterases: an in vitro study. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007 , 101, 25-8	3.1	11
105	Comparison of reactivating and therapeutic efficacy of two salts of the oxime HI-6 against tabun, soman and cyclosarin in rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007 , 101, 328-32	3.1	9

104	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
103	In vitro reactivation potency of acetylcholinesterase reactivators--K074 and K075--to reactivate tabun-inhibited human brain cholinesterases. <i>Neurotoxicity Research</i> , 2007 , 11, 101-6	4.3	18
102	Phosphotriesterase modified by poly[N-(2-hydroxypropyl)methacrylamide]. <i>Toxicology</i> , 2007 , 233, 235	4.4	4
101	A comparison of reactivating efficacy of newly developed oximes (K074, K075) and currently available oximes (obidoxime, HI-6) in cyclosarin-and tabun-poisoned rats. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007 , 22, 297-300	5.6	12
100	Potency of five structurally different acetylcholinesterase reactivators to reactivate human brain cholinesterases inhibited by cyclosarin. <i>Clinical Toxicology</i> , 2007 , 45, 512-5	2.9	8
99	Treatment of organophosphate intoxication using cholinesterase reactivators: facts and fiction. <i>Mini-Reviews in Medicinal Chemistry</i> , 2007 , 7, 461-6	3.2	110
98	Structural Factors Influencing Potency of Currently Used Acetylcholinesterase Reactivators for Treatment of Cyclosarin Intoxications. <i>Current Pharmaceutical Design</i> , 2007 , 13, 3445-3452	3.3	10
97	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
96	Structure-Activity Relationship of Acetylcholinesterase Reactivators -Antidotes Against Nerve Agents. <i>Letters in Organic Chemistry</i> , 2007 , 4, 212-217	0.6	10
95	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
94	Twelve Different HI-6 Salts and their Potency to Reactivate Cyclosarin Inhibited AChE In Vitro. <i>Letters in Drug Design and Discovery</i> , 2007 , 4, 510-512	0.8	11
93	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
92	Targeted synthesis of 1-(4-hydroxyiminomethylpyridinium)-3-pyridiniumpropane dibromide--a new nerve agent reactivator. <i>Molecules</i> , 2007 , 12, 1964-72	4.8	14
91	Acetylcholinesterases--the structural similarities and differences. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007 , 22, 417-24	5.6	80
90	Changes of cholinesterase activities in the rat blood and brain after sarin intoxication pretreated with butyrylcholinesterase. <i>Drug and Chemical Toxicology</i> , 2007 , 30, 351-9	2.3	12
89	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
88	Biohazards of Protein Biotoxins. <i>Defence Science Journal</i> , 2007 , 57, 825-837	1.4	3
87	TLC of quaternary pyridinium aldoximes, antidotes of organophosphorus esterase inhibitors. <i>Journal of Planar Chromatography - Modern TLC</i> , 2007 , 20, 39-42	0.9	12

86	TLC identification of benzalkonium bromide homologs. <i>Journal of Planar Chromatography - Modern TLC</i> , 2007 , 20, 283-285	0.9	1
85	In vitro reactivation potency of bispyridinium (E)-but-2-ene linked acetylcholinesterase reactivators against tabun-inhibited acetylcholinesterase. <i>Journal of Applied Biomedicine</i> , 2007 , 5, 25-30	0.6	15
84	Assay of radical scavenging activity of antidotes against chemical warfare agents by DPPH test using sequential injection technique. <i>Journal of Applied Biomedicine</i> , 2007 , 5, 81-84	0.6	10
83	Kinetics of decomposition of organophosphate Fenitrothion by decontaminating foam-making blends. <i>Journal of Applied Biomedicine</i> , 2007 , 5, 167-170	0.6	3
82	Structural factors influencing potency of currently used acetylcholinesterase reactivators for treatment of cyclosarin intoxications. <i>Current Pharmaceutical Design</i> , 2007 , 13, 3445-52	3.3	1
81	Amperometric biosensor for pesticide methamidophos assay. <i>Acta Medica (Hradec Kralove)</i> , 2007 , 50, 239-41	0.8	1
80	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
79	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
78	The acute toxicity of acetylcholinesterase reactivators in mice in relation to their structure. <i>Neurotoxicity Research</i> , 2006 , 9, 291-6	4.3	37
77	Reactivation of sarin-inhibited pig brain acetylcholinesterase using oxime antidotes. <i>Journal of Medical Toxicology</i> , 2006 , 2, 141-6	2.6	6
76	Effect of some acetylcholinesterase reactivators on human platelet aggregation in vitro. <i>Journal of Applied Toxicology</i> , 2006 , 26, 258-61	4.1	6
75	Structural requirements of acetylcholinesterase reactivators. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006 , 6, 269-77	3.2	173
74	The reactivating and therapeutic efficacy of oximes to counteract Russian VX poisonings. <i>International Journal of Toxicology</i> , 2006 , 25, 397-401	2.4	20
73	A comparison of the efficacy of new asymmetric bispyridinium oximes (K027, K048) with currently available oximes against tabun by in vivo methods. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2006 , 69, 1875-82	3.2	31
72	Toxicity of the nerve agent tabun to <i>Daphnia magna</i> , a new experimental species in military toxicology. <i>Chemistry and Ecology</i> , 2006 , 22, 175-180	2.3	8
71	In vitro potency of H oximes (HI-6, HLE7), the oxime BI-6, and currently used oximes (pralidoxime, obidoxime, trimedoxime) to reactivate nerve agent-inhibited rat brain acetylcholinesterase. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2006 , 69, 1431-40	3.2	7
70	In vitro evaluation of acetylcholinesterase reactivators as potential antidotes against tabun nerve agent poisonings. <i>Drug and Chemical Toxicology</i> , 2006 , 29, 443-9	2.3	10
69	New group of xylene linker-containing acetylcholinesterase reactivators as antidotes against the nerve agent cyclosarin. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2006 , 21, 515-9	5.6	8

68	Potency of new structurally different oximes to reactivate cyclosarin-inhibited human brain acetylcholinesterases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2006 , 21, 663-6	5.6	26
67	Tests with <i>Daphnia magna</i> : a new approach to prescreen toxicity of newly synthesized acetylcholinesterase reactivators. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2006 , 21, 427-32	5.6	6
66	Reply to Comment on the Paper '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, 10653-10654	2.8	10
65	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
64	Structure-activity relationship for the reactivators of acetylcholinesterase inhibited by nerve agent VX. <i>Toxicology Letters</i> , 2006 , 164, S51-S52	4.4	2
63	In vitro comparison of eight acetylcholinesterase reactivators to reactivate VX inhibited ACHE. <i>Toxicology Letters</i> , 2006 , 164, S120	4.4	2
62	Concerning the FERMO concept and Pearson's Hard and Soft acid-base principle. <i>Journal of the Brazilian Chemical Society</i> , 2006 , 17, 223	1.5	18
61	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
60	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, 4852-5	2.9	22
59	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
58	Pretreatment with pyridinium oximes improves antidotal therapy against tabun poisoning. <i>Toxicology</i> , 2006 , 228, 41-50	4.4	49
57	Botulinum Toxin; Bioterror and Biomedical Agent. <i>Defence Science Journal</i> , 2006 , 56, 189-197	1.4	3
56	Prophylaxis Against Nerve Agent Intoxications. <i>Defence Science Journal</i> , 2006 , 56, 775-784	1.4	21
55	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	0.6	30
54	Freshwater microcrustacean <i>Daphnia magna</i> Straus as an early screen model to compare toxicity of acetylcholinesterase inhibitors. <i>Journal of Applied Biomedicine</i> , 2006 , 4, 105-110	0.6	6
53	Reactivation of acetylcholinesterase inhibited by the pesticide chlorpyrifos. <i>Journal of Applied Biomedicine</i> , 2006 , 4, 147-151	0.6	4
52	Chemical terrorism. <i>Kontakt</i> , 2006 , 8, 123-127	0.3	3
51	The search for new DHFR inhibitors: a review of patents, January 2001 [February 2005. <i>Expert Opinion on Therapeutic Patents</i> , 2005 , 15, 967-986	6.8	20

50	A new group of monoquateryary reactivators of acetylcholinesterase inhibited by nerve agents. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2005 , 20, 233-7	5.6	22
49	Determination of Benzalkonium Bromide Homologues in Disinfection Products Using High-Performance Liquid Chromatography. <i>Analytical Letters</i> , 2005 , 38, 673-682	2.2	14
48	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
47	Antidotal treatment of GF-agent intoxication in mice with bispyridinium oximes. <i>Toxicology</i> , 2005 , 207, 1-6	4.4	35
46	Signs of cyclosarin-induced neurotoxicity and its pharmacological treatment with quaternary pyridinium-oximes reactivators. <i>Toxicology</i> , 2005 , 216, 32-40	4.4	4
45	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
44	Comparison of the potency of newly developed and currently available oximes to reactivate nerve agent-inhibited acetylcholinesterase in vitro and in vivo. <i>Chemico-Biological Interactions</i> , 2005 , 157-158, 367-8	5	8
43	Comparison of ability of some oximes to reactivate sarin-inhibited brain acetylcholinesterase from different species. <i>Chemico-Biological Interactions</i> , 2005 , 157-158, 385-7	5	6
42	Comparison of in vitro potency of oximes (pralidoxime, obidoxime, HI-6) to reactivate sarin-inhibited acetylcholinesterase in various parts of pig brain. <i>Journal of Applied Toxicology</i> , 2005 , 25, 271-6	4.1	12
41	In vitro reactivation potency of some acetylcholinesterase reactivators against sarin- and cyclosarin-induced inhibitions. <i>Journal of Applied Toxicology</i> , 2005 , 25, 296-300	4.1	15
40	Effective bisquateryary reactivators of tabun-inhibited AChE. <i>Journal of Applied Toxicology</i> , 2005 , 25, 491-5	4.1	51
39	A comparison of the potency of newly developed oximes (K005, K027, K033, K048) and currently used oximes (pralidoxime, obidoxime, HI-6) to reactivate sarin-inhibited rat brain acetylcholinesterase by in vitro methods. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2005 , 69, 177-86	3.2	20
38	Bispyridinium oximes as antidotal treatment of cyclosarin poisoning-in vitro and in vivo testing. <i>International Journal of Toxicology</i> , 2005 , 24, 399-402	2.4	8
37	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
36	A Comparison of the Potency of the Oxime HLE7 and Currently Used Oximes (HI-6, Pralidoxime, Obidoxime) to Reactivate Nerve Agent-Inhibited Rat Brain Acetylcholinesterase by in vitro Methods. <i>Acta Medica (Hradec Kralove)</i> , 2005 , 48, 81-86	0.8	16
35	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
34	Prediction of a new broad-spectrum reactivator capable of reactivating acetylcholinesterase inhibited by nerve agents. <i>Journal of Applied Biomedicine</i> , 2005 , 3, 139-145	0.6	12
33	New quaternary pyridine aldoximes as casual antidotes against nerve agents intoxications. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2005 , 149, 75-82	1.7	30

32	A comparison of the potency of trimedoxime and other currently available oximes to reactivate tabun-inhibited acetylcholinesterase and eliminate acute toxic effects of tabun. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia, 2005</i> , 149, 419-23	1.7	10
31	EFFECTIVITY OF NEW ACETYLCHOLINESTERASE REACTIVATORS IN TREATMENT OF CYCLOSARIN POISONING IN MICE AND RATS. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia, 2005</i> , 149, 425-427	1.7	1
30	Strategy for the development of new acetylcholinesterase reactivators - antidotes used for treatment of nerve agent poisonings. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia, 2005</i> , 149, 429-31	1.7	10
29	Synthesis of Bisquaternary Symmetric - X,ै-Bis(2-Hydroxyiminomethylpyridinium) Alkane Dibromides and Their Reactivation of Cyclosarin-Inhibited Acetylcholinesterase. <i>Letters in Organic Chemistry, 2004</i> , 1, 84-86	0.6	48
28	Reactivation of cyclosarin-inhibited rat brain acetylcholinesterase by pyridinium--oximes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry, 2004</i> , 19, 39-43	5.6	46
27	Oximes-induced reactivation of rat brain acetylcholinesterase inhibited by VX agent. <i>Human and Experimental Toxicology, 2004</i> , 23, 167-71	3.4	31
26	Reactivation of organophosphate-inhibited acetylcholinesterase by quaternary pyridinium aldoximes. <i>Neurotoxicity Research, 2004</i> , 6, 565-70	4.3	22
25	A density functional study on the complexation of ethambutol with divalent cations. <i>Computational and Theoretical Chemistry, 2004</i> , 676, 149-153		19
24	Theoretical evaluation of adiabatic and vertical electron affinity of some radiosensitizers in solution using FEP, ab initio and DFT methods. <i>Biophysical Chemistry, 2004</i> , 110, 267-79	3.5	35
23	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, 2004</i> , 16, 6159-6170	1.8	36
22	In Vitro Reactivation of Acetylcholinesterase Inhibited by Cyclosarin Using Bisquaternary Pyridinium Aldoximes K005, K033, K027 and K048. <i>Acta Medica (Hradec Kralove), 2004</i> , 47, 107-109	0.8	2
21	Cyclodextrines as Functional Agents for Decontamination of the Skin Contaminated by Nerve Agents. <i>Acta Medica (Hradec Kralove), 2004</i> , 47, 115-118	0.8	3
20	Acetylcholinesterase and Butyrylcholinesterase Important Enzymes of Human Body. <i>Acta Medica (Hradec Kralove), 2004</i> , 47, 215-228	0.8	52
19	Therapeutic Efficacy of Different Antidotal Mixtures Against Poisoning with GF-Agent in Mice. <i>Acta Medica (Hradec Kralove), 2004</i> , 47, 249-251	0.8	5
18	Quaternary Heteroarenium Salts as the Competitive Inhibitors of the Brain Acetylcholinesterase. <i>Letters in Drug Design and Discovery, 2004</i> , 1, 97-100	0.8	10
17	Synthesis of the three monopyridinium oximes and evaluation of their potency to reactivate acetylcholinesterase inhibited by nerve agents. <i>Journal of Applied Biomedicine, 2004</i> , 2, 51-56	0.6	18
16	The therapeutic efficacy of oxime treatment in cyclosarin-poisoned mice pretreated with a combination of pyridostigmine benactyzine and trihexyphenidyl. <i>Journal of Applied Biomedicine, 2004</i> , 2, 163-167	0.6	16
15	A general method for the quaternization of N,N-dimethyl benzylamines with long chain n-alkylbromides. <i>Journal of Applied Biomedicine, 2004</i> , 2, 195-198	0.6	19

14	In vitro reactivation of acetylcholinesterase using the oxime K027. <i>Veterinary and Human Toxicology</i> , 2004 , 46, 15-8		17
13	Cyclodextrines as functional agents for decontamination of the skin contaminated by nerve agents. <i>Acta Medica (Hradec Kralove)</i> , 2004 , 47, 115-8	0.8	1
12	Acetylcholinesterase and butyrylcholinesterase--important enzymes of human body. <i>Acta Medica (Hradec Kralove)</i> , 2004 , 47, 215-28	0.8	25
11	Theoretical and experimental ¹³ C and ¹⁵ N NMR investigation of guanlylhydrazones in solution. <i>Magnetic Resonance in Chemistry</i> , 2003 , 41, 983-988	2.1	34
10	Synthesis of a potential reactivator of acetylcholinesterase--(4-hydroxyiminomethylpyridinium)-3-(carbamoylpyridinium)propane dibromide. <i>Tetrahedron Letters</i> , 2003 , 44, 3123-3125	2	105
9	Synthesis of a new reactivator of tabun-inhibited acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003 , 13, 3545-7	2.9	116
8	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
7	Edible mushrooms--enrichment in food and feed: A mini review. <i>International Journal of Food Science and Technology</i> ,	3.8	2
6	Decoding of the coupling between brain and skin activities in olfactory stimulation by analysis of EEG and GSR signals. <i>Waves in Random and Complex Media</i> , 1-15	1.9	2
5	Arbuscular mycorrhizal fungi mitigate drought stress in citrus by modulating root microenvironment. <i>Archives of Agronomy and Soil Science</i> , 1-12	2	10
4	Multi-Target-Directed Ligands in Alzheimer's Disease Therapy		1
3	Dynamic sustainable business modelling: exploring the dynamics of business model components considering the product development framework. <i>Applied Economics</i> , 1-28	1.6	
2	Mycology-Nanotechnology Interface: Applications in Medicine and Cosmetology. <i>International Journal of Nanomedicine</i> , Volume 17, 2505-2533	7.3	2
1	Are the current commercially available oximes capable of reactivating acetylcholinesterase inhibited by the nerve agents of the A-series?. <i>Archives of Toxicology</i> ,	5.8	3