

Miroslav Pohanka

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.

260
papers

4,597
citations

34
h-index

54
g-index

306
ext. papers

5,284
ext. citations

2.7
avg, IF

6.88
L-index

#	Paper	IF	Citations
260	A Butyrylcholinesterase Camera Biosensor Tested for Carbofuran and Paraoxon Assay.. <i>International Journal of Analytical Chemistry</i> , 2022 , 2022, 2623155	1.4	
259	Diagnoses Based on C-Reactive Protein Point-of-Care Tests. <i>Biosensors</i> , 2022 , 12, 344	5.9	1
258	Glycated Hemoglobin and Methods for Its Point of Care Testing. <i>Biosensors</i> , 2021 , 11,	5.9	7
257	PERMANENT STRUCTURED COOPERATION OF THE EUROPEAN UNION IN THE AREA OF CBRN. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2021 , 90, 43-50	0.2	
256	A Smartphone Camera Colorimetric Assay of Acetylcholinesterase and Butyrylcholinesterase Activity. <i>Sensors</i> , 2021 , 21,	3.8	3
255	Current Biomedical and Diagnostic Applications of Gold Micro and Nanoparticles. <i>Mini-Reviews in Medicinal Chemistry</i> , 2021 , 21, 1085-1095	3.2	5
254	Colorimetric Method for the Determination of Proteins Using Immobilized Microbial Protease and a Smartphone Camera. <i>Analytical Letters</i> , 2021 , 54, 1023-1037	2.2	0
253	Point-of-Care Diagnoses and Assays Based on Lateral Flow Test. <i>International Journal of Analytical Chemistry</i> , 2021 , 2021, 1-9	1.4	8
252	Novel Trends in Electrochemical Biosensors for Early Diagnosis of Alzheimer's Disease. <i>International Journal of Analytical Chemistry</i> , 2021 , 2021, 9984876	1.4	0
251	Immunoassay of interferon gamma by quartz crystal microbalance biosensor. <i>Talanta</i> , 2020 , 218, 1211676.2	6.2	9
250	Glomalin – an interesting protein part of the soil organic matter. <i>Soil and Water Research</i> , 2020 , 15, 67-74	2.5	20
249	Colorimetric hand-held sensors and biosensors with a small digital camera as signal recorder, a review. <i>Reviews in Analytical Chemistry</i> , 2020 , 39, 20-30	2.3	14
248	Diagnoses of Pathological States Based on Acetylcholinesterase and Butyrylcholinesterase. <i>Current Medicinal Chemistry</i> , 2020 , 27, 2994-3011	4.3	4
247	Inhibitors of Cholinesterases in Pharmacology: the Current Trends. <i>Mini-Reviews in Medicinal Chemistry</i> , 2020 , 20, 1532-1542	3.2	7
246	Botulinum Toxin as a Biological Warfare Agent: Poisoning, Diagnosis and Countermeasures. <i>Mini-Reviews in Medicinal Chemistry</i> , 2020 , 20, 865-874	3.2	2
245	Bacillus anthracis as a biological warfare agent: infection, diagnosis and countermeasures. <i>Bratislava Medical Journal</i> , 2020 , 121, 175-181	1.7	3
244	TERRORIST ATTACKS BY LONELY WOLFS AND ITS PREVENTION. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2020 , 89, 215-220	0.2	

243	Immunoassay of Glomalin by Quartz Crystal Microbalance Biosensor Containing Iron Oxide Nanoparticles. <i>International Journal of Analytical Chemistry</i> , 2020 , 2020, 8844151	1.4	2
242	D-Lactic Acid as a Metabolite: Toxicology, Diagnosis, and Detection. <i>BioMed Research International</i> , 2020 , 2020, 3419034	3	32
241	Piezoelectric Immunosensor for Tissue Transglutaminase Antibodies Determination for Celiac Disease Diagnostic and Comparison with ELISA Method. <i>International Journal of Electrochemical Science</i> , 2020 , 5154-5165	2.2	2
240	Biosensors commercial off the shelf in biological warfare attack 2020 , 287-300		
239	Pyridostigmine bromide and its relation to Gulf War illness. <i>Toxin Reviews</i> , 2020 , 39, 138-146	2.3	2
238	QCM immunosensor for the determination of Staphylococcus aureus antigen. <i>Chemical Papers</i> , 2020 , 74, 451-458	1.9	10
237	Piezoelectric Immunosensor for the Determination of C- Reactive Protein. <i>International Journal of Electrochemical Science</i> , 2019 , 8470-8478	2.2	8
236	Construction of a QCM Biosensor for free Hemoglobin Assay. <i>International Journal of Electrochemical Science</i> , 2019 , 5237-5246	2.2	2
235	Current Trends in the Biosensors for Biological Warfare Agents Assay. <i>Materials</i> , 2019 , 12,	3.5	24
234	Copper and copper nanoparticles toxicity and their impact on basic functions in the body. <i>Bratislava Medical Journal</i> , 2019 , 120, 397-409	1.7	22
233	Antidotes Against Methanol Poisoning: A Review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2019 , 19, 1126-1133	3.3	4
232	Biosensors and Bioassays Based on Lipases, Principles and Applications, a Review. <i>Molecules</i> , 2019 , 24,	4.8	32
231	Indoxyl Acetate as a Substrate for Analysis of Lipase Activity. <i>International Journal of Analytical Chemistry</i> , 2019 , 2019, 8538340	1.4	2
230	Nanomaterials as Pseudocatalysts in the Construction of Electrochemical Nonenzymatic Sensors for Healthcare: A Review. <i>Analytical Letters</i> , 2019 , 52, 1396-1417	2.2	2
229	Oxidative Stress and Heavy Metals in Plants. <i>Reviews of Environmental Contamination and Toxicology</i> , 2018 , 245, 129-156	3.5	37
228	Superficially Bound Acetylcholinesterase Based on a Chitosan Matrix for Neurotoxic Compound Assay by a Photographic Technique. <i>Analytical Letters</i> , 2018 , 51, 1622-1632	2.2	2
227	Assay of Glomalin Using a Quartz Crystal Microbalance Biosensor. <i>Electroanalysis</i> , 2018 , 30, 453-458	3	7
226	Piezoelectric biosensor for the determination of Tumor Necrosis Factor Alpha. <i>Talanta</i> , 2018 , 178, 970-983	3.3	44

225	Overview of Piezoelectric Biosensors, Immunosensors and DNA Sensors and Their Applications. <i>Materials</i> , 2018 , 11,	3.5	130
224	Cold deep subduction recorded by remnants of a Paleoproterozoic carbonated slab. <i>Nature Communications</i> , 2018 , 9, 2790	17.4	40
223	Inhibition of Acetylcholinesterase and Butyrylcholinesterase by a Plant Secondary Metabolite Boldine. <i>BioMed Research International</i> , 2018 , 2018, 9634349	3	18
222	Fast and simple glucose assay based on filter paper as enzymes carrier using phone camera detection. <i>Chemical Papers</i> , 2018 , 72, 2719-2728	1.9	5
221	Adsorption of Copper in Soil and its Dependence on Physical and Chemical Properties. <i>Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis</i> , 2018 , 66, 219-224	0.5	7
220	Oxidative stress response of rainbow trout (<i>Oncorhynchus mykiss</i>) to multiple stressors. <i>Acta Veterinaria Brno</i> , 2018 , 87, 55-64	0.8	7
219	MICROBIAL PROTEASES AND THEIR APPLICATIONS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2018 , 87, 8-13	0.2	
218	DIAGNOSIS OF AUTOIMMUNE DISEASES. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2018 , 87, 74-81	0.2	
217	Iron Oxide Nanoparticles: Innovative Tool in Cancer Diagnosis and Therapy. <i>Advanced Healthcare Materials</i> , 2018 , 7, 1700932	10.1	55
216	Magnetic Particles in Electrochemical Analyses. <i>International Journal of Electrochemical Science</i> , 2018 , 12000-12009	2.2	2
215	The Determination of Human Albumin by a Quartz Crystal Microbalance Immunosensor. <i>International Journal of Electrochemical Science</i> , 2018 , 8471-8480	2.2	4
214	Oxidative stress in Alzheimer disease as a target for therapy. <i>Bratislava Medical Journal</i> , 2018 , 119, 535-543	1.5	32
213	Digital camera-based lipase biosensor for the determination of paraoxon. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 610-615	8.5	10
212	Recovery of an oxidized majorite inclusion from Earth's deep asthenosphere. <i>Science Advances</i> , 2017 , 3, e1601589	14.3	24
211	Changes in the oxidative stress/anti-oxidant system after exposure to sulfur mustard and antioxidant strategies in the therapy, a review. <i>Toxicology Mechanisms and Methods</i> , 2017 , 27, 408-416	3.6	9
210	Small camera as a handheld colorimetric tool in the analytical chemistry. <i>Chemical Papers</i> , 2017 , 71, 1553-1561	1.5	19
209	Main streams in the Construction of Biosensors and Their Applications. <i>International Journal of Electrochemical Science</i> , 2017 , 7386-7403	2.2	34
208	The Piezoelectric Biosensors: Principles and Applications, a Review. <i>International Journal of Electrochemical Science</i> , 2017 , 496-506	2.2	74

207	Galantamine has impact on immunity in mice exposed to keyhole limpet hemocyanin. <i>Bratislava Medical Journal</i> , 2017 , 118, 9-12	1.7	1
206	Biosensors Based on Semiconductors, a Review. <i>International Journal of Electrochemical Science</i> , 2017 , 6611-6621	2.2	11
205	Therapeutical strategies for anxiety and anxiety-like disorders using plant-derived natural compounds and plant extracts. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 95, 437-446	7.5	19
204	Construction of an Acetylcholinesterase Sensor Based on Synthesized Paramagnetic Nanoparticles, a Simple Tool for Neurotoxic Compounds Assay. <i>Sensors</i> , 2017 , 17,	3.8	9
203	Acetylcholinesterase Inhibitors Assay Using Colorimetric pH Sensitive Strips and Image Analysis by a Smartphone. <i>International Journal of Analytical Chemistry</i> , 2017 , 2017, 3712384	1.4	7
202	Anti-Parkinson Drug Biperiden Inhibits Enzyme Acetylcholinesterase. <i>BioMed Research International</i> , 2017 , 2017, 2532764	3	11
201	Analytical Tools for the Determination of Antioxidants and Antioxidant Capacity in Biological Samples, Principles and Applications. <i>Current Organic Chemistry</i> , 2017 , 21,	1.7	2
200	Quantum Dots in the Therapy: Current Trends and Perspectives. <i>Mini-Reviews in Medicinal Chemistry</i> , 2017 , 17, 650-656	3.2	21
199	Colorimetric sensor based on bubble wrap and camera phone for glucose determination. <i>Journal of Applied Biomedicine</i> , 2016 , 14, 315-319	0.6	6
198	Colorimetric sol gel based biosensor platform for determination of reduced glutathione. <i>Sensors and Actuators B: Chemical</i> , 2016 , 236, 442-449	8.5	6
197	TRPV currents and their role in the nociception and neuroplasticity. <i>Neuropeptides</i> , 2016 , 57, 1-8	3.3	11
196	Caffeine and cardiovascular diseases: critical review of current research. <i>European Journal of Nutrition</i> , 2016 , 55, 1331-43	5.2	50
195	Vaccination to Alzheimer Disease. Is it a Promising Tool or a Blind Way?. <i>Current Medicinal Chemistry</i> , 2016 , 23, 1432-41	4.3	10
194	Toxicology and the biological role of methanol and ethanol: Current view. <i>Biomedical Papers of the Medical Faculty of the University Palacký&#x0301;, Olomouc, Czechoslovakia</i> , 2016 , 160, 54-63	1.7	26
193	Effect of Intramuscular Injection on Oxidative Homeostasis in Laboratory Guinea Pig Model. <i>Acta Medica (Hradec Kralove)</i> , 2016 , 59, 59-63	0.8	
192	Electrochemical Biosensors based on Acetylcholinesterase and Butyrylcholinesterase. A Review. <i>International Journal of Electrochemical Science</i> , 2016 , 7440-7452	2.2	11
191	Freund's complete adjuvant effect on BALB/c mice: an insight into inflammation and oxidative stress after immunity challenge. <i>Bratislava Medical Journal</i> , 2016 , 117, 268-71	1.7	1
190	Electrochemical Methods for Study of Influence of Selenium Nanoparticles on Antioxidant Status of Rats. <i>International Journal of Electrochemical Science</i> , 2016 , 2799-2824	2.2	9

189	Voltammetric Biosensor Based on a Modified Chitosan Membrane Enzyme Peroxidase. <i>International Journal of Electrochemical Science</i> , 2016 , 10391-10406	2.2	2
188	Electrochemical Determination of Activity of Acetylcholinesterase Immobilized on Magnetic Particles. <i>International Journal of Electrochemical Science</i> , 2016 , 4840-4849	2.2	6
187	Color Change of Phenol Red by Integrated Smart Phone Camera as a Tool for the Determination of Neurotoxic Compounds. <i>Sensors</i> , 2016 , 16,	3.8	7
186	Colorimetric Glucose Assay Based on Magnetic Particles Having Pseudo-peroxidase Activity and Immobilized Glucose Oxidase. <i>Molecular Biotechnology</i> , 2016 , 58, 373-80	3	7
185	Evaluation of the benefit of the bispyridinium compound MB327 for the antidotal treatment of nerve agent-poisoned mice. <i>Toxicology Mechanisms and Methods</i> , 2016 , 26, 334-9	3.6	9
184	Biosensors for the Diagnosis of Celiac Disease: Current Status and Future Perspectives. <i>Molecular Biotechnology</i> , 2016 , 58, 381-92	3	5
183	Three-Dimensional Printing in Analytical Chemistry: Principles and Applications. <i>Analytical Letters</i> , 2016 , 49, 2865-2882	2.2	20
182	Celecoxib is an inhibitor of enzyme acetylcholinesterase. <i>Neuroendocrinology Letters</i> , 2016 , 37, 118-122	0.3	
181	Phone camera detection of glucose blood level based on magnetic particles entrapped inside bubble wrap. <i>Neuroendocrinology Letters</i> , 2016 , 37, 132-138	0.3	2
180	Smartphone-based colorimetric detection of glutathione. <i>Neuroendocrinology Letters</i> , 2016 , 37, 139-143	0.3	1
179	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
178	Biosensors for Blood Glucose and Diabetes Diagnosis: Evolution, Construction, and Current Status. <i>Analytical Letters</i> , 2015 , 48, 2509-2532	2.2	33
177	Toxicity of cyanobacterial secondary metabolites. <i>Reviews in Medical Microbiology</i> , 2015 , 26, 59-64	1.1	
176	Evaluation of 2,6-dichlorophenolindophenol acetate as a substrate for acetylcholinesterase activity assay. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015 , 30, 796-9	5.6	8
175	Determination of acetylcholinesterase and butyrylcholinesterase activity without dilution of biological samples. <i>Chemical Papers</i> , 2015 , 69,	1.9	4
174	Biosensors containing acetylcholinesterase and butyrylcholinesterase as recognition tools for detection of various compounds. <i>Chemical Papers</i> , 2015 , 69,	1.9	15
173	Caffeine downregulates antibody production in a mouse model. <i>Journal of Applied Biomedicine</i> , 2015 , 13, 1-6	0.6	4
172	Caffeine can influence tularemia pathogenesis in a mouse model. <i>Toxicology Letters</i> , 2015 , 238, S218	4.4	

171	The Spectrum of Differences between Childhood and Adulthood Celiac Disease. <i>Nutrients</i> , 2015 , 7, 8733-61	3.8	33
170	Photography by Cameras Integrated in Smartphones as a Tool for Analytical Chemistry Represented by an Butyrylcholinesterase Activity Assay. <i>Sensors</i> , 2015 , 15, 13752-62	3.8	27
169	The perspective of caffeine and caffeine derived compounds in therapy. <i>Bratislava Medical Journal</i> , 2015 , 116, 520-30	1.7	12
168	Melatonin Regulates Oxidative Stress Initiated by Freund's Complete Adjuvant. <i>Acta Medica (Hradec Kralove)</i> , 2015 , 58, 21-4	0.8	2
167	Possibility of Acetylcholinesterase Overexpression in Alzheimer Disease Patients after Therapy with Acetylcholinesterase Inhibitors. <i>Acta Medica (Hradec Kralove)</i> , 2015 , 58, 37-42	0.8	16
166	Mixture toxicity of microcystin-LR, paraoxon and bromadiolone in <i>Xenopus laevis</i> embryos. <i>Neuroendocrinology Letters</i> , 2015 , 36 Suppl 1, 114-9	0.3	
165	Copper, aluminum, iron and calcium inhibit human acetylcholinesterase in vitro. <i>Environmental Toxicology and Pharmacology</i> , 2014 , 37, 455-9	5.8	23
164	Low molecular weight precursor applicable for Alzheimer disease drugs synthesis (AChE and BChE inhibition, BACE inhibition, antioxidant properties and in silico modulation). <i>Journal of Applied Biomedicine</i> , 2014 , 12, 285-290	0.6	9
163	Voltammetric assay of butyrylcholinesterase in plasma samples and its comparison to the standard spectrophotometric test. <i>Talanta</i> , 2014 , 119, 412-6	6.2	18
162	Novel tacrine/acridine anticholinesterase inhibitors with piperazine and thiourea linkers. <i>International Journal of Biological Macromolecules</i> , 2014 , 70, 435-9	7.9	31
161	Evaluation of antioxidant activity, polyphenolic compounds, amino acids and mineral elements of representative genotypes of <i>Lonicera edulis</i> . <i>Molecules</i> , 2014 , 19, 6504-23	4.8	13
160	Preparation and performance of a colorimetric biosensor using acetylcholinesterase and indoxylacetate for assay of nerve agents and drugs. <i>Interdisciplinary Toxicology</i> , 2014 , 7, 215-8	2.3	9
159	Caffeine alters oxidative homeostasis in the body of BALB/c mice. <i>Bratislava Medical Journal</i> , 2014 , 115, 699-703	1.7	3
158	Flow injection analysis with electrochemical detection for rapid identification of platinum-based cytostatics and platinum chlorides in water. <i>International Journal of Environmental Research and Public Health</i> , 2014 , 11, 1715-24	4.6	1
157	Inhibitors of acetylcholinesterase and butyrylcholinesterase meet immunity. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 9809-25	6.3	128
156	Oxidative stress and liver damage in birds exposed to diclofenac and lead. <i>Acta Veterinaria Brno</i> , 2014 , 83, 299-304	0.8	8
155	Postponed effect of neostigmine on oxidative homeostasis. <i>Interdisciplinary Toxicology</i> , 2014 , 7, 134-8	2.3	
154	Investigating the influence of taurine on thiol antioxidant status in Wistar rats with a multi-analytical approach. <i>Journal of Applied Biomedicine</i> , 2014 , 12, 97-110	0.6	8

153	Alzheimer's disease and oxidative stress: a review. <i>Current Medicinal Chemistry</i> , 2014 , 21, 356-64	4.3	148
152	The effects of caffeine on the cholinergic system. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014 , 14, 543-9	3.2	9
151	Organs of BALB/c mice can be injured in course of tularemia. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2014 , 158, 557-61	1.7	1
150	Cholinesterases in Biorecognition and Biosensors Construction: A Review. <i>Analytical Letters</i> , 2013 , 46, 1849-1868	2.2	47
149	Lead toxicosis of captive vultures: case description and responses to chelation therapy. <i>BMC Veterinary Research</i> , 2013 , 9, 11	2.7	25
148	Chromogenic detection of Sarin by discolouring decomplexation of a metal coordination complex. <i>Chemical Communications</i> , 2013 , 49, 8946-8	5.8	25
147	HI-6 modulates immunization efficacy in a BALB/c mouse model. <i>Environmental Toxicology and Pharmacology</i> , 2013 , 36, 801-6	5.8	2
146	Spectrophotometric methods based on 2,6-dichloroindophenol acetate and indoxylacetate for butyrylcholinesterase activity assay in plasma. <i>Talanta</i> , 2013 , 106, 281-5	6.2	25
145	Acute toxoplasmosis-etiological factor for development of Hodgkin's lymphoma?. <i>Scandinavian Journal of Infectious Diseases</i> , 2013 , 45, 953-6		1
144	Tacrine can suppress immune response to tularemia in BALB/c mouse model. <i>Journal of Applied Biomedicine</i> , 2013 , 11, 187-193	0.6	
143	Melatonin changes tularemia progression in a BALB/c mouse model. <i>African Journal of Pharmacy and Pharmacology</i> , 2013 , 7, 1917-1923	0.5	
142	Role of oxidative stress in infectious diseases. A review. <i>Folia Microbiologica</i> , 2013 , 58, 503-13	2.8	85
141	Impact of melatonin on immunity: a review. <i>Open Medicine (Poland)</i> , 2013 , 8, 369-376	2.2	6
140	An acetylcholinesterase-based chronoamperometric biosensor for fast and reliable assay of nerve agents. <i>Sensors</i> , 2013 , 13, 11498-506	3.8	28
139	Caffeine inhibits acetylcholinesterase, but not butyrylcholinesterase. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 9873-82	6.3	58
138	Sulfur mustard induced oxidative stress and its alteration using asoxime (HI-6). <i>Interdisciplinary Toxicology</i> , 2013 , 6, 198-202	2.3	7
137	Sulfur mustard causes oxidative stress and depletion of antioxidants in muscles, livers, and kidneys of Wistar rats. <i>Drug and Chemical Toxicology</i> , 2013 , 36, 270-6	2.3	28
136	Spectrophotometric Assay of Aflatoxin B1 Using Acetylcholinesterase Immobilized on Standard Microplates. <i>Analytical Letters</i> , 2013 , 46, 1306-1315	2.2	16

135	Butyrylcholinesterase as a biochemical marker. <i>Bratislava Medical Journal</i> , 2013 , 114, 726-34	1.7	30
134	Flavonoid profile of Saskatoon berries (<i>Amelanchier alnifolia</i> Nutt.) and their health promoting effects. <i>Molecules</i> , 2013 , 18, 12571-86	4.8	27
133	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
132	A resurrection of 7-MEOTA: a comparison with tacrine. <i>Current Alzheimer Research</i> , 2013 , 10, 893-906	3	76
131	Tacrine alters antibodies level in <i>Francisella tularensis</i> -infected mice. <i>Neuroendocrinology Letters</i> , 2013 , 34 Suppl 2, 134-7	0.3	
130	Electrochemistry of copper(II) induced complexes in mycorrhizal maize plant tissues. <i>Journal of Hazardous Materials</i> , 2012 , 203-204, 257-63	12.8	2
129	Effect of selenium in organic and inorganic form on liver, kidney, brain and muscle of Wistar rats. <i>Open Chemistry</i> , 2012 , 10, 1442-1451	1.6	6
128	Acute poisoning with sarin causes alteration in oxidative homeostasis and biochemical markers in Wistar rats. <i>Journal of Applied Biomedicine</i> , 2012 , 10, 187-193	0.6	9
127	Automated assay of the potency of natural antioxidants using pipetting robot and spectrophotometry. <i>Journal of Applied Biomedicine</i> , 2012 , 10, 155-167	0.6	13
126	Planar Ni(II) 1,2-dithiolenes involving tridentate P -donor ligands. <i>Journal of Coordination Chemistry</i> , 2012 , 65, 156-164	1.6	
125	The progress in the cholinesterase quantification methods. <i>Expert Opinion on Drug Discovery</i> , 2012 , 7, 1207-23	6.2	38
124	Acetylcholinesterase Based Dipsticks with Indoxylacetate as a Substrate for Assay of Organophosphates and Carbamates. <i>Analytical Letters</i> , 2012 , 45, 367-374	2.2	26
123	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
122	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
121	Toxicological scoring of Alzheimer's disease drug huperzine in a guinea pig model. <i>Toxicology Mechanisms and Methods</i> , 2012 , 22, 231-5	3.6	8
120	Acetylcholinesterase inhibitors: a patent review (2008 - present). <i>Expert Opinion on Therapeutic Patents</i> , 2012 , 22, 871-86	6.8	105
119	Tularemia progression accompanied with oxidative stress and antioxidant alteration in spleen and liver of BALB/c mice. <i>Journal of Microbiology</i> , 2012 , 50, 401-8	3	8
118	Alpha7 nicotinic acetylcholine receptor is a target in pharmacology and toxicology. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 2219-38	6.3	106

117	Ascorbic acid: an old player with a broad impact on body physiology including oxidative stress suppression and immunomodulation: a review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2012 , 12, 35-43	3.2	28
116	Antioxidants countermeasures against sulfur mustard. <i>Mini-Reviews in Medicinal Chemistry</i> , 2012 , 12, 742-8	3.2	27
115	Acetylcholine and an acetylcholinesterase inhibitor neostigmine can aggravate tularemia progress in BALB/c mice. <i>Interdisciplinary Toxicology</i> , 2012 , 5, 21-4	2.3	1
114	CARBAMATE INSECTICIDES IN THE CZECH REPUBLIC: HEALTH AND ENVIRONMENTAL IMPACTS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2012 , 81, 2-8	0.2	3
113	Galantamine effect on tularemia pathogenesis in a BALB/c mouse model. <i>Iranian Biomedical Journal</i> , 2012 , 16, 156-61	2	4
112	Melatonin influences antioxidant homeostasis and basal metabolism in the BALB/c mouse model. <i>Neuroendocrinology Letters</i> , 2012 , 33 Suppl 3, 183-9	0.3	2
111	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
110	Alzheimer's disease and related neurodegenerative disorders: implication and counteracting of melatonin. <i>Journal of Applied Biomedicine</i> , 2011 , 9, 185-196	0.6	41
109	Testicular toxicity of cyanobacterial biomass in Japanese quails. <i>Harmful Algae</i> , 2011 , 10, 612-618	5.3	11
108	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
107	Sulfur mustard induced oxidative stress and its alteration by epigallocatechin gallate. <i>Toxicology Letters</i> , 2011 , 201, 105-9	4.4	29
106	The ability of combinations of oximes to increase the reactivating and therapeutic efficacy of antidotal treatment of sarin poisoning in rats and mice. <i>Toxicology Letters</i> , 2011 , 205, S128	4.4	2
105	Metrifonate alters antioxidant levels and caspase activity in cerebral cortex of Wistar rats. <i>Toxicology Mechanisms and Methods</i> , 2011 , 21, 585-90	3.6	9
104	Progress in Antidotes (Acetylcholinesterase Reactivators) Against Organophosphorus Pesticides 2011 ,		1
103	Diagnosis of tularemia using biochemical, immunochemical and molecular methods: a review. <i>Veterinarni Medicina</i> , 2011 , 56, 453-461	0.7	4
102	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	
101	Macrophage-assisted inflammation and pharmacological regulation of the cholinergic anti-inflammatory pathway. <i>Current Medicinal Chemistry</i> , 2011 , 18, 539-51	4.3	17
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