Jan Misik

List of Publications by Year
in descending order

47	769	471509	552781
papers	citations	17 h-index	26 g-index

49	49	49	1144
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel tacrine-tryptophan hybrids: Multi-target directed ligands as potential treatment for Alzheimer's disease. European Journal of Medicinal Chemistry, 2019, 168, 491-514.	5.5	75
2	Novel biodegradable polydioxanone stents in a rabbit airway model. Journal of Thoracic and Cardiovascular Surgery, 2012, 143, 437-444.	0.8	59
3	Organophosphate hydrolases as catalytic bioscavengers of organophosphorus nerve agents. Toxicology Letters, 2011, 206, 14-23.	0.8	49
4	Acute toxicity of some nerve agents and pesticides in rats. Drug and Chemical Toxicology, 2015, 38, 32-36.	2.3	47
5	Nest Predation and Nest Defence in European and North American Woodpeckers: A Review. Annales Zoologici Fennici, 2009, 46, 361-379.	0.6	39
6	Monooximeâ€monocarbamoyl Bispyridinium Xyleneâ€Linked Reactivators of Acetylcholinesteraseâ€"Synthesis, In vitro and Toxicity Evaluation, and Docking Studies. ChemMedChem, 2010, 5, 247-254.	3.2	38
7	Self-expandable biodegradable biliary stents in porcine model. Journal of Surgical Research, 2015, 193, 606-612.	1.6	33
8	Orexin supplementation in narcolepsy treatment: A review. Medicinal Research Reviews, 2019, 39, 961-975.	10.5	31
9	Incidental poisoning of animals by carbamates in the Czech Republic. Journal of Applied Biomedicine, 2011, 9, 157-161.	1.7	27
10	In vitroskin permeation and decontamination of the organophosphorus pesticide paraoxon under various physical conditions â€“ evidence for a wash-in effect. Toxicology Mechanisms and Methods, 2012, 22, 520-525.	2.7	27
11	Development of 2-Methoxyhuprine as Novel Lead for Alzheimerâ€™s Disease Therapy. Molecules, 2017, 22, 1265.	3.8	26
12	Cholinesterase Inhibitor 6-Chlorotacrine - In Vivo Toxicological Profile and Behavioural Effects. Current Alzheimer Research, 2018, 15, 552-560.	1.4	26
13	Concentration of Donepezil in the Cerebrospinal Fluid of AD Patients: Evaluation of Dosage Sufficiency in Standard Treatment Strategy. Neurotoxicity Research, 2017, 31, 162-168.	2.7	23
14	Translation of in vitro to in vivo pyridinium oxime potential in tabun poisoning / Translacija uÄinkovitosti piridinijevih oksima kod trovanja tabunom iz in vitro sustava u in vivo primjenu. Arhiv Za Higijenu Rada I Toksikologiju, 2015, 66, 291-298.	0.7	21
15	The influence of combinations of oximes on the reactivating and therapeutic efficacy of antidotal treatment of tabun poisoning in rats and mice. Journal of Applied Toxicology, 2010, 30, 120-124.	2.8	20
16	Effects of novel tacrine-related cholinesterase inhibitors in the reversal of 3-quinuclidinyl benzilate-induced cognitive deficit in rats â€"Is there a potential for Alzheimerâ€™s disease treatment?. Neuroscience Letters, 2016, 612, 261-268.	2.1	20
17	Activity of cholinesterases in a young and healthy middle-European population: Relevance for toxicology, pharmacology and clinical praxis. Toxicology Letters, 2017, 277, 24-31.	0.8	20
18	The effects of novel 7-MEOTA-donepezil like hybrids and N-alkylated tacrine analogues in the treatment of quinuclidinyl benzilate-induced behavioural deficits in rats performing the multiple T-maze test. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2015, 159, 547-553.	0.6	17

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19	In vivodecontamination of the nerve agent VX using the domestic swine model. Clinical Toxicology, 2012, 50, 807-811.	1.9	14
20	The Concentration of Memantine in the Cerebrospinal Fluid of Alzheimerâ€™s Disease Patients and Its Consequence to Oxidative Stress Biomarkers. Frontiers in Pharmacology, 2019, 10, 943.	3.5	13
21	A comparison of cholinesterase inhibitors in the treatment of quinuclidinyl benzilate-induced behavioural deficit in rats performing the multiple T-maze. Journal of Applied Biomedicine, 2014, 12, 211-217.	1.7	12
22	Asoxime (HI-6) impact on dogs after one and tenfold therapeutic doses: Assessment of adverse effects, distribution, and oxidative stress. Environmental Toxicology and Pharmacology, 2011, 32, 75-81.	4.0	11
23	Cholinergic antagonist 3-quinuclidinyl benzilate â€“ Impact on learning and memory in Wistar rats. Behavioural Brain Research, 2014, 266, 193-200.	2.2	10
24	ACUTE TOXICITY OF SURFACTANTS AND DETERGENT-BASED DECONTAMINANTS IN MICE AND RATS. Military Medical Science Letters (Vojenske Zdravotnicke Listy), 2012, 81, 171-176.	0.5	9
25	Evaluation of Cholinesterase Activities During in Vivo Intoxication Using an Electrochemical Sensor Strip â€“ Correlation With Intoxication Symptoms. Sensors, 2009, 9, 3627-3634.	3.8	8
26	A Comparison of the Potency of a Novel Bispyridinium Oxime K203 and currently available Oximes (Obidoxime, HI-6) to Counteract the Acute Neurotoxicity of Sarin in Rats. Basic and Clinical Pharmacology and Toxicology, 2012, 111, n/a-n/a.	2.5	8
27	A comparison of decontamination effects of commercially available detergents in rats pre-exposed to topical sulphur mustard. Cutaneous and Ocular Toxicology, 2013, 32, 135-139.	1.3	8
28	The Evaluation of the Reactivating and Neuroprotective Efficacy of Two Newly Prepared Bispyridinium Oximes (K305, K307) in Tabun-Poisoned Ratsâ€”A Comparison with Trimedoxime and the Oxime K203. Molecules, 2017, 22, 1152.	3.8	8
29	In vitro skin decontamination of paraoxon â€“ wet-type cleansing effect of selected detergents. Cutaneous and Ocular Toxicology, 2018, 37, 77-83.	1.3	7
30	The benefit of combinations of oximes for the ability of antidotal treatment to counteract sarin-induced brain damage in rats. BMC Pharmacology & Toxicology, 2018, 19, 35.	2.4	7
31	METHOD OF STATIC DIFFUSION CELLS FOR ASSESSMENT OF PESTICIDES SKIN PERMEATION. Military Medical Science Letters (Vojenske Zdravotnicke Listy), 2011, 80, 46-51.	0.5	7
32	Percutaneous Toxicity and Decontamination of Soman, Vx, and Paraoxon in Rats Using Detergents. Arhiv Za Higijenu Rada I Toksikologiju, 2013, 64, 211-217.	0.7	6
33	Tacrine and its 7-methoxy derivate; time-change concentration in plasma and brain tissue and basic toxicological profile in rats. Drug and Chemical Toxicology, 2021, 44, 207-214.	2.3	6
34	Neuroprotective efficacy of newly developed oximes in comparison with currently available oximes in tabun-poisoned rats. Journal of Applied Biomedicine, 2015, 13, 39-46.	1.7	5
35	Pharmacological and toxicological in vitro and in vivo effect of higher doses of oxime reactivators. Toxicology and Applied Pharmacology, 2019, 383, 114776.	2.8	5
36	MILITARY INCAPACITATING AGENT BZ (3-QUINUCLIDINYL BENZILATE) - PAST, PRESENT AND FUTURE. Military Medical Science Letters (Vojenske Zdravotnicke Listy), 2013, 82, 115-119.	0.5	5

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37	Simple validated method of LCâ€“MS/MS determination of BZ agent in rat plasma samples. Drug Testing and Analysis, 2020, 12, 431-438.	2.6	4
38	IN VITRO SKIN PERMEATION OF DETERGENTS AND DETERGENT-BASED DECONTAMINATION MIXTURE. Military Medical Science Letters (Vojenske Zdravotnicke Listy), 2012, 81, 96-99.	0.5	4
39	Compensation for predator-induced reduction in nestling feeding rate in the Great Spotted Woodpecker. Journal of Ethology, 2012, 30, 167-172.	0.8	3
40	Evaluation of the Potency of Two Novel Bispyridinium Oximes (<scp>K</scp>456, <scp>K</scp>458) in Comparison with Oxime <scp>K</scp>203 and Trimedoxime to Counteract Tabunâ€Induced Neurotoxicity in Rats. Basic and Clinical Pharmacology and Toxicology, 2013, 113, 201-208.	2.5	2
41	Psychotomimetic agent BZ (3-quinuclidinyl benzilate). , 2020, , 203-213.		2
42	A comparison of neuroprotective efficacy of two novel reactivators of acetylcholinesterase called K920 and K923 with the oxime K203 and trimedoxime in tabun-poisoned rats. Toxicology Mechanisms and Methods, 2017, 27, 236-243.	2.7	1
43	Evaluation of soman-induced extracranial histopathology in the context of clinical biochemistry, mitotic and apoptotic activity and morphometric analysis. Journal of Applied Biomedicine, 2017, 15, 23-31.	1.7	1
44	Nest defence by woodpeckers from inside vs. outside the cavity against the intruder. Journal of Ethology, 0, , 1.	0.8	1
45	Uterine B-cell lymphoma in two dogs â€“ a case report. Acta Veterinaria Brno, 2017, 86, 195-198.	0.5	1
46	HI-6 TREATMENT DOES NOT REACTIVATE SARIN INHIBITED ACETYLCHOLINESTERASE ACTIVITY IN DOG BRAIN WHEN ADMINISTERED IN HUMAN THERAPEUTICAL DOSE 30 MINUTES AFTER THE POISONING. Military Medical Science Letters (Vojenske Zdravotnicke Listy), 2016, 85, 2-7.	0.5	0
47	Reactivation Potential of Novel More Lipophilic Pralidoxime Analogs. Letters in Drug Design and Discovery, 2018, 15, 822-827.	0.7	0