John H Mcdonough

List of Publications by Year
in descending order

40 papers	2,057 citations	430874 18 h-index	315739 38 g-index
40 all docs	40 docs citations	40 times ranked	797 citing authors

#	Article	IF	Citations
1	Neuropharmacological Mechanisms of Nerve Agent-induced Seizure and Neuropathology 1 1The animals used in studies performed in, or sponsored by, this Institute were handled in accordance with the principles stated in the Guide for the Care and Use of Laboratory Animals, proposed by the Committee on Care and Use of Laboratory Animals of the Institute of Laboratory Animal Resources, National Research Council, DHHA National Institute of Health Publication #85â€"23, 1985, and the Animal Welfare Act of 1966, as amended. Ne[illegible] Biobehavioral Reviews, 1997, 21, 559-579.	6.1	504
2	Control of nerve agent-induced seizures is critical for neuroprotection and survivalâ˜† â˜†The animals used in these studies were handled in accordance with the principles stated in the Guide for the Care and Use of Laboratory Animals, proposed by the Committee to Revise the Care and Use of Laboratory Animals of the Institute of Laboratory Animal Resources, National Research Council, and published by National Academy Press, 1996, and the Animal Welfare Act of 1966, as amended. The opinions or assertions contain. Toxicology and Applied Pharmacology, 2003, 188, 69-80.	2.8	259
3	Pharmacological modulation of soman-induced seizures. Neuroscience and Biobehavioral Reviews, 1993, 17, 203-215.	6.1	193
4	Neurochemical Mechanisms in Soman-induced Seizures. , 1997, 17, 255-264.		147
5	Anticonvulsant treatment of nerve agent seizures: anticholinergics versus diazepam in soman-intoxicated guinea pigs. Epilepsy Research, 1999, 38, 1-14.	1.6	138
6	Organophosphorus Nerve Agents-Induced Seizures and Efficacy of Atropine Sulfate as Anticonvulsant Treatment. Pharmacology Biochemistry and Behavior, 1999, 64, 147-153.	2.9	107
7	Anticonvulsants for soman-induced seizure activity. Journal of Biomedical Science, 1999, 6, 86-96.	7.0	82
8	Anticonvulsants for Nerve Agent-Induced Seizures: The Influence of the Therapeutic Dose of Atropine. Journal of Pharmacology and Experimental Therapeutics, 2007, 320, 154-161.	2.5	81
9	Time-dependent reduction in the anticonvulsant effectiveness of diazepam against soman-induced seizures in guinea pigs. Drug and Chemical Toxicology, 2010, 33, 279-283.	2.3	66
10	Comparison of the Intramuscular, Intranasal or Sublingual Routes of Midazolam Administration for the Control of Somanâ€Induced Seizures*. Basic and Clinical Pharmacology and Toxicology, 2009, 104, 27-34.	2.5	36
11	Evaluation of nine oximes on in vivo reactivation of blood, brain, and tissue cholinesterase activity inhibited by organophosphorus nerve agents at lethal dose. Toxicology Mechanisms and Methods, 2009, 19, 386-400.	2.7	34
12	Protection Against Sarin-Induced Seizures in Rats by Direct Brain Microinjection of Scopolamine, Midazolam or MK-801. Journal of Molecular Neuroscience, 2010, 40, 56-62.	2.3	34
13	Age-related differences in soman toxicity and in blood and brain regional cholinesterase activity. Brain Research Bulletin, 1990, 24, 429-436.	3.0	32
14	Probing the activity of a non-oxime reactivator for acetylcholinesterase inhibited by organophosphorus nerve agents. Chemico-Biological Interactions, 2016, 259, 133-141.	4.0	32
15	The oxime pro-2-PAM provides minimal protection against the CNS effects of the nerve agents sarin, cyclosarin, and VX in guinea pigs. Toxicology Mechanisms and Methods, 2011, 21, 53-62.	2.7	31
16	The synthetic neuroactive steroid SGE-516 reduces status epilepticus and neuronal cell death in a rat model of soman intoxication. Epilepsy and Behavior, 2017, 68, 22-30.	1.7	23
17	Age-dependent behaviors, seizure severity and neuronal damage in response to nerve agents or the organophosphate DFP in immature and adult rats. NeuroToxicology, 2018, 66, 10-21.	3.0	22
18	Performance Impacts of Nerve Agents and Their Pharmacological Countermeasures. Military Psychology, 2002, 14, 93-119.	1.1	20

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19	Dexmedetomidine stops benzodiazepine-refractory nerve agent-induced status epilepticus. Epilepsy Research, 2018, 141, 1-12.	1.6	20
20	Anticonvulsant discovery through animal models of status epilepticus induced by organophosphorus nerve agents and pesticides. Annals of the New York Academy of Sciences, 2016, 1374, 144-150.	3.8	18
21	Validating a model of benzodiazepine refractory nerve agent-induced status epilepticus by evaluating the anticonvulsant and neuroprotective effects of scopolamine, memantine, and phenobarbital. Journal of Pharmacological and Toxicological Methods, 2019, 97, 1-12.	0.7	17
22	Screening for Efficacious Anticonvulsants and Neuroprotectants in Delayed Treatment Models of Organophosphate-induced Status Epilepticus. Neuroscience, 2020, 425, 280-300.	2.3	17
23	Neuropharmacological specificity of brain structures involved in soman-induced seizures. NeuroToxicology, 2012, 33, 463-468.	3.0	16
24	Effects of Fosphenytoin on Nerve Agentâ€InducedStatus epilepticus. Drug and Chemical Toxicology, 2005, 27, 27-39.	2.3	15
25	(-)-Phenserine Attenuates Soman-Induced Neuropathology. PLoS ONE, 2014, 9, e99818.	2.5	14
26	Comparison of neuropathology in rats following status epilepticus induced by diisopropylfluorophosphate and soman. NeuroToxicology, 2021, 83, 14-27.	3.0	14
27	Atropine and Other Anticholinergic Drugs. , 0, , 287-303.		13
28	The Toxicity of Soman in the African Green Monkey (<i>Chlorocebus aethiops</i>). Toxicology Mechanisms and Methods, 2007, 17, 255-264.	2.7	11
29	Enaminone Modulators of Extrasynaptic Î±4Î²3Î´ Î³-Aminobutyric AcidA Receptors Reverse Electrographic Status Epilepticus in the Rat After Acute Organophosphorus Poisoning. Frontiers in Pharmacology, 2019, 10, 560.	3.5	11
30	Comparative efficacy of valnoctamide and sec â€butylpropylacetamide (SPD) in terminating nerve agentâ€“induced seizures in pediatric rats. Epilepsia, 2019, 60, 315-321.	5.1	9
31	Characterization and treatment of spontaneous recurrent seizures following nerve agent-induced status epilepticus in mice. Epilepsy Research, 2020, 162, 106320.	1.6	8
32	Plasma Concentration of Meloxicam in Pediatric Rats. Journal of the American Association for Laboratory Animal Science, 2017, 56, 762-767.	1.2	6
33	Assessment of mouse strain differences in baseline esterase activities and toxic response to sarin. Toxicology, 2018, 410, 10-15.	4.2	5
34	Evaluating mice lacking serum carboxylesterase as a behavioral model for nerve agent intoxication. Toxicology Mechanisms and Methods, 2018, 28, 563-572.	2.7	5
35	Behavioral, Pharmacokinetic, and Cardiovascular Evaluation of Candidate Oximes in African Green Monkeys. International Journal of Toxicology, 2018, 37, 352-363.	1.2	4
36	Anticonvulsant effectiveness of scopolamine against soman-induced seizures in African green monkeys. Drug and Chemical Toxicology, 2022, 45, 2185-2192.	2.3	4

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37	The role of genetic background in susceptibility to chemical warfare nerve agents across rodent and non-human primate models. Toxicology, 2018, 393, 51-61.	4.2	3
38	Evaluation of first-line anticonvulsants to treat nerve agent-induced seizures and prevent neuropathology in adult and pediatric rats. NeuroToxicology, 2019, 74, 203-208.	3.0	3
39	The Kv7 Modulator, Retigabine, is an Efficacious Antiseizure Drug for Delayed Treatment of Organophosphate-induced Status Epilepticus. Neuroscience, 2021, 463, 143-158.	2.3	2
40	Evaluation of fosphenytoin, levetiracetam, and propofol as treatments for nerve agent-induced seizures in pediatric and adult rats. NeuroToxicology, 2020, 79, 58-66.	3.0	1