Tsung-Ming Shih

List of Publications by Year
in descending order

46 papers	2,768 citations	279798 23 h-index	254184 43 g-index
46 all docs	46 docs citations	46 times ranked	912 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 #85 [illegible] 1985, and the Animal Welfare Act of 1966, as amended. Ne[illegible] Biobehavioral Reviews, 1987, [illegible]	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	Time course effects of soman on acetylcholine and choline levels in six discrete areas of the rat brain. Psychopharmacology, 1982, 78, 170-175.	3.1	141
6	Anticonvulsant treatment of nerve agent seizures: anticholinergics versus diazepam in soman-intoxicated guinea pigs. Epilepsy Research, 1999, 38, 1-14.	1.6	138
7	Anticonvulsants for Soman-Induced Seizure Activity¹. Journal of Biomedical Science, 1999, 6, 86-96.	7.0	121
8	Organophosphorus Nerve Agents-Induced Seizures and Efficacy of Atropine Sulfate as Anticonvulsant Treatment. Pharmacology Biochemistry and Behavior, 1999, 64, 147-153.	2.9	107
9	Comparative evaluation of benzodiazepines for control of soman-induced seizures. Archives of Toxicology, 1999, 73, 473-478.	4.2	105
10	A study of the N-methyl-D-aspartate antagonistic properties of anticholinergic drugs. Pharmacology Biochemistry and Behavior, 1995, 51, 249-253.	2.9	85
11	Anticonvulsants for soman-induced seizure activity. Journal of Biomedical Science, 1999, 6, 86-96.	7.0	82
12	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
13	Anticonvulsant effects of diazepam and MK-801 in soman poisoning. Epilepsy Research, 1990, 7, 105-116.	1.6	80
14	Anticonvulsant Actions of Anticholinergic Drugs in Soman Poisoning. Epilepsia, 1991, 32, 604-615.	5.1	77
15	In vivo cholinesterase inhibitory specificity of organophosphorus nerve agents. Chemico-Biological Interactions, 2005, 157-158, 293-303.	4.0	76
16	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
17	In vivo reactivation by oximes of inhibited blood, brain and peripheral tissue cholinesterase activity following exposure to nerve agents in guinea pigs. Chemico-Biological Interactions, 2010, 187, 207-214.	4.0	55
18	Reactivation of brain acetylcholinesterase by monoisonitrosoacetone increases the therapeutic efficacy against nerve agents in guinea pigs. Chemico-Biological Interactions, 2010, 187, 318-324.	4.0	51

#	Article	IF	Citations
19	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
20	Treatment with Tertiary Oximes Prevents Seizures and Improves Survival Following Sarin Intoxication. Journal of Molecular Neuroscience, 2010, 40, 63-69.	2.3	36
21	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
22	Age-related differences in soman toxicity and in blood and brain regional cholinesterase activity. Brain Research Bulletin, 1990, 24, 429-436.	3.0	32
23	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
24	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
25	Zebrafish as a model for acetylcholinesteraseâ€inhibiting organophosphorus agent exposure and oxime reactivation. Annals of the New York Academy of Sciences, 2016, 1374, 68-77.	3.8	23
26	Development of a Guinea Pig Model for Low-Dose, Long-Term Exposure to Organophosphorus Nerve Agents. Toxicology Mechanisms and Methods, 2004, 14, 183-194.	2.7	21
27	In vivo microdialysis and electroencephalographic activity in freely moving guinea pigs exposed to organophosphorus nerve agents sarin and VX: analysis of acetylcholine and glutamate. Archives of Toxicology, 2011, 85, 1607-1616.	4.2	19
28	Evaluation of Anticonvulsant Drugs for Soman-Induced Seizure Activity. International Journal of Toxicology, 1996, 15, 43-60.	1.2	19
29	Neuropharmacological specificity of brain structures involved in soman-induced seizures. NeuroToxicology, 2012, 33, 463-468.	3.0	16
30	Evaluation of acetylcholine, seizure activity and neuropathology following high-dose nerve agent exposure and delayed neuroprotective treatment drugs in freely moving rats. Toxicology Mechanisms and Methods, 2016, 26, 378-388.	2.7	16
31	Atropine and Other Anticholinergic Drugs. , 0, , 287-303.		13
32	Stimulation of central A1 adenosine receptors suppresses seizure and neuropathology in a soman nerve agent seizure rat model. Toxicology Mechanisms and Methods, 2014, 24, 385-395.	2.7	11
33	Effects of 4-pyridine aldoxime on nerve agent-inhibited acetylcholinesterase activity in guinea pigs. Archives of Toxicology, 2009, 83, 1083-1089.	4.2	7
34	Changes in extracellular striatal acetylcholine and brain seizure activity following acute exposure to nerve agents in freely moving guinea pigs. Toxicology Mechanisms and Methods, 2010, 20, 143-152.	2.7	7
35	Mechanisms of acetylcholinesterase protection against sarin and soman by adenosine A1 receptor agonist N6-cyclopentyladenosine. Computational Biology and Chemistry, 2018, 75, 74-81.	2.3	7
36	Cerebral acetylcholine and choline contents and turnover following low-dose acetylcholinesterase inhibitors treatment in rats. Archives of Toxicology, 2006, 80, 761-767.	4.2	6

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37	Comparison of extracellular striatal acetylcholine and brain seizure activity following acute exposure to the nerve agents cyclosarin and tabun in freely moving guinea pigs. Toxicology Mechanisms and Methods, 2010, 20, 600-608.	2.7	6
38	Comparative effects of scopolamine and phencynonate on organophosphorus nerve agent-induced seizure activity, neuropathology and lethality. Toxicology Mechanisms and Methods, 2019, 29, 322-333.	2.7	6
39	Development of a Larval Zebrafish Model for Acute Organophosphorus Nerve Agent and Pesticide Exposure and Therapeutic Evaluation. Toxics, 2020, 8, 106.	3.7	6
40	Scanning cytophotometric analysis of myocardial nucleic acid and chromatin changes in soman toxicated rabbits. Cell Biochemistry and Function, 1984, 2, 237-242.	2.9	4
41	Evaluation of adenosine A1 receptor agonists as neuroprotective countermeasures against Soman intoxication in rats. Toxicology and Applied Pharmacology, 2021, 416, 115466.	2.8	4
42	In Vivo Evaluation of A1 Adenosine Agonists as Novel Anticonvulsant Medical Countermeasures to Nerve Agent Intoxication in a Rat Soman Seizure Model. Neurotoxicity Research, 2019, 36, 323-333.	2.7	3
43	Soman-induced toxicity, cholinesterase inhibition and neuropathology in adult male GÃ¶ttingen minipigs. Toxicology Reports, 2021, 8, 896-907.	3.3	3
44	Intramuscularly administered A1 adenosine receptor agonists as delayed treatment for organophosphorus nerve agent-induced Status Epilepticus. Toxicology and Applied Pharmacology, 2021, 419, 115515.	2.8	1
45	Neurochemical Mechanisms in Somanâ€induced Seizures. Journal of Applied Toxicology, 1997, 17, 255-264.	2.8	1
46	The tertiary oxime monoisonitrosoacetone penetrates the brain, reactivates inhibited acetylcholinesterase, and reduces mortality and morbidity following lethal sarin intoxication in guinea pigs. Toxicology and Applied Pharmacology, 2021, 415, 115443.	2.8	0