

Tsung-Ming Shih

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.

46
papers

2,440
citations

24
h-index

46
g-index

46
ext. papers

2,548
ext. citations

4.8
avg. IF

4.85
L-index

#	Paper	IF	Citations
46	The tertiary oxime monoisonitrosoacetone penetrates the brain, reactivates inhibited acetylcholinesterase, and reduces mortality and morbidity following lethal sarin intoxication in guinea pigs. <i>Toxicology and Applied Pharmacology</i> , 2021 , 415, 115443	4.6	
45	Evaluation of adenosine A1 receptor agonists as neuroprotective countermeasures against Soman intoxication in rats. <i>Toxicology and Applied Pharmacology</i> , 2021 , 416, 115466	4.6	2
44	Intramuscularly administered A1 adenosine receptor agonists as delayed treatment for organophosphorus nerve agent-induced Status Epilepticus. <i>Toxicology and Applied Pharmacology</i> , 2021 , 419, 115515	4.6	
43	Soman-induced toxicity, cholinesterase inhibition and neuropathology in adult male Göttingen minipigs. <i>Toxicology Reports</i> , 2021 , 8, 896-907	4.8	2
42	Development of a Larval Zebrafish Model for Acute Organophosphorus Nerve Agent and Pesticide Exposure and Therapeutic Evaluation. <i>Toxics</i> , 2020 , 8,	4.7	2
41	In Vivo Evaluation of A1 Adenosine Agonists as Novel Anticonvulsant Medical Countermeasures to Nerve Agent Intoxication in a Rat Soman Seizure Model. <i>Neurotoxicity Research</i> , 2019 , 36, 323-333	4.3	2
40	Comparative effects of scopolamine and phencyonate on organophosphorus nerve agent-induced seizure activity, neuropathology and lethality. <i>Toxicology Mechanisms and Methods</i> , 2019 , 29, 322-333	3.6	5
39	Mechanisms of acetylcholinesterase protection against sarin and soman by adenosine A receptor agonist N-cyclopentyladenosine. <i>Computational Biology and Chemistry</i> , 2018 , 75, 74-81	3.6	4
38	Zebrafish as a model for acetylcholinesterase-inhibiting organophosphorus agent exposure and oxime reactivation. <i>Annals of the New York Academy of Sciences</i> , 2016 , 1374, 68-77	6.5	17
37	Probing the activity of a non-oxime reactivator for acetylcholinesterase inhibited by organophosphorus nerve agents. <i>Chemico-Biological Interactions</i> , 2016 , 259, 133-141	5	24
36	Evaluation of acetylcholine, seizure activity and neuropathology following high-dose nerve agent exposure and delayed neuroprotective treatment drugs in freely moving rats. <i>Toxicology Mechanisms and Methods</i> , 2016 , 26, 378-88	3.6	13
35	Stimulation of central A1 adenosine receptors suppresses seizure and neuropathology in a soman nerve agent seizure rat model. <i>Toxicology Mechanisms and Methods</i> , 2014 , 24, 385-95	3.6	10
34	Neuropharmacological specificity of brain structures involved in soman-induced seizures. <i>NeuroToxicology</i> , 2012 , 33, 463-8	4.4	16
33	In vivo microdialysis and electroencephalographic activity in freely moving guinea pigs exposed to organophosphorus nerve agents sarin and VX: analysis of acetylcholine and glutamate. <i>Archives of Toxicology</i> , 2011 , 85, 1607-16	5.8	16
32	The oxime pro-2-PAM provides minimal protection against the CNS effects of the nerve agents sarin, cyclosarin, and VX in guinea pigs. <i>Toxicology Mechanisms and Methods</i> , 2011 , 21, 53-62	3.6	26
31	Changes in extracellular striatal acetylcholine and brain seizure activity following acute exposure to nerve agents in freely moving guinea pigs. <i>Toxicology Mechanisms and Methods</i> , 2010 , 20, 143-52	3.6	6
30	Time-dependent reduction in the anticonvulsant effectiveness of diazepam against soman-induced seizures in guinea pigs. <i>Drug and Chemical Toxicology</i> , 2010 , 33, 279-83	2.3	54

29	Comparison of extracellular striatal acetylcholine and brain seizure activity following acute exposure to the nerve agents cyclosarin and tabun in freely moving guinea pigs. <i>Toxicology Mechanisms and Methods</i> , 2010 , 20, 600-8	3.6	6
28	Treatment with tertiary oximes prevents seizures and improves survival following sarin intoxication. <i>Journal of Molecular Neuroscience</i> , 2010 , 40, 63-9	3.3	28
27	In vivo reactivation by oximes of inhibited blood, brain and peripheral tissue cholinesterase activity following exposure to nerve agents in guinea pigs. <i>Chemico-Biological Interactions</i> , 2010 , 187, 207-14	5	47
26	Reactivation of brain acetylcholinesterase by monoisonitrosoacetone increases the therapeutic efficacy against nerve agents in guinea pigs. <i>Chemico-Biological Interactions</i> , 2010 , 187, 318-24	5	48
25	Evaluation of nine oximes on in vivo reactivation of blood, brain, and tissue cholinesterase activity inhibited by organophosphorus nerve agents at lethal dose. <i>Toxicology Mechanisms and Methods</i> , 2009 , 19, 386-400	3.6	34
24	Effects of 4-pyridine aldoxime on nerve agent-inhibited acetylcholinesterase activity in guinea pigs. <i>Archives of Toxicology</i> , 2009 , 83, 1083-9	5.8	7
23	Comparison of the intramuscular, intranasal or sublingual routes of midazolam administration for the control of soman-induced seizures. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009 , 104, 27-34	3.1	34
22	Anticonvulsants for nerve agent-induced seizures: The influence of the therapeutic dose of atropine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 320, 154-61	4.7	76
21	Cerebral acetylcholine and choline contents and turnover following low-dose acetylcholinesterase inhibitors treatment in rats. <i>Archives of Toxicology</i> , 2006 , 80, 761-7	5.8	5
20	In vivo cholinesterase inhibitory specificity of organophosphorus nerve agents. <i>Chemico-Biological Interactions</i> , 2005 , 157-158, 293-303	5	70
19	Development of a Guinea pig model for low-dose, long-term exposure to organophosphorus nerve agents. <i>Toxicology Mechanisms and Methods</i> , 2004 , 14, 183-94	3.6	18
18	Control of nerve agent-induced seizures is critical for neuroprotection and survival. <i>Toxicology and Applied Pharmacology</i> , 2003 , 188, 69-80	4.6	231
17	Anticonvulsant treatment of nerve agent seizures: anticholinergics versus diazepam in soman-intoxicated guinea pigs. <i>Epilepsy Research</i> , 2000 , 38, 1-14	3	116
16	Comparative evaluation of benzodiazepines for control of soman-induced seizures. <i>Archives of Toxicology</i> , 1999 , 73, 473-8	5.8	87
15	Anticonvulsants for soman-induced seizure activity. <i>Journal of Biomedical Science</i> , 1999 , 6, 86-96	13.3	55
14	Organophosphorus nerve agents-induced seizures and efficacy of atropine sulfate as anticonvulsant treatment. <i>Pharmacology Biochemistry and Behavior</i> , 1999 , 64, 147-53	3.9	95
13	Anticonvulsants for Soman-Induced Seizure Activity1. <i>Journal of Biomedical Science</i> , 1999 , 6, 86-96	13.3	111
12	Neuropharmacological mechanisms of nerve agent-induced seizure and neuropathology. <i>Neuroscience and Biobehavioral Reviews</i> , 1997 , 21, 559-79	9	458

11	Neurochemical mechanisms in soman-induced seizures. <i>Journal of Applied Toxicology</i> , 1997 , 17, 255-64	4.1	132
10	Neurochemical Mechanisms in Soman-induced Seizures 1997 , 17, 255		1
9	Evaluation of Anticonvulsant Drugs for Soman-Induced Seizure Activity. <i>International Journal of Toxicology</i> , 1996 , 15, 43-60	2.4	16
8	A study of the N-methyl-D-aspartate antagonistic properties of anticholinergic drugs. <i>Pharmacology Biochemistry and Behavior</i> , 1995 , 51, 249-53	3.9	74
7	Pharmacological modulation of soman-induced seizures. <i>Neuroscience and Biobehavioral Reviews</i> , 1993 , 17, 203-15	9	176
6	Anticonvulsant actions of anticholinergic drugs in soman poisoning. <i>Epilepsia</i> , 1991 , 32, 604-15	6.4	73
5	Anticonvulsant effects of diazepam and MK-801 in soman poisoning. <i>Epilepsy Research</i> , 1990 , 7, 105-16	3	75
4	Age-related differences in soman toxicity and in blood and brain regional cholinesterase activity. <i>Brain Research Bulletin</i> , 1990 , 24, 429-36	3.9	31
3	Scanning cytophotometric analysis of myocardial nucleic acid and chromatin changes in soman toxicated rabbits. <i>Cell Biochemistry and Function</i> , 1984 , 2, 237-42	4.2	2
2	Time course effects of soman on acetylcholine and choline levels in six discrete areas of the rat brain. <i>Psychopharmacology</i> , 1982 , 78, 170-5	4.7	126
1	Atropine and Other Anticholinergic Drugs 287-303		9