Frederic Dorandeu

List of Publications by Year in Descending Order

46 papers	1,150 citations	19 h-index	33 g-index
50 ext. papers	1,236 ext. citations	4.1 avg, IF	3.64 L-index

#	Paper	IF	Citations
46	Interdependent Factors of Demand-Side Rationale for Chemical, Biological, Radiological, and Nuclear Medical Countermeasures. *Disaster Medicine and Public Health Preparedness*, **2020**, 14, 739-755	2.8	
45	Electro-behavioral phenotype and cell injury following exposure to paraoxon-ethyl in mice: Effect of the genetic background. *Chemico-Biological Interactions*, **2018**, 290, 119-125	5	1
44	Cognitive and emotional impairments after cutaneous intoxication by CEES (a sulfur mustard analog) in mice. *Toxicology Letters*, **2018**, 293, 73-76	4.4	3
43	Superior efficacy of HI-6 dimethanesulfonate over pralidoxime methylsulfate against Russian VX poisoning in cynomolgus monkeys (Macaca fascicularis). *Toxicology*, **2018**, 410, 96-105	4.4	3
42	Use of IFCC guidelines to verify acetylcholinesterase reference interval in adults determined with ChE check mobile testing system. *Clinical Chemistry and Laboratory Medicine*, **2017**, 55, e268-e270	5.9	
41	Strengthening the Cost Effectiveness of Medical Countermeasure Development Against Rare Biological Threats: The Ebola Outbreak. *Pharmaceutical Medicine*, **2017**, 31, 423-436	2.3	1
40	Models of Chemically-Induced Acute Seizures and Epilepsy: Toxic Compounds and Drugs of Addiction **2017**, 529-551		1
39	Modeling and simulation of organophosphate-induced neurotoxicity: Prediction and validation by experimental studies. *NeuroToxicology*, **2016**, 54, 140-152	4.4	19
38	Beneficial effects of a ketamine/atropine combination in soman-poisoned rats under a neutral thermal environment. *NeuroToxicology*, **2015**, 50, 10-9	4.4	7
37	Time course of lewisite-induced skin lesions and inflammatory response in the SKH-1 hairless mouse model. *Wound Repair and Regeneration*, **2014**, 22, 272-80	3.6	15
36	Topical efficacy of dimercapto-chelating agents against lewisite-induced skin lesions in SKH-1 hairless mice. *Toxicology and Applied Pharmacology*, **2013**, 272, 291-8	4.6	18
35	Ketamine combinations for the field treatment of soman-induced self-sustaining status epilepticus. Review of current data and perspectives. *Chemico-Biological Interactions*, **2013**, 203, 154-9	5	30
34	Treatment of status epilepticus with ketamine, are we there yet?. *CNS Neuroscience and Therapeutics*, **2013**, 19, 411-27	6.8	47
33	Combinations of ketamine and atropine are neuroprotective and reduce neuroinflammation after a toxic status epilepticus in mice. *Toxicology and Applied Pharmacology*, **2012**, 259, 195-209	4.6	41
32	A new use for an old method: the Woelcke myelin stain for counting degenerating neurons in the brain of mice following status epilepticus. *NeuroToxicology*, **2012**, 33, 789-95	4.4	1
31	Prediction of neuroprotective treatment efficiency using a HRMAS NMR-based statistical model of refractory status epilepticus on mouse: a metabolomic approach supported by histology. *Journal of Proteome Research*, **2012**, 11, 3782-95	5.6	14
30	Cyclooxygenase-2 contributes to VX-induced cell death in cultured cortical neurons. *Toxicology Letters*, **2012**, 210, 71-7	4.4	1

29	Ketamine does not impair heat tolerance in rats. *European Journal of Pharmacology*, **2012**, 691, 77-85	5.3	4
28	In vitro and in vivo efficacy of PEGylated diisopropyl fluorophosphatase (DFPase). *Drug Testing and Analysis*, **2012**, 4, 262-70	3.5	14
27	Inflammatory changes during epileptogenesis and spontaneous seizures in a mouse model of mesiotemporal lobe epilepsy. *Epilepsia*, **2011**, 52, 2315-25	6.4	95
26	Selection of reference genes for real-time quantitative reverse transcription-polymerase chain reaction in hippocampal structure in a murine model of temporal lobe epilepsy with focal seizures. *Journal of Neuroscience Research*, **2010**, 88, 1000-8	4.4	40
25	Hypertonic mannitol in mice poisoned by a convulsive dose of soman: antilethal activity without neuroprotection. *Toxicology*, **2010**, 268, 78-88	4.4	3
24	Prediction of soman-induced cerebral damage by distortion product otoacoustic emissions. *Toxicology*, **2010**, 277, 38-48	4.4	1
23	Re: Therapy against organophosphate poisoning: the importance of anticholinergic drugs with antiglutamatergic properties (Toxicol. Appl. Pharmacol. 232, 351-358, 2008). *Toxicology and Applied Pharmacology*, **2009**, 238, 188; author reply 189	4.6	1
22	Intrahippocampal cholinesterase inhibition induces epileptogenesis in mice without evidence of neurodegenerative events. *Neuroscience*, **2009**, 162, 1351-65	3.9	17
21	Light puncture robot for CT and MRI interventions: designing a new robotic architecture to perform abdominal and thoracic punctures. *IEEE Engineering in Medicine and Biology Magazine*, **2008**, 27, 42-50		51
20	Hyperosmolar treatment of soman-induced brain lesions in mice: evaluation of the effects through diffusion-weighted magnetic resonance imaging and through histology. *Toxicology*, **2008**, 253, 97-103	4.4	13
19	Distortion product otoacoustic emissions as non-invasive biomarkers and predictors of soman-induced central neurotoxicity: a preliminary study. *Toxicology*, **2007**, 238, 119-29	4.4	4
18	Development and application of procedures for the highly sensitive quantification of cyclosarin enantiomers in hemolysed swine blood samples. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2007**, 859, 9-15	3.2	30
17	Cerebral edema induced in mice by a convulsive dose of soman. Evaluation through diffusion-weighted magnetic resonance imaging and histology. *Toxicology and Applied Pharmacology*, **2007**, 220, 125-37	4.6	34
16	Protective effects of S+ ketamine and atropine against lethality and brain damage during soman-induced status epilepticus in guinea-pigs. *Toxicology*, **2007**, 234, 185-93	4.4	39
15	Prolonged inflammatory gene response following soman-induced seizures in mice. *Toxicology*, **2007** , 238, 166-76	4.4	100
14	Soman-induced convulsions: the neuropathology revisited. *Toxicology*, **2005**, 215, 1-24	4.4	95
13	Efficacy of the ketamine-atropine combination in the delayed treatment of soman-induced status epilepticus. *Brain Research*, **2005**, 1051, 164-75	3.7	58
12	Flunarizine: a possible adjuvant medication against soman poisoning?. *Drug and Chemical Toxicology* , **2004**, 27, 213-31	2.3	6

11	Neuroprotective and antiepileptic activities of ketamine in nerve agent poisoning. *Anesthesiology*, **2003**, 98, 1517; author reply 1517-8	4.3	13
10	Early changes in MAP2 protein in the rat hippocampus following soman intoxication. *Drug and Chemical Toxicology*, **2003**, 26, 219-29	2.3	
9	Inhibition of crotoxin phospholipase A(2) activity by manoalide associated with inactivation of crotoxin toxicity and dissociation of the heterodimeric neurotoxic complex. *Biochemical Pharmacology*, **2002**, 63, 755-61	6	14
8	Subchronic administration of pyridostigmine or huperzine to primates: compared efficacy against soman toxicity. *Drug and Chemical Toxicology*, **2002**, 25, 309-20	2.3	23
7	Review of the value of huperzine as pretreatment of organophosphate poisoning. *NeuroToxicology*, **2002**, 23, 1-5	4.4	86
6	Acute exposure to a low or mild dose of soman: biochemical, behavioral and histopathological effects. *Pharmacology Biochemistry and Behavior*, **2001**, 69, 561-9	3.9	36
5	Delta activity as an early indicator for soman-induced brain damage: a review. *NeuroToxicology*, **2001**, 22, 299-315	4.4	33
4	Subchronic administration of various pretreatments of nerve agent poisoning. I. Protection of blood and central cholinesterases, innocuousness towards blood-brain barrier permeability. *Drug and Chemical Toxicology*, **2001**, 24, 151-64	2.3	16
3	Subchronic administration of various pretreatments of nerve agent poisoning. II. Compared efficacy against soman toxicity. *Drug and Chemical Toxicology*, **2001**, 24, 165-80	2.3	21
2	Medical management of organophosphate-induced seizures. *Journal of Physiology (Paris)*, **1998**, 92, 369-73		66
1	Secreted phospholipase A2-induced neurotoxicity and epileptic seizures after intracerebral administration: an unexplained heterogeneity as emphasized with paradoxin and crotoxin. *Journal of Neuroscience Research*, **1998**, 54, 848-62	4.4	20