

Frederic Dorandeu

List of Publications by Citations

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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

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	Prolonged inflammatory gene response following soman-induced seizures in mice. <i>Toxicology</i> , 2007 , 238, 166-76	4.4	100
45	Inflammatory changes during epileptogenesis and spontaneous seizures in a mouse model of mesiotemporal lobe epilepsy. <i>Epilepsia</i> , 2011 , 52, 2315-25	6.4	95
44	Soman-induced convulsions: the neuropathology revisited. <i>Toxicology</i> , 2005 , 215, 1-24	4.4	95
43	Review of the value of huperzine as pretreatment of organophosphate poisoning. <i>NeuroToxicology</i> , 2002 , 23, 1-5	4.4	86
42	Medical management of organophosphate-induced seizures. <i>Journal of Physiology (Paris)</i> , 1998 , 92, 369-73		66
41	Efficacy of the ketamine-atropine combination in the delayed treatment of soman-induced status epilepticus. <i>Brain Research</i> , 2005 , 1051, 164-75	3.7	58
40	Light puncture robot for CT and MRI interventions: designing a new robotic architecture to perform abdominal and thoracic punctures. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2008 , 27, 42-50		51
39	Treatment of status epilepticus with ketamine, are we there yet?. <i>CNS Neuroscience and Therapeutics</i> , 2013 , 19, 411-27	6.8	47
38	Combinations of ketamine and atropine are neuroprotective and reduce neuroinflammation after a toxic status epilepticus in mice. <i>Toxicology and Applied Pharmacology</i> , 2012 , 259, 195-209	4.6	41
37	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. <i>Journal of Neuroscience Research</i> , 2010 , 88, 1000-8	4.4	40
36	Protective effects of S+ ketamine and atropine against lethality and brain damage during soman-induced status epilepticus in guinea-pigs. <i>Toxicology</i> , 2007 , 234, 185-93	4.4	39
35	Acute exposure to a low or mild dose of soman: biochemical, behavioral and histopathological effects. <i>Pharmacology Biochemistry and Behavior</i> , 2001 , 69, 561-9	3.9	36
34	Cerebral edema induced in mice by a convulsive dose of soman. Evaluation through diffusion-weighted magnetic resonance imaging and histology. <i>Toxicology and Applied Pharmacology</i> , 2007 , 220, 125-37	4.6	34
33	Delta activity as an early indicator for soman-induced brain damage: a review. <i>NeuroToxicology</i> , 2001 , 22, 299-315	4.4	33
32	Ketamine combinations for the field treatment of soman-induced self-sustaining status epilepticus. Review of current data and perspectives. <i>Chemico-Biological Interactions</i> , 2013 , 203, 154-9	5	30
31	Development and application of procedures for the highly sensitive quantification of cyclosporin enantiomers in hemolysed swine blood samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007 , 859, 9-15	3.2	30
30	Subchronic administration of pyridostigmine or huperzine to primates: compared efficacy against soman toxicity. <i>Drug and Chemical Toxicology</i> , 2002 , 25, 309-20	2.3	23

29	Subchronic administration of various pretreatments of nerve agent poisoning. II. Compared efficacy against soman toxicity. <i>Drug and Chemical Toxicology</i> , 2001 , 24, 165-80	2.3	21
28	Secreted phospholipase A2-induced neurotoxicity and epileptic seizures after intracerebral administration: an unexplained heterogeneity as emphasized with paradoxin and crotoxin. <i>Journal of Neuroscience Research</i> , 1998 , 54, 848-62	4.4	20
27	Modeling and simulation of organophosphate-induced neurotoxicity: Prediction and validation by experimental studies. <i>NeuroToxicology</i> , 2016 , 54, 140-152	4.4	19
26	Topical efficacy of dimercapto-chelating agents against lewisite-induced skin lesions in SKH-1 hairless mice. <i>Toxicology and Applied Pharmacology</i> , 2013 , 272, 291-8	4.6	18
25	Intrahippocampal cholinesterase inhibition induces epileptogenesis in mice without evidence of neurodegenerative events. <i>Neuroscience</i> , 2009 , 162, 1351-65	3.9	17
24	Subchronic administration of various pretreatments of nerve agent poisoning. I. Protection of blood and central cholinesterases, innocuousness towards blood-brain barrier permeability. <i>Drug and Chemical Toxicology</i> , 2001 , 24, 151-64	2.3	16
23	Time course of lewisite-induced skin lesions and inflammatory response in the SKH-1 hairless mouse model. <i>Wound Repair and Regeneration</i> , 2014 , 22, 272-80	3.6	15
22	Prediction of neuroprotective treatment efficiency using a HRMAS NMR-based statistical model of refractory status epilepticus on mouse: a metabolomic approach supported by histology. <i>Journal of Proteome Research</i> , 2012 , 11, 3782-95	5.6	14
21	In vitro and in vivo efficacy of PEGylated diisopropyl fluorophosphatase (DFPase). <i>Drug Testing and Analysis</i> , 2012 , 4, 262-70	3.5	14
20	Inhibition of crotoxin phospholipase A(2) activity by manoalide associated with inactivation of crotoxin toxicity and dissociation of the heterodimeric neurotoxic complex. <i>Biochemical Pharmacology</i> , 2002 , 63, 755-61	6	14
19	Hyperosmolar treatment of soman-induced brain lesions in mice: evaluation of the effects through diffusion-weighted magnetic resonance imaging and through histology. <i>Toxicology</i> , 2008 , 253, 97-103	4.4	13
18	Neuroprotective and antiepileptic activities of ketamine in nerve agent poisoning. <i>Anesthesiology</i> , 2003 , 98, 1517; author reply 1517-8	4.3	13
17	Beneficial effects of a ketamine/atropine combination in soman-poisoned rats under a neutral thermal environment. <i>NeuroToxicology</i> , 2015 , 50, 10-9	4.4	7
16	Flunarizine: a possible adjuvant medication against soman poisoning?. <i>Drug and Chemical Toxicology</i> , 2004 , 27, 213-31	2.3	6
15	Ketamine does not impair heat tolerance in rats. <i>European Journal of Pharmacology</i> , 2012 , 691, 77-85	5.3	4
14	Distortion product otoacoustic emissions as non-invasive biomarkers and predictors of soman-induced central neurotoxicity: a preliminary study. <i>Toxicology</i> , 2007 , 238, 119-29	4.4	4
13	Hypertonic mannitol in mice poisoned by a convulsive dose of soman: antilethal activity without neuroprotection. <i>Toxicology</i> , 2010 , 268, 78-88	4.4	3
12	Cognitive and emotional impairments after cutaneous intoxication by CEES (a sulfur mustard analog) in mice. <i>Toxicology Letters</i> , 2018 , 293, 73-76	4.4	3

11	Superior efficacy of HI-6 dimethanesulfonate over pralidoxime methylsulfate against Russian VX poisoning in cynomolgus monkeys (<i>Macaca fascicularis</i>). <i>Toxicology</i> , 2018 , 410, 96-105	4.4	3
10	Electro-behavioral phenotype and cell injury following exposure to paraoxon-ethyl in mice: Effect of the genetic background. <i>Chemico-Biological Interactions</i> , 2018 , 290, 119-125	5	1
9	Strengthening the Cost Effectiveness of Medical Countermeasure Development Against Rare Biological Threats: The Ebola Outbreak. <i>Pharmaceutical Medicine</i> , 2017 , 31, 423-436	2.3	1
8	Models of Chemically-Induced Acute Seizures and Epilepsy: Toxic Compounds and Drugs of Addiction 2017 , 529-551		1
7	A new use for an old method: the Woelcke myelin stain for counting degenerating neurons in the brain of mice following status epilepticus. <i>NeuroToxicology</i> , 2012 , 33, 789-95	4.4	1
6	Cyclooxygenase-2 contributes to VX-induced cell death in cultured cortical neurons. <i>Toxicology Letters</i> , 2012 , 210, 71-7	4.4	1
5	Re: Therapy against organophosphate poisoning: the importance of anticholinergic drugs with antiglutamatergic properties (Toxicol. Appl. Pharmacol. 232, 351-358, 2008). <i>Toxicology and Applied Pharmacology</i> , 2009 , 238, 188; author reply 189	4.6	1
4	Prediction of soman-induced cerebral damage by distortion product otoacoustic emissions. <i>Toxicology</i> , 2010 , 277, 38-48	4.4	1
3	Use of IFCC guidelines to verify acetylcholinesterase reference interval in adults determined with ChE check mobile testing system. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017 , 55, e268-e270	5.9	
2	Early changes in MAP2 protein in the rat hippocampus following soman intoxication. <i>Drug and Chemical Toxicology</i> , 2003 , 26, 219-29	2.3	
1	Interdependent Factors of Demand-Side Rationale for Chemical, Biological, Radiological, and Nuclear Medical Countermeasures. <i>Disaster Medicine and Public Health Preparedness</i> , 2020 , 14, 739-755	2.8	