Laxmikant S Deshpande

List of Publications by Year
in descending order

54 papers	2,051 citations	318942 23 h-index	312153 41 g-index
55 all docs	55 docs citations	55 times ranked	2371 citing authors

#	Article	IF	Citations
1	Repeated exposure to chlorpyrifos is associated with a dose-dependent chronic neurobehavioral deficit in adult rats. NeuroToxicology, 2022, 90, 172-183.	1.4	4
2	Epigenetic histone acetylation and Bdnf dysregulation in the hippocampus of rats exposed to repeated, low-dose diisopropylfluorophosphate. Life Sciences, 2021, 281, 119765.	2.0	12
3	A review of pre-clinical models for Gulf War Illness. , 2021, 228, 107936.		12
4	Novel therapeutics for treating organophosphate-induced status epilepticus co-morbidities, based on changes in calcium homeostasis. Neurobiology of Disease, 2020, 133, 104418.	2.1	17
5	Neuronal-Specific Inhibition of Endoplasmic Reticulum Mg2+/Ca2+ ATPase Ca2+ Uptake in a Mixed Primary Hippocampal Culture Model of Status Epilepticus. Brain Sciences, 2020, 10, 438.	1.1	4
6	Assessment of Ketamine and its Enantiomers in an Organophosphate-Based Rat Model for Features of Gulf War Illness. International Journal of Environmental Research and Public Health, 2020, 17, 4710.	1.2	20
7	Intramuscular atenolol and levetiracetam reduce mortality in a rat model of paraoxonâ€induced status epilepticus. Annals of the New York Academy of Sciences, 2020, 1480, 219-232.	1.8	1
8	Calcium Hypothesis of Gulf War Illness: Role of Calcium Ions in Neurological Morbidities in a DFP-Based Rat Model for Gulf War Illness. Neuroscience Insights, 2020, 15, 263310552097984.	0.9	6
9	Molecular mechanisms for the antidepressant-like effects of a low-dose ketamine treatment in a DFP-based rat model for Gulf War Illness. NeuroToxicology, 2020, 80, 52-59.	1.4	16
10	Targeting Intracellular Calcium Stores Alleviates Neurological Morbidities in a DFP-Based Rat Model of Gulf War Illness. Toxicological Sciences, 2019, 169, 567-578.	1.4	21
11	Chronic Neurological Morbidities and Elevated Hippocampal Calcium Levels in a DFP-Based Rat Model of Gulf War Illness. Military Medicine, 2018, 183, 552-555.	0.4	20
12	Hypothermia Reduces Mortality, Prevents the Calcium Plateau, and Is Neuroprotective Following Status Epilepticus in Rats. Frontiers in Neurology, 2018, 9, 438.	1.1	7
13	Role of the calcium plateau in neuronal injury and behavioral morbidities following organophosphate intoxication. Annals of the New York Academy of Sciences, 2016, 1374, 176-183.	1.8	23
14	Pharmacological blockade of the calcium plateau provides neuroprotection following organophosphate paraoxon induced status epilepticus in rats. Neurotoxicology and Teratology, 2016, 56, 81-86.	1.2	19
15	Repeated low-dose organophosphate DFP exposure leads to the development of depression and cognitive impairment in a rat model of Gulf War Illness. NeuroToxicology, 2016, 52, 127-133.	1.4	64
16	Endocannabinoids and epilepsy. , 2015, , 125-172.		4
17	Cannabinoids: is there a potential treatment role in epilepsy?. Expert Opinion on Pharmacotherapy, 2015, 16, 1911-1914.	0.9	25
18	Chronic behavioral and cognitive deficits in a rat survival model of paraoxon toxicity. NeuroToxicology, 2014, 44, 352-357.	1.4	36

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19	Mechanisms of Levetiracetam in the Control of Status Epilepticus and Epilepsy. Frontiers in Neurology, 2014, 5, 11.	1.1	96
20	Development of status epilepticus, sustained calcium elevations and neuronal injury in a rat survival model of lethal paraoxon intoxication. NeuroToxicology, 2014, 44, 17-26.	1.4	46
21	Hypothermia reduces calcium entry via the N-methyl-D-aspartate and ryanodine receptors in cultured hippocampal neurons. European Journal of Pharmacology, 2013, 698, 186-192.	1.7	12
22	Characterization of spontaneous recurrent epileptiform discharges in hippocampalâ€“entorhinal cortical slices prepared from chronic epileptic animals. Seizure: the Journal of the British Epilepsy Association, 2011, 20, 218-224.	0.9	14
23	Prolonged cannabinoid exposure alters GABAA receptor mediated synaptic function in cultured hippocampal neurons. Experimental Neurology, 2011, 229, 264-273.	2.0	20
24	Acetaminophen inhibits status epilepticus in cultured hippocampal neurons. NeuroReport, 2011, 22, 15-18.	0.6	16
25	An organotypic hippocampal slice culture model of excitotoxic injury induced spontaneous recurrent epileptiform discharges. Brain Research, 2011, 1371, 110-120.	1.1	11
26	Dantrolene inhibits the calcium plateau and prevents the development of spontaneous recurrent epileptiform discharges following in vitro status epilepticus. European Journal of Neuroscience, 2010, 32, 80-88.	1.2	17
27	Development of a Prolonged Calcium Plateau in Hippocampal Neurons in Rats Surviving Status Epilepticus Induced by the Organophosphate Diisopropylfluorophosphate. Toxicological Sciences, 2010, 116, 623-631.	1.4	98
28	Development of the calcium plateau following status epilepticus: role of calcium in epileptogenesis. Expert Review of Neurotherapeutics, 2009, 9, 813-824.	1.4	37
29	Prolonged exposure to WIN55,212-2 causes downregulation of the CB1 receptor and the development of tolerance to its anticonvulsant effects in the hippocampal neuronal culture model of acquired epilepsy. Neuropharmacology, 2009, 57, 208-218.	2.0	56
30	Comparisons of the mortality and clinical presentations of status epilepticus in private practice community and university hospital settings in Richmond, Virginia. Seizure: the Journal of the British Epilepsy Association, 2009, 18, 405-411.	0.9	59
31	Age-dependent mortality in the pilocarpine model of status epilepticus. Neuroscience Letters, 2009, 453, 233-237.	1.0	14
32	PLASTICITY | The Role of Calcium in Mediating Neuronal Plasticity in Epileptogenesis. , 2009, , 1181-1189.		0
33	CELL DAMAGE/EXCITOTOXICITY | Basic Mechanisms of Neuronal Injury from Seizures and Status Epilepticus. , 2009, , 105-114.		0
34	The novel antiepileptic drug carisbamate (RWJ 333369) is effective in inhibiting spontaneous recurrent seizure discharges and blocking sustained repetitive firing in cultured hippocampal neurons. Epilepsy Research, 2008, 79, 158-165.	0.8	26
35	Carisbamate prevents the development and expression of spontaneous recurrent epileptiform discharges and is neuroprotective in cultured hippocampal neurons. Epilepsia, 2008, 49, 1795-1802.	2.6	25
36	Traumatic brain injury causes a longâ€lasting calcium (Ca²⁺)â€plateau of elevated intracellular Ca levels and altered Ca²⁺ homeostatic mechanisms in hippocampal neurons surviving brain injury. European Journal of Neuroscience, 2008, 27, 1659-1672.	1.2	91

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37	Time course and mechanism of hippocampal neuronal death in an in vitro model of status epilepticus: Role of NMDA receptor activation and NMDA dependent calcium entry. European Journal of Pharmacology, 2008, 583, 73-83.	1.7	74
38	Levetiracetam Inhibits both ryanodine and IP3 receptor activated calcium induced calcium release in hippocampal neurons in culture. Neuroscience Letters, 2008, 436, 289-293.	1.0	72
39	Alterations in neuronal calcium levels are associated with cognitive deficits after traumatic brain injury. Neuroscience Letters, 2008, 441, 115-119.	1.0	56
40	Availability and Characteristics of Betel Products in the U.S.. Journal of Psychoactive Drugs, 2008, 40, 309-313.	1.0	31
41	Activation of a Novel Injury-Induced Calcium-Permeable Channel That Plays a Key Role in Causing Extended Neuronal Depolarization and Initiating Neuronal Death in Excitotoxic Neuronal Injury. Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 443-452.	1.3	19
42	Development of pharmacoresistance to benzodiazepines but not cannabinoids in the hippocampal neuronal culture model of status epilepticus. Experimental Neurology, 2007, 204, 705-713.	2.0	21
43	Cannabinoid CB1 receptor antagonists cause status epilepticus-like activity in the hippocampal neuronal culture model of acquired epilepsy. Neuroscience Letters, 2007, 411, 11-16.	1.0	84
44	Aging is associated with elevated intracellular calcium levels and altered calcium homeostatic mechanisms in hippocampal neurons. Neuroscience Letters, 2007, 418, 77-81.	1.0	95
45	In vitro status epilepticus but not spontaneous recurrent seizures cause cell death in cultured hippocampal neurons. Epilepsy Research, 2007, 75, 171-179.	0.8	27
46	Endocannabinoids block status epilepticus in cultured hippocampal neurons. European Journal of Pharmacology, 2007, 558, 52-59.	1.7	70
47	Activation of the Cannabinoid Type-1 Receptor Mediates the Anticonvulsant Properties of Cannabinoids in the Hippocampal Neuronal Culture Models of Acquired Epilepsy and Status Epilepticus. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 1072-1078.	1.3	115
48	Altered Calcium/Calmodulin Kinase II Activity Changes Calcium Homeostasis That Underlies Epileptiform Activity in Hippocampal Neurons in Culture. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 1021-1031.	1.3	24
49	Erratum to â€œCellular mechanisms underlying acquired epilepsy: The calcium hypothesis of the induction and maintenance of epilepsyâ€•[Pharmacol. Ther. 105(3) (2005) 229â€“266]. , 2006, 111, 288-325.		34
50	Erratum to â€œCellular mechanisms underlying acquired epilepsy: The calcium hypothesis of the induction and maintenance of epilepsyâ€•[Pharmacol. Ther. 105(3) (2005) 229â€“266]. , 2006, 111, 287.		1
51	Cellular mechanisms underlying acquired epilepsy: The calcium hypothesis of the induction and maintainance of epilepsy. , 2005, 105, 229-266.		241
52	Evidence that injury-induced changes in hippocampal neuronal calcium dynamics during epileptogenesis cause acquired epilepsy. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17522-17527.	3.3	104
53	The neurosteroid 3Î±-hydroxy-5Î±-pregnan-20-one affects dopamine-mediated behavior in rodents. Psychopharmacology, 2002, 161, 120-128.	1.5	28
54	Cataleptic effect of neurosteroid 3Î±-hydroxy-5Î±-pregnan-20-one in mice: modulation by serotonergic agents. Brain Research, 2001, 898, 13-26.	1.1	6