Claude G Wasterlain

List of Publications by Year
in descending order

82 papers	5,923 citations	38 h-index	76 g-index
83 all docs	83 docs citations	83 times ranked	3428 citing authors

87888

71685

#	Article	IF	Citations
1	Treatment of acetylcholinesterase inhibitor-induced seizures with polytherapy targeting GABA and glutamate receptors. Neuropharmacology, 2021, 185, 108444.	4.1	21
2	Combination of antiseizure medications phenobarbital, ketamine, and midazolam reduces somanâ€induced epileptogenesis and brain pathology in rats. Epilepsia Open, 2021, 6, 757-769.	2.4	11
3	Rational polytherapy in the treatment of cholinergic seizures. Neurobiology of Disease, 2020, 133, 104537.	4.4	30
4	Dataset of EEG power integral, spontaneous recurrent seizure and behavioral responses following combination drug therapy in soman-exposed rats. Data in Brief, 2019, 27, 104629.	1.0	12
5	Early polytherapy for benzodiazepine-refractory status epilepticus. Epilepsy and Behavior, 2019, 101, 106367.	1.7	25
6	Treatment of early life status epilepticus: What can we learn from animal models?. Epilepsia Open, 2018, 3, 169-179.	2.4	8
7	Treatment of experimental status epilepticus with synergistic drug combinations. Epilepsia, 2017, 58, e49-e53.	5.1	36
8	Simultaneous triple therapy for the treatment of status epilepticus. Neurobiology of Disease, 2017, 104, 41-49.	4.4	38
9	Phenobarbital and midazolam increase neonatal seizureâ€associated neuronal injury. Annals of Neurology, 2017, 82, 115-120.	5.3	51
10	Acute and longâ€term effects of brivaracetam and brivaracetamâ€“diazepam combinations in an experimental model of status epilepticus. Epilepsia, 2017, 58, 1199-1207.	5.1	30
11	Status Epilepticus - Lessons and Challenges from Animal Models. , 2017, , 3-17.		1
12	Midazolamâ€“ketamine dual therapy stops cholinergic status epilepticus and reduces Morris water maze deficits. Epilepsia, 2016, 57, 1406-1415.	5.1	55
13	Benzodiazepineâ€refractory status epilepticus: pathophysiology and principles of treatment. Annals of the New York Academy of Sciences, 2016, 1378, 166-173.	3.8	54
14	Widespread neuronal injury in a model of cholinergic status epilepticus in postnatal day 7 rat pups. Epilepsy Research, 2016, 120, 47-54.	1.6	28
15	Neuroprotective effects of deep hypothermia in refractory status epilepticus. Annals of Clinical and Translational Neurology, 2015, 2, 1105-1115.	3.7	18
16	Deep hypothermia for the treatment of refractory status epilepticus. Epilepsy and Behavior, 2015, 49, 313-317.	1.7	22
17	Rapid surface accumulation of NMDA receptors increases glutamatergic excitation during status epilepticus. Neurobiology of Disease, 2013, 54, 225-238.	4.4	169
18	Epileptogenesis in the developing brain. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2013, 111, 427-439.	1.8	11

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19	Trafficking of <scp>NMDA</scp> receptors during status epilepticus: Therapeutic implications. Epilepsia, 2013, 54, 78-80.	5.1	50
20	Programmed Necrosis after Status Epilepticus. , 2012, , 377-386.		5
21	Rational polytherapy in the treatment of acute seizures and status epilepticus. Epilepsia, 2011, 52, 70-71.	5.1	58
22	The acute and chronic effects of the novel anticonvulsant lacosamide in an experimental model of status epilepticus. Epilepsy Research, 2011, 94, 10-17.	1.6	32
23	Brain Energy Metabolism During Experimental Neonatal Seizures. Neurochemical Research, 2010, 35, 2193-2198.	3.3	26
24	Vulnerability of postnatal hippocampal neurons to seizures varies regionally with their maturational stage. Neurobiology of Disease, 2010, 37, 394-402.	4.4	48
25	Programmed necrosis after status epilepticus. Epilepsia, 2010, 51, 36-36.	5.1	2
26	GalR2-positive allosteric modulator exhibits anticonvulsant effects in animal models. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15229-15234.	7.1	28
27	Molecular basis of selfâ€sustaining seizures and pharmacoresistance during status epilepticus: The receptor trafficking hypothesis revisited. Epilepsia, 2009, 50, 16-18.	5.1	52
28	Mechanistic and pharmacologic aspects of status epilepticus and its treatment with new antiepileptic drugs. Epilepsia, 2008, 49, 63-73.	5.1	110
29	Status Epilepticus Triggers Caspase-3 Activation and Necrosis in the Immature Rat Brain. Epilepsia, 2007, 48, 1203-1206.	5.1	37
30	Invulnerability of the Immature Brain to Seizures: Do Dogmas Have Nine Lives?. Epilepsy Currents, 2006, 6, 59-61.	0.8	5
31	Status epilepticus: pathophysiology and management in adults. Lancet Neurology, The, 2006, 5, 246-256.	10.2	469
32	Treatment of Experimental Status Epilepticus in Immature Rats: Dissociation Between Anticonvulsant and Antiepileptogenic Effects. Pediatric Research, 2006, 59, 237-243.	2.3	81
33	GABA Synapses and the Rapid Loss of Inhibition to Dentate Gyrus Granule Cells after Brief Perforant-Path Stimulation. Epilepsia, 2005, 46, 142-147.	5.1	35
34	Programmed Neuronal Necrosis and Status Epilepticus. Epilepsia, 2005, 46, 43-48.	5.1	45
35	Trafficking of GABAA Receptors, Loss of Inhibition, and a Mechanism for Pharmacoresistance in Status Epilepticus. Journal of Neuroscience, 2005, 25, 7724-7733.	3.6	479
36	Novel rat cardiac arrest model of posthypoxic myoclonus. Movement Disorders, 2004, 9, 201-206.	3.9	42

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37	Anticonvulsant effects of levetiracetam and levetiracetamâ€"diazepam combinations in experimental status epilepticus. Epilepsy Research, 2004, 58, 167-174.	1.6	100
38	Hypoxic neuronal necrosis: Protein synthesis-independent activation of a cell death program. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2825-2830.	7.1	73
39	Seizure-induced neuronal death in the immature brain. Progress in Brain Research, 2002, 135, 335-353.	1.4	63
40	Short-Term Plasticity of Hippocampal Neuropeptides and Neuronal Circuitry in Experimental Status Epilepticus. Epilepsia, 2002, 43, 20-29.	5.1	47
41	Epileptogenesis During Development: Injury, Circuit Recruitment, and Plasticity. Epilepsia, 2002, 43, 47-53.	5.1	23
42	Epileptogenesis After Self-Sustaining Status Epilepticus. Epilepsia, 2002, 43, 74-80.	5.1	49
43	Urethane anesthesia produces selective damage in the piriform cortex of the developing brain. Developmental Brain Research, 2001, 130, 167-171.	1.7	16
44	Epileptogenesis after status epilepticus reflects age- and model-dependent plasticity. Annals of Neurology, 2000, 48, 580-589.	5.3	130
45	Granule Cell Neurogenesis After Status Epilepticus in the Immature Rat Brain. Epilepsia, 2000, 41, S53-S56.	5.1	90
46	Self-Sustaining Status Epilepticus: A Condition Maintained by Potentiation of Glutamate Receptors and by Plastic Changes in Substance P and Other Peptide Neuromodulators. Epilepsia, 2000, 41, S134-S143.	5.1	50
47	Modulation of Hippocampal Excitability and Seizures by Galanin. Journal of Neuroscience, 2000, 20, 6276-6281.	3.6	206
48	Ontogeny of Self-Sustaining Status epilepticus. Developmental Neuroscience, 1999, 21, 345-351.	2.0	17
49	Self-sustaining status epilepticus after a brief electrical stimulation of the perforant path: a 2-deoxyglucose study. Brain Research, 1999, 838, 110-118.	2.2	31
50	N-methyl-d-asparate receptor antagonists abolish the maintenance phase of self-sustaining status epilepticus in rat. Neuroscience Letters, 1999, 265, 187-190.	2.1	149
51	Self-sustaining status epilepticus after brief electrical stimulation of the perforant path. Brain Research, 1998, 801, 251-253.	2.2	104
52	Time-dependent decrease in the effectiveness of antiepileptic drugs during the course of self-sustaining status epilepticus. Brain Research, 1998, 814, 179-185.	2.2	227
53	Patterns of Status Epilepticus-Induced Neuronal Injury during Development and Long-Term Consequences. Journal of Neuroscience, 1998, 18, 8382-8393.	3.6	389
54	Apoptosis in a Neonatal Rat Model of Cerebral Hypoxia-Ischemia. Stroke, 1998, 29, 2622-2630.	2.0	177

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55	Galanin Modulation of Seizures and Seizure Modulation of Hippocampal Galanin in Animal Models of Status Epilepticus. Journal of Neuroscience, 1998, 18, 10070-10077.	3.6	172
56	Induction of brain derived neurotrophic factor mRNA by seizures in neonatal and juvenile rat brain. Molecular Brain Research, 1997, 44, 219-228.	2.3	55
57	Blockers of NMDA receptors restore paired-pulse inhibition in the rat dentate gyrus lesioned by perforant path stimulation. Neuroscience Letters, 1997, 234, 135-138.	2.1	11
58	Recurrent Seizures in the Developing Brain Are Harmful. Epilepsia, 1997, 38, 728-734.	5.1	121
59	Partial protection of hippocampal neurons by MK-801 during perforant path stimulation in the immature brain. Brain Research, 1997, 751, 96-101.	2.2	6
60	Lithium-pilocarpine status epilepticus in the immature rabbit. Developmental Brain Research, 1997, 100, 1-4.	1.7	31
61	Serum neuron-specific enolase is a marker for neuronal damage following status epilepticus in the rat. Epilepsy Research, 1997, 28, 129-136.	1.6	97
62	Selective protection of neuropeptide containing dentate hilar interneurons by non-NMDA receptor blockade in an animal model of status epilepticus. Brain Research, 1994, 644, 19-24.	2.2	28
63	GABA metabolism in the substantia nigra, cortex, and hippocampus during status epilepticus. Neurochemical Research, 1993, 18, 527-532.	3.3	33
64	Pathophysiological Mechanisms of Brain Damage from Status Epilepticus. Epilepsia, 1993, 34, S37-53.	5.1	425
65	Neuropathological changes during generalized seizures in newborn monkeys. Epilepsy Research, 1992, 12, 243-251.	1.6	14
66	Posthypoxic glucose supplement reduces hypoxicâ€ischemic brain damage in the neonatal rat. Annals of Neurology, 1990, 28, 122-128.	5.3	114
67	Calmodulin Kinase II in Pure Cultured Astrocytes. Journal of Neurochemistry, 1988, 50, 45-49.	3.9	29
68	Cyclic Nucleotide Response of the Hippocampal Formation to Septal Stimulation in Naive and Kindled Rats. Journal of Neurochemistry, 1986, 47, 185-190.	3.9	3
69	Effect of Altered Blood Plasma Osmolalities on Regional Brain Amino Acid Concentrations and Focal Seizure Susceptibility in the Rat. Journal of Neurochemistry, 1986, 47, 617-624.	3.9	22
70	Neonatal Seizures in Monkeys and Rabbits: Brain Glucose Depletion in the Face of Normoglycemia, Prevention by Glucose Loads. Pediatric Research, 1985, 19, 992-995.	2.3	26
71	Selective focal inhibition of brain protein synthesis during generalized bicuculline seizures in newborn marmoset monkeys. Brain Research, 1984, 308, 109-121.	2.2	15
72	Electroconvulsive seizures in the immature rat adversely affect myelin accumulation. Experimental Neurology, 1982, 78, 616-628.	4.1	42

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73	18FDG positron emission computed tomography in a study of aphasia. Annals of Neurology, 1981, 10, 173-183.	5.3	172
74	Rat Brain Protein Synthesis Declines During Postdevelopmental Aging. Journal of Neurochemistry, 1980, 35, 746-749.	3.9	48
75	Synaptic Proteins After Electroconvulsive Seizures in Immature Rats. Journal of Neurochemistry, 1980, 35, 1235-1237.	3.9	32
76	Regulation of the First Step of the Initiation of Brain Protein Synthesis by Guanosine Diphosphate. Journal of Neurochemistry, 1980, 34, 1639-1647.	3.9	35
77	Effects of neonatal seizures or anoxia on cerebellar mitotic activity in the rat. Experimental Neurology, 1980, 67, 573-580.	4.1	9
78	Does Anoxemia Play a Role in the Effects of Neonatal Seizures on Brain Growth?. European Neurology, 1979, 18, 222-229.	1.4	17
79	Effects of Neonatal Seizures on Ontogeny of Reflexes and Behavior. European Neurology, 1977, 15, 9-19.	1.4	25
80	Status Epilepticus in Immature Rats. Archives of Neurology, 1976, 33, 821.	4.5	51
81	Mortality and Morbidity from Serial Seizures.. Epilepsia, 1974, 15, 155-176.	5.1	93
82	Piribedil, a dopamine agonist, in Parkinson's disease. Clinical Pharmacology and Therapeutics, 1974, 16, 1077-1082.	4.7	30