

Frances E Jensen

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

5,252
citations

76326

40
h-index

110387

64
g-index

66
all docs

66
docs citations

66
times ranked

5352
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of mTORC1 activation in seizure-induced exacerbation of Alzheimer's disease. <i>Brain</i> , 2022, 145, 324-339.	7.6	15
2	A Pilot Randomized, Controlled, Double-Blind Trial of Bumetanide to Treat Neonatal Seizures. <i>Annals of Neurology</i> , 2021, 89, 327-340.	5.3	50
3	OUP accepted manuscript. <i>Cerebral Cortex</i> , 2021, 32, 197-215.	2.9	6
4	Adults with Cerebral Palsy Require Ongoing Neurologic Care: A Systematic Review. <i>Annals of Neurology</i> , 2021, 89, 860-871.	5.3	28
5	Altered hippocampal dendritic spine maturation after hypoxia-induced seizures in neonatal rats. <i>Molecular and Cellular Neurosciences</i> , 2021, 113, 103629.	2.2	4
6	Strengthened through Diversity: A Blueprint for Organizational Change. <i>Annals of Neurology</i> , 2021, 90, 524-536.	5.3	4
7	Alzheimer-like amyloid and tau alterations associated with cognitive deficit in temporal lobe epilepsy. <i>Brain</i> , 2020, 143, 191-209.	7.6	74
8	Opportunities and limitations of genetically modified nonhuman primate models for neuroscience research. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24022-24031.	7.1	64
9	AMPA Receptor Dysregulation and Therapeutic Interventions in a Mouse Model of CDKL5 Deficiency Disorder. <i>Journal of Neuroscience</i> , 2019, 39, 4814-4828.	3.6	52
10	Closing the Sex Divide in the Emerging Field of Neurology. <i>JAMA Neurology</i> , 2018, 75, 920.	9.0	2
11	Mechanistic target of rapamycin complex 1 and 2 in human temporal lobe epilepsy. <i>Annals of Neurology</i> , 2018, 83, 311-327.	5.3	59
12	Early Seizures Prematurely Unsilence Auditory Synapses to Disrupt Thalamocortical Critical Period Plasticity. <i>Cell Reports</i> , 2018, 23, 2533-2540.	6.4	32
13	Regulation of seizure-induced MeCP2 Ser421 phosphorylation in the developing brain. <i>Neurobiology of Disease</i> , 2018, 116, 120-130.	4.4	13
14	Developmental toxicity of nicotine: A transdisciplinary synthesis and implications for emerging tobacco products. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 72, 176-189.	6.1	135
15	18-month outcomes of heterologous bilateral hand transplantation in a child: a case report. <i>The Lancet Child and Adolescent Health</i> , 2017, 1, 35-44.	5.6	43
16	Identification and characterization of outcome measures reported in animal models of epilepsy: Protocol for a systematic review of the literature—A TASK 2 report of the AES/ILAE Translational Task Force of the ILAE. <i>Epilepsia</i> , 2017, 58, 68-77.	5.1	8
17	Upregulation of cystathione Î²-synthase and p70S6K/S6 in neonatal hypoxic ischemic brain injury. <i>Brain Pathology</i> , 2017, 27, 449-458.	4.1	16
18	Modeling Hypoxia-Induced Seizures and Hypoxic Encephalopathy in Developing Brain. , 2017, , 697-711.		0

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19	Early-life seizures alter synaptic calcium-permeable AMPA receptor function and plasticity. <i>Molecular and Cellular Neurosciences</i> , 2016, 76, 11-20.	2.2	49
20	Models of hypoxia and ischemia-induced seizures. <i>Journal of Neuroscience Methods</i> , 2016, 260, 252-260.	2.5	56
21	Dysregulation of FMRP/mTOR Signaling Cascade in Hypoxic-Ischemic Injury of Premature Human Brain. <i>Journal of Child Neurology</i> , 2016, 31, 426-432.	1.4	7
22	Developmental factors in the pathogenesis of neonatal seizures. <i>Journal of Pediatric Neurology</i> , 2015, 07, 005-012.	0.2	15
23	Acute seizure suppression by transcranial direct current stimulation in rats. <i>Annals of Clinical and Translational Neurology</i> , 2015, 2, 843-856.	3.7	48
24	Neonatal seizures alter NMDA glutamate receptor GluN2A and 3A subunit expression and function in hippocampal CA1 neurons. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 362.	3.7	24
25	Chloride cotransporter NKCC1 inhibitor bumetanide protects against white matter injury in a rodent model of periventricular leukomalacia. <i>Pediatric Research</i> , 2015, 77, 554-562.	2.3	14
26	Brain Perfusion Is Increased at Term in the White Matter of Very Preterm Newborns and Newborns with Congenital Heart Disease: Does this Reflect Activated Angiogenesis?. <i>Neuropediatrics</i> , 2015, 46, 344-351.	0.6	13
27	Developmental Expression of N-Methyl-d-Aspartate (NMDA) Receptor Subunits in Human White and Gray Matter: Potential Mechanism of Increased Vulnerability in the Immature Brain. <i>Cerebral Cortex</i> , 2015, 25, 482-495.	2.9	85
28	Suppression of Motor Cortical Excitability in Anesthetized Rats by Low Frequency Repetitive Transcranial Magnetic Stimulation. <i>PLoS ONE</i> , 2014, 9, e91065.	2.5	59
29	Progress across the spectrum of epilepsy research. <i>Nature Reviews Neurology</i> , 2014, 10, 63-64.	10.1	8
30	Lestaurtinib (CEP-701) attenuates α -second hit ϵ -kainic acid-induced seizures following early life hypoxic seizures. <i>Epilepsy Research</i> , 2014, 108, 806-810.	1.6	17
31	Rasmussen's encephalitis: clinical features, pathobiology, and treatment advances. <i>Lancet Neurology</i> , The, 2014, 13, 195-205.	10.2	352
32	Found in Translation: Training the Next Generation of Translational Neuroscientists. <i>Neuron</i> , 2014, 84, 542-545.	8.1	3
33	The challenge and promise of anti-epileptic therapy development in animal models. <i>Lancet Neurology</i> , The, 2014, 13, 949-960.	10.2	101
34	Subunit composition of glutamate and gamma-aminobutyric acid receptors in status epilepticus. <i>Epilepsy Research</i> , 2014, 108, 605-615.	1.6	36
35	<sc>AMPA</sc> Receptor antagonist <sc>NBQX</sc> attenuates laterâ€life epileptic seizures and autisticâ€like social deficits following neonatal seizures. <i>Epilepsia</i> , 2013, 54, 1922-1932.	5.1	65
36	Mammalian target of rapamycin complex 1 activation negatively regulates Polo-like kinase 2-mediated homeostatic compensation following neonatal seizures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5199-5204.	7.1	32

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37	Bumetanide Enhances Phenobarbital Efficacy in a Rat Model of Hypoxic Neonatal Seizures. PLoS ONE, 2013, 8, e57148.	2.5	117
38	Glutamate Receptor 1 Phosphorylation at Serine 831 and 845 Modulates Seizure Susceptibility and Hippocampal Hyperexcitability after Early Life Seizures. Journal of Neuroscience, 2012, 32, 17800-17812.	3.6	59
39	The Interaction between Early Life Epilepsy and Autistic-Like Behavioral Consequences: A Role for the Mammalian Target of Rapamycin (mTOR) Pathway. PLoS ONE, 2012, 7, e35885.	2.5	157
40	The developing oligodendrocyte: key cellular target in brain injury in the premature infant. International Journal of Developmental Neuroscience, 2011, 29, 423-440.	1.6	321
41	The clinically available NMDA receptor antagonist, memantine, exhibits relative safety in the developing rat brain. International Journal of Developmental Neuroscience, 2011, 29, 767-773.	1.6	24
42	Epilepsy as a spectrum disorder: Implications from novel clinical and basic neuroscience. Epilepsia, 2011, 52, 1-6.	5.1	137
43	Development of later life spontaneous seizures in a rodent model of hypoxia-induced neonatal seizures. Epilepsia, 2011, 52, 753-765.	5.1	102
44	Hypoxia-Induced Neonatal Seizures Diminish Silent Synapses and Long-Term Potentiation in Hippocampal CA1 Neurons. Journal of Neuroscience, 2011, 31, 18211-18222.	3.6	80
45	Talampanel suppresses the acute and chronic effects of seizures in a rodent neonatal seizure model. Epilepsia, 2009, 50, 694-701.	5.1	43
46	Introduction of Epileptogenic cortical dysplasia: Emerging trends in diagnosis, treatment, and pathogenesis. Epilepsia, 2009, 50, 1-2.	5.1	9
47	Epileptogenesis in the immature brain: emerging mechanisms. Nature Reviews Neurology, 2009, 5, 380-391.	10.1	469
48	Neonatal Seizures: An Update on Mechanisms and Management. Clinics in Perinatology, 2009, 36, 881-900.	2.1	123
49	Cell-specific alterations of glutamate receptor expression in tuberous sclerosis complex cortical tubers. Annals of Neurology, 2008, 63, 454-465.	5.3	135
50	Early Alterations of AMPA Receptors Mediate Synaptic Potentiation Induced by Neonatal Seizures. Journal of Neuroscience, 2008, 28, 7979-7990.	3.6	160
51	Neonatal seizures. Annals of Neurology, 2007, 62, 112-120.	5.3	205
52	Developmental factors regulating susceptibility to perinatal brain injury and seizures. Current Opinion in Pediatrics, 2006, 18, 628-633.	2.0	81
53	Developmental regulation of α -amino-3-hydroxy-5-methyl-4-isoxazole-propionic acid receptor subunit expression in forebrain and relationship to regional susceptibility to hypoxic/ischemic injury. I. Rodent cerebral white matter and cortex. Journal of Comparative Neurology, 2006, 497, 42-60.	1.6	147
54	Developmental regulation of α -amino-3-hydroxy-5-methyl-4-isoxazole-propionic acid receptor subunit expression in forebrain and relationship to regional susceptibility to hypoxic/ischemic injury. II. Human cerebral white matter and cortex. Journal of Comparative Neurology, 2006, 497, 61-77.	1.6	185

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55	Randomized trial supports use of levetiracetam adjunctive therapy to treat partial seizures in children. <i>Nature Clinical Practice Neurology</i> , 2006, 2, 596-597.	2.5	1
56	Role of Glutamate Receptors in Periventricular Leukomalacia. <i>Journal of Child Neurology</i> , 2005, 20, 950-959.	1.4	47
57	AMPA/Kainate Receptor-Mediated Downregulation of GABAergic Synaptic Transmission by Calcineurin after Seizures in the Developing Rat Brain. <i>Journal of Neuroscience</i> , 2005, 25, 3442-3451.	3.6	94
58	NBQX or Topiramate Treatment after Perinatal Hypoxia-induced Seizures Prevents Later Increases in Seizure-induced Neuronal Injury. <i>Epilepsia</i> , 2004, 45, 569-575.	5.1	132
59	The role of glutamate receptor maturation in perinatal seizures and brain injury. <i>International Journal of Developmental Neuroscience</i> , 2002, 20, 339-347.	1.6	108
60	Decreased Glutamate Receptor 2 Expression and Enhanced Epileptogenesis in Immature Rat Hippocampus after Perinatal Hypoxia-Induced Seizures. <i>Journal of Neuroscience</i> , 2001, 21, 8154-8163.	3.6	226
61	Maturational Aspects of Epilepsy Mechanisms and Consequences for the Immature Brain. <i>Epilepsia</i> , 2001, 42, 577-585.	5.1	181
62	Topiramate blocks perinatal hypoxia-induced seizures in rat pups. <i>Annals of Neurology</i> , 2001, 50, 366-372.	5.3	131
63	Developmental seizures induced by common early-life insults: Short- and long-term effects on seizure susceptibility. <i>Mental Retardation and Developmental Disabilities Research Reviews</i> , 2000, 6, 253-257.	3.6	63
64	Novel Role for the NMDA Receptor Redox Modulatory Site in the Pathophysiology of Seizures. <i>Journal of Neuroscience</i> , 2000, 20, 2409-2417.	3.6	54
65	Hypoxia-induced hyperexcitability in vivo and in vitro in the immature hippocampus. <i>Epilepsy Research</i> , 1996, 26, 131-140.	1.6	61