

Robert S Sloviter

List of Publications by Year in Descending Order

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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.

73
papers

11,829
citations

45
h-index

73
g-index

73
ext. papers

12,524
ext. citations

5.6
avg, IF

6.43
L-index

#	Paper	IF	Citations
73	Targeted hippocampal GABA neuron ablation by Stable Substance P-saporin causes hippocampal sclerosis and chronic epilepsy in rats. <i>Epilepsia</i> , 2019 , 60, e52-e57	6.4	9
72	Commonalities in epileptogenic processes from different acute brain insults: Do they translate?. <i>Epilepsia</i> , 2018 , 59, 37-66	6.4	123
71	No latency to dentate granule cell epileptogenesis in experimental temporal lobe epilepsy with hippocampal sclerosis. <i>Epilepsia</i> , 2018 , 59, 2019-2034	6.4	12
70	Transcriptional profile of hippocampal dentate granule cells in four rat epilepsy models. <i>Scientific Data</i> , 2017 , 4, 170061	8.2	32
69	Epileptogenesis meets Occam's Razor. <i>Current Opinion in Pharmacology</i> , 2017 , 35, 105-110	5.1	7
68	Epileptic pilocarpine-treated rats exhibit aberrant hippocampal EPSP-spike potentiation but retain long-term potentiation. <i>Physiological Reports</i> , 2017 , 5, e13490	2.6	7
67	Defining "epileptogenesis" and identifying "antiepileptogenic targets" in animal models of acquired temporal lobe epilepsy is not as simple as it might seem. <i>Neuropharmacology</i> , 2013 , 69, 3-15	5.5	72
66	Standardized environmental enrichment supports enhanced brain plasticity in healthy rats and prevents cognitive impairment in epileptic rats. <i>PLoS ONE</i> , 2013 , 8, e53888	3.7	91
65	Updating the lamellar hypothesis of hippocampal organization. <i>Frontiers in Neural Circuits</i> , 2012 , 6, 102	3.5	43
64	Progress on the issue of excitotoxic injury modification vs. real neuroprotection; implications for post-traumatic epilepsy. <i>Neuropharmacology</i> , 2011 , 61, 1048-50	5.5	19
63	Electrical stimulation-induced seizures in rats: a "dose-response" study on resultant neurodegeneration. <i>Epilepsia</i> , 2011 , 52, e109-12	6.4	14
62	Classic hippocampal sclerosis and hippocampal-onset epilepsy produced by a single "cryptic" episode of focal hippocampal excitation in awake rats. <i>Journal of Comparative Neurology</i> , 2010 , 518, 3381-407	3.4	55
61	Abnormal dentate gyrus network circuitry in temporal lobe epilepsy. <i>Epilepsia</i> , 2010 , 51, 41-41	6.4	1
60	Hippocampal injury, atrophy, synaptic reorganization, and epileptogenesis after perforant pathway stimulation-induced status epilepticus in the mouse. <i>Journal of Comparative Neurology</i> , 2009 , 515, 181-96	3.4	56
59	Experimental status epilepticus in animals: What are we modeling?. <i>Epilepsia</i> , 2009 , 50 Suppl 12, 11-3	6.4	28
58	Hippocampal epileptogenesis in animal models of mesial temporal lobe epilepsy with hippocampal sclerosis: the importance of the "latent period" and other concepts. <i>Epilepsia</i> , 2008 , 49 Suppl 9, 85-92	6.4	92
57	Minimal latency to hippocampal epileptogenesis and clinical epilepsy after perforant pathway stimulation-induced status epilepticus in awake rats. <i>Journal of Comparative Neurology</i> , 2008 , 510, 561-80	3.4	69

56	On the relevance of prolonged convulsive status epilepticus in animals to the etiology and neurobiology of human temporal lobe epilepsy. <i>Epilepsia</i> , 2007 , 48 Suppl 8, 6-10	6.4	180
55	Kainic acid-induced recurrent mossy fiber innervation of dentate gyrus inhibitory interneurons: possible anatomical substrate of granule cell hyper-inhibition in chronically epileptic rats. <i>Journal of Comparative Neurology</i> , 2006 , 494, 944-60	3.4	108
54	Neuronal hyperactivity induces astrocytic expression of neurocan in the adult rat hippocampus. <i>Glia</i> , 2006 , 53, 704-14	9	19
53	Synapses formed by normal and abnormal hippocampal mossy fibers. <i>Cell and Tissue Research</i> , 2006 , 326, 361-7	4.2	55
52	The neurobiology of temporal lobe epilepsy: too much information, not enough knowledge. <i>Comptes Rendus - Biologies</i> , 2005 , 328, 143-53	1.4	89
51	Synaptic activity regulates interstitial fluid amyloid-beta levels in vivo. <i>Neuron</i> , 2005 , 48, 913-22	13.9	882
50	Hippocampal granule cell activity and c-Fos expression during spontaneous seizures in awake, chronically epileptic, pilocarpine-treated rats: implications for hippocampal epileptogenesis. <i>Journal of Comparative Neurology</i> , 2005 , 488, 442-63	3.4	91
49	Translaminar disinhibition in the rat hippocampal dentate gyrus after seizure-induced degeneration of vulnerable hilar neurons. <i>Journal of Neuroscience</i> , 2004 , 24, 853-64	6.6	76
48	"Tectonic" hippocampal malformations in patients with temporal lobe epilepsy. <i>Epilepsy Research</i> , 2004 , 59, 123-53	3	44
47	"Dormant basket cell" hypothesis revisited: relative vulnerabilities of dentate gyrus mossy cells and inhibitory interneurons after hippocampal status epilepticus in the rat. <i>Journal of Comparative Neurology</i> , 2003 , 459, 44-76	3.4	180
46	Excitatory Dentate Granule Cells Normally Contain GAD and GABA, but Does That Make Them GABAergic, and Do Seizures Shift Granule Cell Function in the Inhibitory Direction?. <i>Epilepsy Currents</i> , 2003 , 3, 3-5	1.3	10
45	Impaired retention of spatial memory after transection of longitudinally oriented axons of hippocampal CA3 pyramidal cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 3194-8	11.5	103
44	Apoptosis: a guide for the perplexed. <i>Trends in Pharmacological Sciences</i> , 2002 , 23, 19-24	13.2	93
43	Apoptosis: a needed return to first principles. <i>Trends in Pharmacological Sciences</i> , 2002 , 23, 310	13.2	
42	Substance P receptor expression by inhibitory interneurons of the rat hippocampus: Enhanced detection using improved immunocytochemical methods for the preservation and colocalization of GABA and other neuronal markers. <i>Journal of Comparative Neurology</i> , 2001 , 430, 283-305	3.4	81
41	Focal inhibitory interneuron loss and principal cell hyperexcitability in the rat hippocampus after microinjection of a neurotoxic conjugate of saporin and a peptidase-resistant analog of Substance P. <i>Journal of Comparative Neurology</i> , 2001 , 436, 127-152	3.4	42
40	Commissurally projecting inhibitory interneurons of the rat hippocampal dentate gyrus: a colocalization study of neuronal markers and the retrograde tracer Fluoro-gold. <i>Journal of Comparative Neurology</i> , 2001 , 441, 324-44	3.4	65
39	Status epilepticus-induced neuronal injury and network reorganization. <i>Epilepsia</i> , 1999 , 40 Suppl 1, S34-9; discussion S40-1	6.4	103

38	Dentate granule cell neurogenesis is increased by seizures and contributes to aberrant network reorganization in the adult rat hippocampus. <i>Journal of Neuroscience</i> , 1997 , 17, 3727-38	6.6	1597
37	Apoptosis and necrosis induced in different hippocampal neuron populations by repetitive perforant path stimulation in the rat. <i>Journal of Comparative Neurology</i> , 1996 , 366, 516-33	3.4	170
36	Basal expression and induction of glutamate decarboxylase and GABA in excitatory granule cells of the rat and monkey hippocampal dentate gyrus. <i>Journal of Comparative Neurology</i> , 1996 , 373, 593-618	3.4	267
35	Basal expression and induction of glutamate decarboxylase GABA in excitatory granule cells of the rat and monkey hippocampal dentate gyrus 1996 , 373, 593		8
34	Hippocampal dentate granule cell degeneration after adrenalectomy in the rat is not reversed by dexamethasone. <i>Brain Research</i> , 1995 , 682, 227-30	3.7	33
33	Lateral inhibition and granule cell synchrony in the rat hippocampal dentate gyrus. <i>Journal of Neuroscience</i> , 1995 , 15, 811-20	6.6	44
32	Images in neuroscience. The hippocampus in epilepsy. <i>American Journal of Psychiatry</i> , 1995 , 152, 659	11.9	6
31	On the relationship between neuropathology and pathophysiology in the epileptic hippocampus of humans and experimental animals. <i>Hippocampus</i> , 1994 , 4, 250-3	3.5	52
30	The functional organization of the hippocampal dentate gyrus and its relevance to the pathogenesis of temporal lobe epilepsy. <i>Annals of Neurology</i> , 1994 , 35, 640-54	9.4	395
29	Learning and memory after adrenalectomy-induced hippocampal dentate granule cell degeneration in the rat. <i>Hippocampus</i> , 1993 , 3, 359-71	3.5	43
28	Adrenalectomy-induced granule cell degeneration in the rat hippocampal dentate gyrus: characterization of an in vivo model of controlled neuronal death. <i>Journal of Comparative Neurology</i> , 1993 , 330, 324-36	3.4	188
27	Electron microscopic analysis of adrenalectomy-induced hippocampal granule cell degeneration in the rat: apoptosis in the adult central nervous system. <i>Journal of Comparative Neurology</i> , 1993 , 330, 337-34	3.4	195
26	Cocaine neurotoxicity and altered neuropeptide Y immunoreactivity in the rat hippocampus; a silver degeneration and immunocytochemical study. <i>Brain Research</i> , 1993 , 616, 263-72	3.7	41
25	Calbindin-D28k immunoreactivity and selective vulnerability to ischemia in the dentate gyrus of the developing rat. <i>Brain Research</i> , 1993 , 606, 309-14	3.7	88
24	Possible functional consequences of synaptic reorganization in the dentate gyrus of kainate-treated rats. <i>Neuroscience Letters</i> , 1992 , 137, 91-6	3.3	322
23	Heat shock protein expression in vulnerable cells of the rat hippocampus as an indicator of excitation-induced neuronal stress. <i>Journal of Neuroscience</i> , 1992 , 12, 3004-9	6.6	147
22	Evidence for commissurally projecting parvalbumin-immunoreactive basket cells in the dentate gyrus of the rat. <i>Hippocampus</i> , 1992 , 2, 13-21	3.5	40
21	Calcium-binding protein (calbindin-D28K) and parvalbumin immunocytochemistry in the normal and epileptic human hippocampus. <i>Journal of Comparative Neurology</i> , 1991 , 308, 381-96	3.4	304

20	Feedforward and feedback inhibition of hippocampal principal cell activity evoked by perforant path stimulation: GABA-mediated mechanisms that regulate excitability in vivo. <i>Hippocampus</i> , 1991 , 1, 31-40	3.5	187
19	Permanently altered hippocampal structure, excitability, and inhibition after experimental status epilepticus in the rat: the "dormant basket cell" hypothesis and its possible relevance to temporal lobe epilepsy. <i>Hippocampus</i> , 1991 , 1, 41-66	3.5	606
18	Similarities in circuitry between Ammon's horn and dentate gyrus: local interactions and parallel processing. <i>Progress in Brain Research</i> , 1990 , 83, 269-86	2.9	42
17	Selective loss of hippocampal granule cells in the mature rat brain after adrenalectomy. <i>Science</i> , 1989 , 243, 535-8	33.3	497
16	Calcium-binding protein (calbindin-D28k) and parvalbumin immunocytochemistry: localization in the rat hippocampus with specific reference to the selective vulnerability of hippocampal neurons to seizure activity. <i>Journal of Comparative Neurology</i> , 1989 , 280, 183-96	3.4	631
15	Decreased hippocampal inhibition and a selective loss of interneurons in experimental epilepsy. <i>Science</i> , 1987 , 235, 73-6	33.3	922
14	Immunocytochemical localization of GABA-, cholecystokinin-, vasoactive intestinal polypeptide-, and somatostatin-like immunoreactivity in the area dentata and hippocampus of the rat. <i>Journal of Comparative Neurology</i> , 1987 , 256, 42-60	3.4	369
13	On the role of seizure activity in the hippocampal damage produced by trimethyltin. <i>Brain Research</i> , 1986 , 367, 169-82	3.7	30
12	A selective loss of hippocampal mossy fiber Timm stain accompanies granule cell seizure activity induced by perforant path stimulation. <i>Brain Research</i> , 1985 , 330, 150-3	3.7	171
11	"Epileptic" brain damage is replicated qualitatively in the rat hippocampus by central injection of glutamate or aspartate but not by GABA or acetylcholine. <i>Brain Research Bulletin</i> , 1985 , 15, 39-60	3.9	217
10	"Epileptic" brain damage in rats induced by sustained electrical stimulation of the perforant path. I. Acute electrophysiological and light microscopic studies. <i>Brain Research Bulletin</i> , 1983 , 10, 675-97	3.9	485
9	"Epileptic" brain damage in rats induced by sustained electrical stimulation of the perforant path. II. Ultrastructural analysis of acute hippocampal pathology. <i>Brain Research Bulletin</i> , 1983 , 10, 699-712	3.9	155
8	A simplified Timm stain procedure compatible with formaldehyde fixation and routine paraffin embedding of rat brain. <i>Brain Research Bulletin</i> , 1982 , 8, 771-4	3.9	210
7	On the relationship between kainic acid-induced epileptiform activity and hippocampal neuronal damage. <i>Neuropharmacology</i> , 1981 , 20, 1003-11	5.5	138
6	Methionine enkephalin-induced shaking behavior in rats: dissociation from brain serotonin mechanisms. <i>Neuropharmacology</i> , 1981 , 20, 473-5	5.5	19
5	Sustained electrical stimulation of the perforant path duplicates kainate-induced electrophysiological effects and hippocampal damage in rats. <i>Neuroscience Letters</i> , 1981 , 24, 279-84	3.3	153
4	Para-halogenated phenethylamines: similar serotonergic effects in rats by different mechanisms. <i>Pharmacology Biochemistry and Behavior</i> , 1980 , 13, 283-6	3.9	9
3	Effect of morphine on wet-dog shakes caused by cerebroventricular injection of serotonin. <i>Pharmacology</i> , 1979 , 18, 299-305	2.3	22

- 2 Serotonin agonist actions of p-chlorophenylalanine. *Neuropharmacology*, **1978**, 17, 1029-33 5.5 19
- 1 Postmortem stability of norepinephrine, dopamine, and serotonin in rat brain. *Journal of Neurochemistry*, **1977**, 28, 1129-31 6 56