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Modulation of burst frequency, duration, and amplitude in the zero-Ca(2+) model of epileptiform activity

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#	Paper	IF	Citations
69	Effects of applied electric fields on low-calcium epileptiform activity in the CA1 region of rat hippocampal slices. <i>Journal of Neurophysiology</i> , 2000 , 84, 274-80	3.2	117
68	Extracellular pH responses in CA1 and the dentate gyrus during electrical stimulation, seizure discharges, and spreading depression. <i>Journal of Neurophysiology</i> , 2000 , 83, 3519-24	3.2	77
67	Suppression and control of epileptiform activity by electrical stimulation: a review. <i>Proceedings of the IEEE</i> , 2001 , 89, 1065-1082	14.3	105
66	Upregulation of gap junction connexin 32 with epileptiform activity in the isolated mouse hippocampus. <i>Neuroscience</i> , 2001 , 105, 589-98	3.9	52
65	Prolonged epileptiform bursting induced by 0-Mg(2+) in rat hippocampal slices depends on gap junctional coupling. <i>Neuroscience</i> , 2001 , 105, 579-87	3.9	121
64	Studying rhythmogenesis of breathing: comparison of in vivo and in vitro models. <i>Trends in Neurosciences</i> , 2001 , 24, 464-72	13.3	223
63	Effects of postsynaptic GABA(B) receptor activation on epileptiform activity in hippocampal slices. <i>Neuropharmacology</i> , 2001 , 40, 131-8	5.5	9
62	Can gap-junction blockade preferentially inhibit neuronal hypersynchrony vs. excitability?. <i>Neuropharmacology</i> , 2001 , 41, 377-83	5.5	59
61	Bistability dynamics in simulations of neural activity in high-extracellular-potassium conditions. <i>Journal of Computational Neuroscience</i> , 2001 , 11, 5-18	1.4	34
60	Suppression of epileptiform activity by high frequency sinusoidal fields in rat hippocampal slices. <i>Journal of Physiology</i> , 2001 , 531, 181-91	3.9	174
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53	Noise and coupling affect signal detection and bursting in a simulated physiological neural network. <i>Journal of Neurophysiology</i> , 2002 , 88, 2598-611	3.2	39

52	Synaptic and nonsynaptic ictogenesis occurs at different temperatures in submerged and interface rat brain slices. <i>Journal of Neurophysiology</i> , 2002 , 87, 2929-35	3.2	23
51	Modulation of intercellular calcium signaling in astrocytes by extracellular calcium and magnesium. <i>Glia</i> , 2003 , 43, 265-73	9	81
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49	Paradoxical Ca ²⁺ rises induced by low external Ca ²⁺ in rat hippocampal neurones. <i>Journal of Physiology</i> , 2003 , 549, 537-52	3.9	14
48	Ionic mechanisms underlying spontaneous CA1 neuronal firing in Ca ²⁺ -free solution. <i>Biophysical Journal</i> , 2003 , 84, 2099-111	2.9	39
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46	Low-calcium epileptiform activity in the hippocampus in vivo. <i>Journal of Neurophysiology</i> , 2003 , 90, 2253-60	3.6	33
45	Suppression of excitatory synaptic transmission can facilitate low-calcium epileptiform activity in the hippocampus in vivo. <i>Brain Research</i> , 2004 , 1030, 57-65	3.7	9
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