Yehezkel Ben-Ari

List of Publications by Year in Descending Order

440 papers	41,375 citations	108 h-index	188 g-index
472 ext. papers	44,329 ext. citations	6.5 avg, IF	7.49 L-index

#	Paper	IF	Citations
440	The GABA Polarity Shift and Bumetanide Treatment: Making Sense Requires Unbiased and Undogmatic Analysis.. *Cells*, **2022**, 11,	7.9	2
439	Pronostiquer t les troubles du spectre autistique´: Un dfi ?. *Medecine/Sciences*, **2022**, 38, 431-437		0
438	Kre mir Krnjevi (1927-2021) and GABAergic inhibition: a lifetime dedication. *Canadian Journal of Physiology and Pharmacology*, **2021**, 1-4	2.4	1
437	Machine learning analysis of pregnancy data enables early identification of a subpopulation of newborns with ASD. *Scientific Reports*, **2021**, 11, 6877	4.9	9
436	Brain Volumes in Mice are Smaller at Birth After Term or Preterm Cesarean Section Delivery. *Cerebral Cortex*, **2021**, 31, 3579-3591	5.1	0
435	Phenobarbital, midazolam, bumetanide, and neonatal seizures: The devil is in the details. *Epilepsia*, **2021**, 62, 935-940	6.4	2
434	Treating Autism With Bumetanide: Are Large Multicentric and Monocentric Trials on Selected Populations Complementary?. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2021**, 60, 937-938	7.2	1
433	GABA and glutamate in the preterm neonatal brain: In-vivo measurement by magnetic resonance spectroscopy. *NeuroImage*, **2021**, 238, 118215	7.9	5
432	Alteration in the time and/or mode of delivery differentially modulates early development in mice. *Molecular Brain*, **2020**, 13, 34	4.5	4
431	Bumetanide to treat autism spectrum disorders: Clinical observations **2020**, 701-708		
430	Disruptions in chloride transporter activity in autism spectrum disorders **2020**, 549-568		
429	The GABA developmental shift in health and disease **2020**, 277-296		
428	Pyramidal neuron growth and increased hippocampal volume during labor and birth in autism. *Science Advances*, **2019**, 5, eaav0394	14.3	8
427	Term or Preterm Cesarean Section Delivery Does Not Lead to Long-term Detrimental Consequences in Mice. *Cerebral Cortex*, **2019**, 29, 2424-2436	5.1	17
426	Early alterations in a mouse model of Rett syndrome: the GABA developmental shift is abolished at birth. *Scientific Reports*, **2019**, 9, 9276	4.9	26
425	Enhanced Glutamatergic Currents at Birth in Shank3 KO Mice. *Neural Plasticity*, **2019**, 2019, 2382639	3.3	4
424	The GABA Developmental Shift Is Abolished by Maternal Immune Activation Already at Birth. *Cerebral Cortex*, **2019**, 29, 3982-3992	5.1	15

423	Bumetanide for autism: more eye contact, less amygdala activation. *Scientific Reports*, **2018**, 8, 3602	4.9	44
422	GABAergic inhibition in dual-transmission cholinergic and GABAergic striatal interneurons is abolished in Parkinson disease. *Nature Communications*, **2018**, 9, 1422	17.4	40
421	Maturation of GABAergic Transmission in Cerebellar Purkinje Cells Is Sex Dependent and Altered in the Valproate Model of Autism. *Frontiers in Cellular Neuroscience*, **2018**, 12, 232	6.1	8
420	Striatal dual cholinergic /GABAergic transmission in Parkinson disease: friends or foes?. *Cell Stress*, **2018**, 2, 147-149	5.5	8
419	Oxytocin and Vasopressin, and the GABA Developmental Shift During Labor and Birth: Friends or Foes?. *Frontiers in Cellular Neuroscience*, **2018**, 12, 254	6.1	15
418	Effects of bumetanide on neurobehavioral function in children and adolescents with autism spectrum disorders. *Translational Psychiatry*, **2017**, 7, e1056	8.6	82
417	NKCC1 Chloride Importer Antagonists Attenuate Many Neurological and Psychiatric Disorders. *Trends in Neurosciences*, **2017**, 40, 536-554	13.3	115
416	Progress in autism research and postgenomic studies. *Lancet Neurology, The*, **2016**, 15, 136	24.1	1
415	Failure of the Nemo Trial: Bumetanide Is a Promising Agent to Treat Many Brain Disorders but Not Newborn Seizures. *Frontiers in Cellular Neuroscience*, **2016**, 10, 90	6.1	25
414	Treating Schizophrenia With the Diuretic Bumetanide: A Case Report. *Clinical Neuropharmacology*, **2016**, 39, 115-7	1.4	36
413	Is birth a critical period in the pathogenesis of autism spectrum disorders?. *Nature Reviews Neuroscience*, **2015**, 16, 498-505	13.5	77
412	Commentary: GABA depolarizes immature neurons and inhibits network activity in the neonatal neocortex in vivo. *Frontiers in Cellular Neuroscience*, **2015**, 9, 478	6.1	10
411	Improving emotional face perception in autism with diuretic bumetanide: a proof-of-concept behavioral and functional brain imaging pilot study. *Autism*, **2015**, 19, 149-57	6.6	71
410	Oxytocin-mediated GABA inhibition during delivery attenuates autism pathogenesis in rodent offspring. *Science*, **2014**, 343, 675-9	33.3	385
409	The GABA excitatory/inhibitory developmental sequence: a personal journey. *Neuroscience*, **2014**, 279, 187-219	3.9	179
408	Synapses as therapeutic targets for autism spectrum disorders: an international symposium held in pavia on july 4th, 2014. *Frontiers in Cellular Neuroscience*, **2014**, 8, 309	6.1	7
407	Response to Comment on "Oxytocin-mediated GABA inhibition during delivery attenuates autism pathogenesis in rodent offspring". *Science*, **2014**, 346, 176	33.3	30
406	Selective suppression of excessive GluN2C expression rescues early epilepsy in a tuberous sclerosis murine model. *Nature Communications*, **2014**, 5, 4563	17.4	77

405	Mechanisms and effects of seizures in the immature brain. *Seminars in Fetal and Neonatal Medicine*, **2013**, 18, 175-84	3.7	59
404	GABA **2013**, 773-790		
403	The developing cortex. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2013**, 111, 417-26	3	14
402	Tubacin prevents neuronal migration defects and epileptic activity caused by rat Srpx2 silencing in utero. *Brain*, **2013**, 136, 2457-73	11.2	37
401	Treating Fragile X syndrome with the diuretic bumetanide: a case report. *Acta Paediatrica, International Journal of Paediatrics*, **2013**, 102, e288-90	3.1	41
400	Timing of developmental sequences in different brain structures: physiological and pathological implications. *European Journal of Neuroscience*, **2012**, 35, 1846-56	3.5	58
399	The GABA excitatory/inhibitory shift in brain maturation and neurological disorders. *Neuroscientist*, **2012**, 18, 467-86	7.6	375
398	Refuting the challenges of the developmental shift of polarity of GABA actions: GABA more exciting than ever!. *Frontiers in Cellular Neuroscience*, **2012**, 6, 35	6.1	113
397	The Yin and Yen of GABA in Brain Development and Operation in Health and Disease. *Frontiers in Cellular Neuroscience*, **2012**, 6, 45	6.1	11
396	Blocking seizures with the diuretic bumetanide: promises and pitfalls. *Epilepsia*, **2012**, 53, 394-6	6.4	14
395	Pioneer glutamatergic cells develop into a morpho-functionally distinct population in the juvenile CA3 hippocampus. *Nature Communications*, **2012**, 3, 1316	17.4	37
394	A randomised controlled trial of bumetanide in the treatment of autism in children. *Translational Psychiatry*, **2012**, 2, e202	8.6	185
393	Is it safe to use a diuretic to treat seizures early in development ?. *Epilepsy Currents*, **2011**, 11, 192-5	1.3	9
392	Newborn Analgesia Mediated by Oxytocin during Delivery. *Frontiers in Cellular Neuroscience*, **2011**, 5, 3	6.1	87
391	Phenobarbital but Not Diazepam Reduces AMPA/kainate Receptor Mediated Currents and Exerts Opposite Actions on Initial Seizures in the Neonatal Rat Hippocampus. *Frontiers in Cellular Neuroscience*, **2011**, 5, 16	6.1	39
390	Enhanced Synaptic Activity and Epileptiform Events in the Embryonic KCC2 Deficient Hippocampus. *Frontiers in Cellular Neuroscience*, **2011**, 5, 23	6.1	30
389	Excitatory action of GABA on immature neurons is not due to absence of ketone bodies metabolites or other energy substrates. *Epilepsia*, **2011**, 52, 1544-58	6.4	14
388	The immature brain needs GABA to be excited and hyper-excited. *Journal of Physiology*, **2011**, 589, 2655-69	6	6

387	Neuronal chloride accumulation and excitatory GABA underlie aggravation of neonatal epileptiform activities by phenobarbital. *Brain*, **2011**, 134, 987-1002	11.2	102
386	Depolarizing actions of GABA in immature neurons depend neither on ketone bodies nor on pyruvate. *Journal of Neuroscience*, **2011**, 31, 34-45	6.6	48
385	A selective interplay between aberrant EPSPKA and INaP reduces spike timing precision in dentate granule cells of epileptic rats. *Cerebral Cortex*, **2010**, 20, 898-911	5.1	26
384	A conserved switch in sensory processing prepares developing neocortex for vision. *Neuron*, **2010**, 67, 480-98	13.9	180
383	Phenotypic checkpoints regulate neuronal development. *Trends in Neurosciences*, **2010**, 33, 485-92	13.3	67
382	The diuretic bumetanide decreases autistic behaviour in five infants treated during 3 months with no side effects. *Acta Paediatrica, International Journal of Paediatrics*, **2010**, 99, 1885-8	3.1	90
381	Primary and secondary mechanisms of epileptogenesis in the temporal lobe: there is a before and an after. *Epilepsy Currents*, **2010**, 10, 118-25	1.3	54
380	Kainate and temporal lobe epilepsies: Three decades of progress. *Epilepsia*, **2010**, 51, 40-40	6.4	5
379	GABA | GABA Excites Immature Neurons: Implications for the Epilepsies **2009**, 278-284		2
378	Abnormal network activity in a targeted genetic model of human double cortex. *Journal of Neuroscience*, **2009**, 29, 313-27	6.6	65
377	Dopamine-deprived striatal GABAergic interneurons burst and generate repetitive gigantic IPSCs in medium spiny neurons. *Journal of Neuroscience*, **2009**, 29, 7776-87	6.6	66
376	GABAA Receptors: Developmental Roles **2009**, 453-461		
375	NMDA receptors pattern early activity in the developing barrel cortex in vivo. *Cerebral Cortex*, **2009**, 19, 688-96	5.1	64
374	Inhibitory actions of the gamma-aminobutyric acid in pediatric Sturge-Weber syndrome. *Annals of Neurology*, **2009**, 66, 209-18	9.4	24
373	Fast ripples: what do new data about gap junctions and disrupted spike firing reveal about underlying mechanisms?. *Epilepsy Currents*, **2009**, 9, 57-9	1.3	1
372	GABAergic hub neurons orchestrate synchrony in developing hippocampal networks. *Science*, **2009**, 326, 1419-24	33.3	479
371	Bumetanide, an NKCC1 antagonist, does not prevent formation of epileptogenic focus but blocks epileptic focus seizures in immature rat hippocampus. *Journal of Neurophysiology*, **2009**, 101, 2878-88	3.2	73
370	OSCILLATORY ACTIVITY | Seizures Beget Seizures in the Developing Brain: Central Role of GABA and High Frequency Oscillations **2009**, 1019-1023		1

369	Relevance of basic research to clinical data: good answers, wrong questions!. *Epilepsy Currents*, **2008**, 8, 19-22	1.3	2
368	Seizures beget seizures in temporal lobe epilepsies: the boomerang effects of newly formed aberrant kainatergic synapses. *Epilepsy Currents*, **2008**, 8, 68-72	1.3	43
367	GABA regulates stem cell proliferation before nervous system formation. *Epilepsy Currents*, **2008**, 8, 137-9	1.3	16
366	Postnatal changes in somatic gamma-aminobutyric acid signalling in the rat hippocampus. *European Journal of Neuroscience*, **2008**, 27, 2515-28	3.5	99
365	(R)-roscovitine, a cyclin-dependent kinase inhibitor, enhances tonic GABA inhibition in rat hippocampus. *Neuroscience*, **2008**, 156, 277-88	3.9	6
364	Neuro-archaeology: pre-symptomatic architecture and signature of neurological disorders. *Trends in Neurosciences*, **2008**, 31, 626-36	13.3	98
363	Effects of oxytocin on GABA signalling in the foetal brain during delivery. *Progress in Brain Research* , **2008**, 170, 243-57	2.9	52
362	Excitatory GABA in rodent developing neocortex in vitro. *Journal of Neurophysiology*, **2008**, 100, 609-19	3.2	107
361	Late-onset epileptogenesis and seizure genesis: lessons from models of cerebral ischemia. *Neuroscientist*, **2008**, 14, 78-90	7.6	17
360	Sequential generation of two distinct synapse-driven network patterns in developing neocortex. *Journal of Neuroscience*, **2008**, 28, 12851-63	6.6	193
359	Layer-specific generation and propagation of seizures in slices of developing neocortex: role of excitatory GABAergic synapses. *Journal of Neurophysiology*, **2008**, 100, 620-8	3.2	33
358	Antiepileptic drugs and brain maturation: fetal exposure to lamotrigine generates cortical malformations in rats. *Epilepsy Research*, **2008**, 78, 131-9	3	35
357	Epilepsies and neuronal plasticity: for better or for worse?. *Dialogues in Clinical Neuroscience*, **2008**, 10, 17-27	5.7	23
356	Inhibition of glutamate transporters results in a "suppression-burst" pattern and partial seizures in the newborn rat. *Epilepsia*, **2007**, 48, 169-74	6.4	32
355	Fetal exposure to GABA-acting antiepileptic drugs generates hippocampal and cortical dysplasias. *Epilepsia*, **2007**, 48, 684-93	6.4	100
354	GABA excites and sculpts immature neurons well before delivery: modulation by GABA of the development of ventricular progenitor cells. *Epilepsy Currents*, **2007**, 7, 167-9	1.3	12
353	GABA: a pioneer transmitter that excites immature neurons and generates primitive oscillations. *Physiological Reviews*, **2007**, 87, 1215-84	47.9	943
352	Network mechanisms of spindle-burst oscillations in the neonatal rat barrel cortex in vivo. *Journal of Neurophysiology*, **2007**, 97, 692-700	3.2	148

351	Cholinergic modulation of spindle bursts in the neonatal rat visual cortex in vivo. *Journal of Neuroscience*, **2007**, 27, 5694-705	6.6	53
350	Rapid cortical oscillations and early motor activity in premature human neonate. *Cerebral Cortex*, **2007**, 17, 1582-94	5.1	218
349	Synaptic kainate receptors tune oriens-lacunosum moleculare interneurons to operate at theta frequency. *Journal of Neuroscience*, **2007**, 27, 9560-72	6.6	68
348	Generation of slow network oscillations in the developing rat hippocampus after blockade of glutamate uptake. *Journal of Neurophysiology*, **2007**, 98, 2324-36	3.2	26
347	Physiologic and pathologic oscillations. *Trends in Neurosciences*, **2007**, 30, 307-308	13.3	2
346	A parturition-associated nonsynaptic coherent activity pattern in the developing hippocampus. *Neuron*, **2007**, 54, 105-20	13.9	143
345	Effects of seizures on developmental processes in the immature brain. *Lancet Neurology, The*, **2006**, 5, 1055-63	24.1	284
344	Interneurons targeting similar layers receive synaptic inputs with similar kinetics. *Hippocampus*, **2006**, 16, 408-20	3.5	29
343	Glutamate acting on AMPA but not NMDA receptors modulates the migration of hippocampal interneurons. *Journal of Neuroscience*, **2006**, 26, 5901-9	6.6	92
342	Ongoing epileptiform activity in the post-ischemic hippocampus is associated with a permanent shift of the excitatory-inhibitory synaptic balance in CA3 pyramidal neurons. *Journal of Neuroscience*, **2006**, 26, 7082-92	6.6	58
341	Retinal waves trigger spindle bursts in the neonatal rat visual cortex. *Journal of Neuroscience*, **2006**, 26, 6728-36	6.6	215
340	Maternal oxytocin triggers a transient inhibitory switch in GABA signaling in the fetal brain during delivery. *Science*, **2006**, 314, 1788-92	33.3	353
339	Preservation of the direct and indirect pathways in an in vitro preparation of the mouse basal ganglia. *Neuroscience*, **2006**, 140, 77-86	3.9	43
338	The dark side of high-frequency oscillations in the developing brain. *Trends in Neurosciences*, **2006**, 29, 419-427	13.3	92
337	Fourth INMED/TINS conference: Nature and nurture in brain development and neurological disorders. *Trends in Neurosciences*, **2006**, 29, 347-348	13.3	
336	Stiripentol, a putative antiepileptic drug, enhances the duration of opening of GABA-A receptor channels. *Epilepsia*, **2006**, 47, 704-16	6.4	117
335	Opposing role of synaptic and extrasynaptic NMDA receptors in regulation of the extracellular signal-regulated kinases (ERK) activity in cultured rat hippocampal neurons. *Journal of Physiology*, **2006**, 572, 789-98	3.9	246
334	Long-Term Plasticity at Inhibitory Synapses. *Frontiers in Neuroscience*, **2006**, 23-36		1

333	Basic developmental rules and their implications for epilepsy in the immature brain. *Epileptic Disorders*, **2006**, 8, 91-102	1.9	72
332	Trophic actions of GABA on neuronal development. *Trends in Neurosciences*, **2005**, 28, 278-83	13.3	353
331	Multiple facets of GABAergic neurons and synapses: multiple fates of GABA signalling in epilepsies. *Trends in Neurosciences*, **2005**, 28, 108-15	13.3	253
330	Epileptogenic actions of GABA and fast oscillations in the developing hippocampus. *Neuron*, **2005**, 48, 787-96	13.9	161
329	The multiple facets of gamma-aminobutyric acid dysfunction in epilepsy. *Current Opinion in Neurology*, **2005**, 18, 141-5	7.1	79
328	Early expression of KCC2 in rat hippocampal cultures augments expression of functional GABA synapses. *Journal of Physiology*, **2005**, 566, 671-9	3.9	112
327	Differential properties of dentate gyrus and CA1 neural precursors. *Journal of Neurobiology*, **2005**, 62, 243-61		33
326	Recurrent mossy fibers establish aberrant kainate receptor-operated synapses on granule cells from epileptic rats. *Journal of Neuroscience*, **2005**, 25, 8229-39	6.6	109
325	A noncanonical release of GABA and glutamate modulates neuronal migration. *Journal of Neuroscience*, **2005**, 25, 4755-65	6.6	175
324	Endogenous neurotrophins are required for the induction of GABAergic long-term potentiation in the neonatal rat hippocampus. *Journal of Neuroscience*, **2005**, 25, 5796-802	6.6	61
323	Altering cannabinoid signaling during development disrupts neuronal activity. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 9388-93	11.5	119
322	Glutamate transporters prevent the generation of seizures in the developing rat neocortex. *Journal of Neuroscience*, **2004**, 24, 3289-94	6.6	73
321	Early motor activity drives spindle bursts in the developing somatosensory cortex. *Nature*, **2004**, 432, 758-61	50.4	468
320	Spontaneous synaptic activity is required for the formation of functional GABAergic synapses in the developing rat hippocampus. *Journal of Physiology*, **2004**, 559, 129-39	3.9	41
319	Interneurons set the tune of developing networks. *Trends in Neurosciences*, **2004**, 27, 422-7	13.3	115
318	Membrane potential of CA3 hippocampal pyramidal cells during postnatal development. *Journal of Neurophysiology*, **2003**, 90, 2964-72	3.2	164
317	Ischemia induces short- and long-term remodeling of synaptic activity in the hippocampus. *Journal of Cellular and Molecular Medicine*, **2003**, 7, 401-7	5.6	50
316	Effects of antiepileptic drugs on refractory seizures in the intact immature corticohippocampal formation in vitro. *Epilepsia*, **2003**, 44, 1365-74	6.4	41

315	Compensatory dendritic growth of CA1 pyramidal cells following growth impairment in the neonatal period. *European Journal of Neuroscience*, **2003**, 18, 1332-6	3.5	10
314	In vitro formation of a secondary epileptogenic mirror focus by interhippocampal propagation of seizures. *Nature Neuroscience*, **2003**, 6, 1079-85	25.5	234
313	The NMDA receptor is coupled to the ERK pathway by a direct interaction between NR2B and RasGRF1. *Neuron*, **2003**, 40, 775-84	13.9	364
312	Interneurons are the source and the targets of the first synapses formed in the rat developing hippocampal circuit. *Cerebral Cortex*, **2003**, 13, 684-92	5.1	49
311	Paradoxical anti-epileptic effects of a GluR5 agonist of kainate receptors. *Journal of Neurophysiology*, **2002**, 88, 523-7	3.2	53
310	Early sequential formation of functional GABA(A) and glutamatergic synapses on CA1 interneurons of the rat foetal hippocampus. *European Journal of Neuroscience*, **2002**, 16, 197-208	3.5	110
309	Persistent epileptiform activity induced by low Mg2+ in intact immature brain structures. *European Journal of Neuroscience*, **2002**, 16, 850-60	3.5	43
308	In vivo blockade of neural activity alters dendritic development of neonatal CA1 pyramidal cells. *European Journal of Neuroscience*, **2002**, 16, 1931-8	3.5	49
307	Correlative fluorescence and electron microscopy of biocytin-filled neurons with a preservation of the postsynaptic ultrastructure. *Journal of Neuroscience Methods*, **2002**, 117, 81-5	3	7
306	Excitatory actions of gaba during development: the nature of the nurture. *Nature Reviews Neuroscience*, **2002**, 3, 728-39	13.5	1810
305	GABA Excitation during Development: the Nature of the Nurture. *Neurophysiology*, **2002**, 34, 81-82	0.6	1
304	Correlated bursts of activity in the neonatal hippocampus in vivo. *Science*, **2002**, 296, 2049-52	33.3	257
303	Seizure-induced damage in the developing human: relevance of experimental models. *Progress in Brain Research*, **2002**, 135, 321-34	2.9	44
302	Quantal release of glutamate generates pure kainate and mixed AMPA/kainate EPSCs in hippocampal neurons. *Neuron*, **2002**, 35, 147-59	13.9	124
301	Paracrine intercellular communication by a Ca2+- and SNARE-independent release of GABA and glutamate prior to synapse formation. *Neuron*, **2002**, 36, 1051-61	13.9	233
300	Long-term plasticity at GABAergic and glycinergic synapses: mechanisms and functional significance. *Trends in Neurosciences*, **2002**, 25, 564-70	13.3	244
299	Cell death and synaptic reorganizations produced by seizures. *Epilepsia*, **2001**, 42 Suppl 3, 5-7	6.4	131
298	Activity- and age-dependent GABAergic synaptic plasticity in the developing rat hippocampus. *European Journal of Neuroscience*, **2001**, 14, 1937-46	3.5	51

297	Dendritic but not somatic GABAergic inhibition is decreased in experimental epilepsy. *Nature Neuroscience*, **2001**, 4, 52-62	25.5	447
296	Neuronal mechanisms of the anoxia-induced network oscillations in the rat hippocampus in vitro. *Journal of Physiology*, **2001**, 536, 521-31	3.9	21
295	Morphology of CA3 non-pyramidal cells in the developing rat hippocampus. *Developmental Brain Research*, **2001**, 127, 157-64		9
294	Recurrent CA1 collateral axons in developing rat hippocampus. *Brain Research*, **2001**, 913, 195-200	3.7	14
293	The neurobiology and consequences of epilepsy in the developing brain. *Pediatric Research*, **2001**, 49, 320-5	3.2	186
292	Response: kainate receptors keep the excitement high. *Trends in Neurosciences*, **2001**, 24, 140-141	13.3	2
291	Developing networks play a similar melody. *Trends in Neurosciences*, **2001**, 24, 353-60	13.3	512
290	Presynaptic kainate receptors that enhance the release of GABA on CA1 hippocampal interneurons. *Neuron*, **2001**, 29, 497-508	13.9	137
289	Early development of neuronal activity in the primate hippocampus in utero. *Journal of Neuroscience*, **2001**, 21, 9770-81	6.6	195
288	Process formation results from the imbalance between motor-mediated forces. *Journal of Cell Science*, **2001**, 114, 3899-904	5.3	18
287	Generation and propagation of 4-AP-induced epileptiform activity in neonatal intact limbic structures in vitro. *European Journal of Neuroscience*, **2000**, 12, 2757-68	3.5	54
286	What is GABAergic inhibition? How is it modified in epilepsy?. *Epilepsia*, **2000**, 41 Suppl 6, S90-5	6.4	89
285	Permanent reduction of seizure threshold in post-ischemic CA3 pyramidal neurons. *Journal of Neurophysiology*, **2000**, 83, 2040-6	3.2	34
284	Distribution of spontaneous currents along the somato-dendritic axis of rat hippocampal CA1 pyramidal neurons. *Neuroscience*, **2000**, 99, 593-603	3.9	33
283	Kainate, a double agent that generates seizures: two decades of progress. *Trends in Neurosciences*, **2000**, 23, 580-7	13.3	542
282	Activation of presynaptic and postsynaptic ryanodine-sensitive calcium stores is required for the induction of long-term depression at GABAergic synapses in the neonatal rat hippocampus. *Journal of Neuroscience*, **2000**, 20, RC94	6.6	39
281	Neonatal seizures induced persistent changes in intrinsic properties of CA1 rat hippocampal cells. *Annals of Neurology*, **2000**, 47, 729-38	9.4	23
280	Mechanisms of induction and expression of long-term depression at GABAergic synapses in the neonatal rat hippocampus. *Journal of Neuroscience*, **1999**, 19, 7568-77	6.6	65

279	Abnormal connections in the malformed cortex of rats with prenatal treatment with methylazoxymethanol may support hyperexcitability. *Developmental Neuroscience*, **1999**, 21, 385-92	2.2	38
278	Three-independent-compartment chamber to study in vitro commissural synapses. *Journal of Neurophysiology*, **1999**, 81, 921-4	3.2	24
277	The establishment of GABAergic and glutamatergic synapses on CA1 pyramidal neurons is sequential and correlates with the development of the apical dendrite. *Journal of Neuroscience*, **1999**, 19, 10372-82	6.6	226
276	Increased cyclin D1 in vulnerable neurons in the hippocampus after ischaemia and epilepsy: a modulator of in vivo programmed cell death?. *European Journal of Neuroscience*, **1999**, 11, 263-78	3.5	108
275	Q/R editing of the rat GluR5 and GluR6 kainate receptors in vivo and in vitro: evidence for independent developmental, pathological and cellular regulation. *European Journal of Neuroscience* , **1999**, 11, 604-16	3.5	106
274	Mobilization of intracellular calcium stores participates in the rise of [Ca2+]i and the toxic actions of the HIV coat protein GP120. *European Journal of Neuroscience*, **1999**, 11, 1167-78	3.5	35
273	Calcium-dependent inactivation of the monosynaptic NMDA EPSCs in rat hippocampal neurons in culture. *European Journal of Neuroscience*, **1999**, 11, 2422-30	3.5	22
272	Acidic calponin immunoreactivity in postnatal rat brain and cultures: subcellular localization in growth cones, under the plasma membrane and along actin and glial filaments. *European Journal of Neuroscience*, **1999**, 11, 2801-12	3.5	39
271	Maturation of kainate-induced epileptiform activities in interconnected intact neonatal limbic structures in vitro. *European Journal of Neuroscience*, **1999**, 11, 3468-80	3.5	46
270	Late embryonic expression of AMPA receptor function in the CA1 region of the intact hippocampus in vitro. *European Journal of Neuroscience*, **1999**, 11, 4015-23	3.5	21
269	Long-term potentiation of GABAergic synaptic transmission in neonatal rat hippocampus. *Journal of Physiology*, **1999**, 518, 109-19	3.9	72
268	Cortical malformations and epilepsy: new insights from animal models. *Epilepsia*, **1999**, 40, 811-21	6.4	113
267	Consequences of cortical dysplasia during development in rats. *Epilepsia*, **1999**, 40, 537-44	6.4	52
266	Deficit of quantal release of GABA in experimental models of temporal lobe epilepsy. *Nature Neuroscience*, **1999**, 2, 499-500	25.5	97
265	Developmental study of miniature IPSCs of CA3 hippocampal cells: modulation by midazolam. *Developmental Brain Research*, **1999**, 114, 79-88		13
264	DNA damage and DNA damage-inducible protein Gadd45 following ischemia in the P7 neonatal rat. *Developmental Brain Research*, **1999**, 116, 133-40		26
263	Mossy fiber sprouting after recurrent seizures during early development in rats. *Journal of Comparative Neurology*, **1999**, 404, 537-53	3.4	194
262	Newly formed excitatory pathways provide a substrate for hyperexcitability in experimental temporal lobe epilepsy. *Journal of Comparative Neurology*, **1999**, 408, 449-60	3.4	207

261	Inflammatory responses in the cerebral cortex after ischemia in the P7 neonatal Rat. *Stroke*, **1999**, 30, 1916-23; discussion 1923-4	6.7	122
260	Dual role of GABA in the neonatal rat hippocampus. *Developmental Neuroscience*, **1999**, 21, 310-9	2.2	86
259	Epileptogenic action of caffeine during anoxia in the neonatal rat hippocampus. *Annals of Neurology*, **1999**, 46, 95-102	9.4	12
258	GABA is the principal fast-acting excitatory transmitter in the neonatal brain. *Advances in Neurology* , **1999**, 79, 189-201		75
257	Excitation and inhibition in temporal lobe epilepsy: a close encounter. *Advances in Neurology*, **1999**, 79, 821-8		5
256	Ultrastructural morphology of neuronal death following reversible focal ischemia in the rat. *Apoptosis: an International Journal on Programmed Cell Death*, **1998**, 3, 133-41	5.4	17
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