

Yehezkel Ben-Ari

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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.

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	Excitatory actions of gaba during development: the nature of the nurture. <i>Nature Reviews Neuroscience</i> , 2002 , 3, 728-39	13.5	1810
439	Limbic seizure and brain damage produced by kainic acid: mechanisms and relevance to human temporal lobe epilepsy. <i>Neuroscience</i> , 1985 , 14, 375-403	3.9	1508
438	Giant synaptic potentials in immature rat CA3 hippocampal neurones. <i>Journal of Physiology</i> , 1989 , 416, 303-25	3.9	1014
437	GABA: a pioneer transmitter that excites immature neurons and generates primitive oscillations. <i>Physiological Reviews</i> , 2007 , 87, 1215-84	47.9	943
436	GABA: an excitatory transmitter in early postnatal life. <i>Trends in Neurosciences</i> , 1991 , 14, 515-9	13.3	909
435	GABAA, NMDA and AMPA receptors: a developmentally regulated package. <i>Trends in Neurosciences</i> , 1997 , 20, 523-9	13.3	668
434	Electrographic, clinical and pathological alterations following systemic administration of kainic acid, bicuculline or pentetrazole: metabolic mapping using the deoxyglucose method with special reference to the pathology of epilepsy. <i>Neuroscience</i> , 1981 , 6, 1361-91	3.9	581
433	Kainate, a double agent that generates seizures: two decades of progress. <i>Trends in Neurosciences</i> , 2000 , 23, 580-7	13.3	542
432	Developing networks play a similar melody. <i>Trends in Neurosciences</i> , 2001 , 24, 353-60	13.3	512
431	GABAergic hub neurons orchestrate synchrony in developing hippocampal networks. <i>Science</i> , 2009 , 326, 1419-24	33.3	479
430	Early motor activity drives spindle bursts in the developing somatosensory cortex. <i>Nature</i> , 2004 , 432, 758-61	50.4	468
429	Dendritic but not somatic GABAergic inhibition is decreased in experimental epilepsy. <i>Nature Neuroscience</i> , 2001 , 4, 52-62	25.5	447
428	A cautionary note on the use of the TUNEL stain to determine apoptosis. <i>NeuroReport</i> , 1995 , 7, 61-64	1.7	429
427	Oxytocin-mediated GABA inhibition during delivery attenuates autism pathogenesis in rodent offspring. <i>Science</i> , 2014 , 343, 675-9	33.3	385
426	The role of epileptic activity in hippocampal and "remote" cerebral lesions induced by kainic acid. <i>Brain Research</i> , 1980 , 191, 79-97	3.7	380
425	The GABA excitatory/inhibitory shift in brain maturation and neurological disorders. <i>Neuroscientist</i> , 2012 , 18, 467-86	7.6	375
424	Kainate-induced apoptotic cell death in hippocampal neurons. <i>Neuroscience</i> , 1994 , 63, 7-18	3.9	373

423	The NMDA receptor is coupled to the ERK pathway by a direct interaction between NR2B and RasGRF1. <i>Neuron</i> , 2003 , 40, 775-84	13.9	364
422	Consequences of neonatal seizures in the rat: morphological and behavioral effects. <i>Annals of Neurology</i> , 1998 , 44, 845-57	9.4	358
421	Trophic actions of GABA on neuronal development. <i>Trends in Neurosciences</i> , 2005 , 28, 278-83	13.3	353
420	Maternal oxytocin triggers a transient inhibitory switch in GABA signaling in the fetal brain during delivery. <i>Science</i> , 2006 , 314, 1788-92	33.3	353
419	Ca ²⁺ oscillations mediated by the synergistic excitatory actions of GABA(A) and NMDA receptors in the neonatal hippocampus. <i>Neuron</i> , 1997 , 18, 243-55	13.9	344
418	Novel form of long-term potentiation produced by a K ⁺ channel blocker in the hippocampus. <i>Nature</i> , 1991 , 349, 67-9	50.4	338
417	Protein kinase C modulation of NMDA currents: an important link for LTP induction. <i>Trends in Neurosciences</i> , 1992 , 15, 333-9	13.3	325
416	Injections of kainic acid into the amygdaloid complex of the rat: an electrographic, clinical and histological study in relation to the pathology of epilepsy. <i>Neuroscience</i> , 1980 , 5, 515-28	3.9	322
415	Maturation of kainic acid seizure-brain damage syndrome in the rat. II. Histopathological sequelae. <i>Neuroscience</i> , 1984 , 13, 1073-94	3.9	319
414	Apoptosis and necrosis after reversible focal ischemia: an in situ DNA fragmentation analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1996 , 16, 186-94	7.3	300
413	Brief seizure episodes induce long-term potentiation and mossy fibre sprouting in the hippocampus. <i>Trends in Neurosciences</i> , 1990 , 13, 312-8	13.3	290
412	Neurogranin: immunocytochemical localization of a brain-specific protein kinase C substrate. <i>Journal of Neuroscience</i> , 1990 , 10, 3782-92	6.6	289
411	Effects of seizures on developmental processes in the immature brain. <i>Lancet Neurology</i> , 2006 , 5, 1055-63	24.1	284
410	Transient increased density of NMDA binding sites in the developing rat hippocampus. <i>Brain Research</i> , 1988 , 461, 393-6	3.7	268
409	Afferent connections to the amygdaloid complex of the rat and cat. I. Projections from the thalamus. <i>Journal of Comparative Neurology</i> , 1979 , 187, 401-24	3.4	267
408	GluR5 kainate receptor activation in interneurons increases tonic inhibition of pyramidal cells. <i>Nature Neuroscience</i> , 1998 , 1, 470-8	25.5	265
407	Kainate binding sites in the hippocampal mossy fibers: localization and plasticity. <i>Neuroscience</i> , 1987 , 20, 739-48	3.9	258
406	Correlated bursts of activity in the neonatal hippocampus in vivo. <i>Science</i> , 2002 , 296, 2049-52	33.3	257

405	Multiple facets of GABAergic neurons and synapses: multiple fates of GABA signalling in epilepsies. <i>Trends in Neurosciences</i> , 2005 , 28, 108-15	13.3	253
404	Opposing role of synaptic and extrasynaptic NMDA receptors in regulation of the extracellular signal-regulated kinases (ERK) activity in cultured rat hippocampal neurons. <i>Journal of Physiology</i> , 2006 , 572, 789-98	3.9	246
403	Long-term plasticity at GABAergic and glycinergic synapses: mechanisms and functional significance. <i>Trends in Neurosciences</i> , 2002 , 25, 564-70	13.3	244
402	In vitro formation of a secondary epileptogenic mirror focus by interhippocampal propagation of seizures. <i>Nature Neuroscience</i> , 2003 , 6, 1079-85	25.5	234
401	Evidence suggesting secondary epileptogenic lesion after kainic acid: pre treatment with diazepam reduces distant but not local brain damage. <i>Brain Research</i> , 1979 , 165, 362-5	3.7	234
400	Paracrine intercellular communication by a Ca ²⁺ - and SNARE-independent release of GABA and glutamate prior to synapse formation. <i>Neuron</i> , 2002 , 36, 1051-61	13.9	233
399	Regional variability in DNA fragmentation after global ischemia evidenced by combined histological and gel electrophoresis observations in the rat brain. <i>Journal of Neurochemistry</i> , 1993 , 61, 1973-6	6	231
398	The establishment of GABAergic and glutamatergic synapses on CA1 pyramidal neurons is sequential and correlates with the development of the apical dendrite. <i>Journal of Neuroscience</i> , 1999 , 19, 10372-82	6.6	226
397	Rapid cortical oscillations and early motor activity in premature human neonate. <i>Cerebral Cortex</i> , 2007 , 17, 1582-94	5.1	218
396	Retinal waves trigger spindle bursts in the neonatal rat visual cortex. <i>Journal of Neuroscience</i> , 2006 , 26, 6728-36	6.6	215
395	Involvement of GABA _A receptors in the outgrowth of cultured hippocampal neurons. <i>Neuroscience Letters</i> , 1993 , 152, 150-4	3.3	213
394	Newly formed excitatory pathways provide a substrate for hyperexcitability in experimental temporal lobe epilepsy. <i>Journal of Comparative Neurology</i> , 1999 , 408, 449-60	3.4	207
393	Changes in voltage dependence of NMDA currents during development. <i>Neuroscience Letters</i> , 1988 , 94, 88-92	3.3	206
392	Intracellular observations on the disinhibitory action of acetylcholine in the hippocampus. <i>Neuroscience</i> , 1981 , 6, 2475-84	3.9	203
391	Early development of neuronal activity in the primate hippocampus in utero. <i>Journal of Neuroscience</i> , 2001 , 21, 9770-81	6.6	195
390	Mossy fiber sprouting after recurrent seizures during early development in rats. <i>Journal of Comparative Neurology</i> , 1999 , 404, 537-53	3.4	194
389	Sequential generation of two distinct synapse-driven network patterns in developing neocortex. <i>Journal of Neuroscience</i> , 2008 , 28, 12851-63	6.6	193
388	Selective release of endogenous zinc from the hippocampal mossy fibers in situ. <i>Brain Research</i> , 1987 , 404, 58-64	3.7	191

387	Quisqualate Metabotropic Receptors Modulate NMDA Currents and Facilitate Induction of Long-Term Potentiation Through Protein Kinase C. <i>European Journal of Neuroscience</i> , 1992 , 4, 500-505	3.5	190
386	Maturation of kainic acid seizure-brain damage syndrome in the rat. I. Clinical, electrographic and metabolic observations. <i>Neuroscience</i> , 1984 , 13, 1051-72	3.9	188
385	The neurobiology and consequences of epilepsy in the developing brain. <i>Pediatric Research</i> , 2001 , 49, 320-5	3.2	186
384	Organization of the GABAergic system in the rat hippocampal formation: a quantitative immunocytochemical study. <i>Journal of Comparative Neurology</i> , 1989 , 280, 254-71	3.4	186
383	Hippocampal plasticity in the kindling model of epilepsy in rats. <i>Neuroscience Letters</i> , 1989 , 99, 345-50	3.3	186
382	A randomised controlled trial of bumetanide in the treatment of autism in children. <i>Translational Psychiatry</i> , 2012 , 2, e202	8.6	185
381	Alterations of the GluR-B AMPA receptor subunit flip/flop expression in kainate-induced epilepsy and ischemia. <i>Neuroscience</i> , 1993 , 57, 545-54	3.9	183
380	Synaptic GABAA activation induces Ca ²⁺ rise in pyramidal cells and interneurons from rat neonatal hippocampal slices. <i>Journal of Physiology</i> , 1995 , 487 (Pt 2), 319-29	3.9	182
379	A conserved switch in sensory processing prepares developing neocortex for vision. <i>Neuron</i> , 2010 , 67, 480-98	13.9	180
378	The GABA excitatory/inhibitory developmental sequence: a personal journey. <i>Neuroscience</i> , 2014 , 279, 187-219	3.9	179
377	A noncanonical release of GABA and glutamate modulates neuronal migration. <i>Journal of Neuroscience</i> , 2005 , 25, 4755-65	6.6	175
376	Hippocampal seizures and failure of inhibition. <i>Canadian Journal of Physiology and Pharmacology</i> , 1979 , 57, 1462-1466	2.4	171
375	Apoptotic features of selective neuronal death in ischemia, epilepsy and gp 120 toxicity. <i>Trends in Neurosciences</i> , 1996 , 19, 109-14	13.3	170
374	Effects of kainic acid-induced seizures and ischemia on c-fos-like proteins in rat brain. <i>Brain Research</i> , 1990 , 536, 183-94	3.7	167
373	Membrane potential of CA3 hippocampal pyramidal cells during postnatal development. <i>Journal of Neurophysiology</i> , 2003 , 90, 2964-72	3.2	164
372	A new model of focal status epilepticus: intra-amygdaloid application of kainic acid elicits repetitive secondarily generalized convulsive seizures. <i>Brain Research</i> , 1979 , 163, 176-9	3.7	164
371	Epileptogenic actions of GABA and fast oscillations in the developing hippocampus. <i>Neuron</i> , 2005 , 48, 787-96	13.9	161
370	A long-lasting calcium-activated nonselective cationic current is generated by synaptic stimulation or exogenous activation of group I metabotropic glutamate receptors in CA1 pyramidal neurons. <i>Journal of Neuroscience</i> , 1997 , 17, 5366-79	6.6	155

369	Epilepsy induced collateral sprouting of hippocampal mossy fibers: does it induce the development of ectopic synapses with granule cell dendrites?. <i>Hippocampus</i> , 1993 , 3, 257-68	3.5	153
368	Seizures in the developing brain: perhaps not so benign after all. <i>Neuron</i> , 1998 , 21, 1231-4	13.9	149
367	Network mechanisms of spindle-burst oscillations in the neonatal rat barrel cortex in vivo. <i>Journal of Neurophysiology</i> , 2007 , 97, 692-700	3.2	148
366	A parturition-associated nonsynaptic coherent activity pattern in the developing hippocampus. <i>Neuron</i> , 2007 , 54, 105-20	13.9	143
365	Hippocampal plasticity in childhood epilepsy. <i>Neuroscience Letters</i> , 1989 , 99, 351-5	3.3	140
364	Distribution of GABA-like immunoreactivity in the rat amygdaloid complex. <i>Journal of Comparative Neurology</i> , 1987 , 266, 45-55	3.4	140
363	Presynaptic kainate receptors that enhance the release of GABA on CA1 hippocampal interneurons. <i>Neuron</i> , 2001 , 29, 497-508	13.9	137
362	A model of transient unilateral focal ischemia with reperfusion in the P7 neonatal rat: morphological changes indicative of apoptosis. <i>Stroke</i> , 1998 , 29, 1454-60; discussion 1461	6.7	136
361	Galanin reduces release of endogenous excitatory amino acids in the rat hippocampus. <i>European Journal of Pharmacology</i> , 1993 , 245, 1-7		133
360	Cell death and synaptic reorganizations produced by seizures. <i>Epilepsia</i> , 2001 , 42 Suppl 3, 5-7	6.4	131
359	A novel in vitro preparation: the intact hippocampal formation. <i>Neuron</i> , 1997 , 19, 743-9	13.9	130
358	Long-lasting modification of the synaptic properties of rat CA3 hippocampal neurones induced by kainic acid. <i>Journal of Physiology</i> , 1988 , 404, 365-84	3.9	130
357	Synchronization of GABAergic interneuronal network in CA3 subfield of neonatal rat hippocampal slices. <i>Journal of Physiology</i> , 1997 , 498 (Pt 3), 763-72	3.9	129
356	Glutamate metabotropic receptors increase a Ca(2+)-activated nonspecific cationic current in CA1 hippocampal neurons. <i>Journal of Neurophysiology</i> , 1994 , 72, 1561-9	3.2	127
355	Spontaneous and evoked release of endogenous Zn ²⁺ in the hippocampal mossy fiber zone of the rat in situ. <i>Experimental Brain Research</i> , 1985 , 58, 202-5	2.3	127
354	Inhibitory effects of acetylcholine on neurones in the feline nucleus reticularis thalami. <i>Journal of Physiology</i> , 1976 , 261, 647-71	3.9	126
353	Tissue inhibitor of metalloproteinases-1 (TIMP-1) is differentially induced in neurons and astrocytes after seizures: evidence for developmental, immediate early gene, and lesion response. <i>Journal of Neuroscience</i> , 1997 , 17, 4223-35	6.6	125
352	Anoxia produces smaller changes in synaptic transmission, membrane potential, and input resistance in immature rat hippocampus. <i>Journal of Neurophysiology</i> , 1989 , 62, 882-95	3.2	125

351	Regional distribution of choline acetyltransferase and acetylcholinesterase within the amygdaloid complex and stria terminalis system. <i>Brain Research</i> , 1977 , 120, 435-44	3.7	125
350	Quantal release of glutamate generates pure kainate and mixed AMPA/kainate EPSCs in hippocampal neurons. <i>Neuron</i> , 2002 , 35, 147-59	13.9	124
349	gamma-Aminobutyric acid (GABA): a fast excitatory transmitter which may regulate the development of hippocampal neurones in early postnatal life. <i>Progress in Brain Research</i> , 1994 , 102, 261-73	3.9	124
348	Cell death, gliosis, and synaptic remodeling in the hippocampus of epileptic rats. <i>Journal of Neurobiology</i> , 1995 , 26, 413-25		124
347	Inflammatory responses in the cerebral cortex after ischemia in the P7 neonatal Rat. <i>Stroke</i> , 1999 , 30, 1916-23; discussion 1923-4	6.7	122
346	Altering cannabinoid signaling during development disrupts neuronal activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 9388-93	11.5	119
345	Stiripentol, a putative antiepileptic drug, enhances the duration of opening of GABA-A receptor channels. <i>Epilepsia</i> , 2006 , 47, 704-16	6.4	117
344	Kindling is associated with the formation of novel mossy fibre synapses in the CA3 region. <i>Experimental Brain Research</i> , 1992 , 92, 69-78	2.3	117
343	NKCC1 Chloride Importer Antagonists Attenuate Many Neurological and Psychiatric Disorders. <i>Trends in Neurosciences</i> , 2017 , 40, 536-554	13.3	115
342	Operative GABAergic inhibition in hippocampal CA1 pyramidal neurons in experimental epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 12151-6	11.5	115
341	Interneurons set the tune of developing networks. <i>Trends in Neurosciences</i> , 2004 , 27, 422-7	13.3	115
340	Refuting the challenges of the developmental shift of polarity of GABA actions: GABA more exciting than ever!. <i>Frontiers in Cellular Neuroscience</i> , 2012 , 6, 35	6.1	113
339	Cortical malformations and epilepsy: new insights from animal models. <i>Epilepsia</i> , 1999 , 40, 811-21	6.4	113
338	A selective LTP of NMDA receptor-mediated currents induced by anoxia in CA1 hippocampal neurons. <i>Journal of Neurophysiology</i> , 1993 , 70, 2045-55	3.2	113
337	Early expression of KCC2 in rat hippocampal cultures augments expression of functional GABA synapses. <i>Journal of Physiology</i> , 2005 , 566, 671-9	3.9	112
336	Inhibitory conductance changes and action of gamma-aminobutyrate in rat hippocampus. <i>Neuroscience</i> , 1981 , 6, 2445-63	3.9	112
335	Early sequential formation of functional GABA(A) and glutamatergic synapses on CA1 interneurons of the rat foetal hippocampus. <i>European Journal of Neuroscience</i> , 2002 , 16, 197-208	3.5	110
334	Recurrent mossy fibers establish aberrant kainate receptor-operated synapses on granule cells from epileptic rats. <i>Journal of Neuroscience</i> , 2005 , 25, 8229-39	6.6	109

333	Increased cyclin D1 in vulnerable neurons in the hippocampus after ischaemia and epilepsy: a modulator of in vivo programmed cell death?. <i>European Journal of Neuroscience</i> , 1999 , 11, 263-78	3.5	108
332	Excitatory GABA in rodent developing neocortex in vitro. <i>Journal of Neurophysiology</i> , 2008 , 100, 609-19	3.2	107
331	(RS)-alpha-methyl-4-carboxyphenylglycine neither prevents induction of LTP nor antagonizes metabotropic glutamate receptors in CA1 hippocampal neurons. <i>Journal of Neurophysiology</i> , 1993 , 70, 2684-9	3.2	107
330	Anoxic LTP sheds light on the multiple facets of NMDA receptors. <i>Trends in Neurosciences</i> , 1994 , 17, 497-503	3.3	107
329	Q/R editing of the rat GluR5 and GluR6 kainate receptors in vivo and in vitro: evidence for independent developmental, pathological and cellular regulation. <i>European Journal of Neuroscience</i> , 1999 , 11, 604-16	3.5	106
328	Transient increase of NMDA-binding sites in human hippocampus during development. <i>Neuroscience Letters</i> , 1989 , 99, 61-6	3.3	105
327	Galanin and Glibenclamide Modulate the Anoxic Release of Glutamate in Rat CA3 Hippocampal Neurons. <i>European Journal of Neuroscience</i> , 1990 , 2, 62-68	3.5	104
326	Choline acetyltransferase and acetylcholinesterase containing projections from the basal forebrain to the amygdaloid complex of the rat. <i>Brain Research</i> , 1979 , 165, 271-82	3.7	103
325	Neuronal chloride accumulation and excitatory GABA underlie aggravation of neonatal epileptiform activities by phenobarbital. <i>Brain</i> , 2011 , 134, 987-1002	11.2	102
324	Bidirectional plasticity expressed by GABAergic synapses in the neonatal rat hippocampus. <i>Journal of Physiology</i> , 1996 , 496 (Pt 2), 471-7	3.9	101
323	Fetal exposure to GABA-acting antiepileptic drugs generates hippocampal and cortical dysplasias. <i>Epilepsia</i> , 2007 , 48, 684-93	6.4	100
322	Postnatal changes in somatic gamma-aminobutyric acid signalling in the rat hippocampus. <i>European Journal of Neuroscience</i> , 2008 , 27, 2515-28	3.5	99
321	Glial reaction after seizure induced hippocampal lesion: immunohistochemical characterization of proliferating glial cells. <i>Journal of Neurocytology</i> , 1994 , 23, 641-56		99
320	Neuro-archaeology: pre-symptomatic architecture and signature of neurological disorders. <i>Trends in Neurosciences</i> , 2008 , 31, 626-36	13.3	98
319	Deficit of quantal release of GABA in experimental models of temporal lobe epilepsy. <i>Nature Neuroscience</i> , 1999 , 2, 499-500	25.5	97
318	Activators of ATP-sensitive K ⁺ channels reduce anoxic depolarization in CA3 hippocampal neurons. <i>Neuroscience</i> , 1990 , 37, 55-60	3.9	96
317	Long-term potentiation of synaptic transmission in the hippocampus induced by a bee venom peptide. <i>Nature</i> , 1987 , 328, 70-3	50.4	94
316	Glutamate acting on AMPA but not NMDA receptors modulates the migration of hippocampal interneurons. <i>Journal of Neuroscience</i> , 2006 , 26, 5901-9	6.6	92

315	The dark side of high-frequency oscillations in the developing brain. <i>Trends in Neurosciences</i> , 2006 , 29, 419-427	13.3	92
314	Spontaneous release of GABA activates GABAB receptors and controls network activity in the neonatal rat hippocampus. <i>Journal of Neurophysiology</i> , 1996 , 76, 1036-46	3.2	92
313	A cautionary note on the use of the TUNEL stain to determine apoptosis. <i>NeuroReport</i> , 1995 , 7, 61-4	1.7	91
312	The diuretic bumetanide decreases autistic behaviour in five infants treated during 3 months with no side effects. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2010 , 99, 1885-8	3.1	90
311	Morphine withdrawal syndrome: differential participation of structures located within the amygdaloid complex and striatum of the rat. <i>Brain Research</i> , 1979 , 177, 19-34	3.7	90
310	Regional distribution of tyrosine hydroxylase, norepinephrine and dopamine within the amygdaloid complex of the rat. <i>Brain Research</i> , 1975 , 87, 96-101	3.7	90
309	Neurochemical mapping of GABAergic systems in the amygdaloid complex and bed nucleus of the stria terminalis. <i>Brain Research</i> , 1978 , 155, 397-403	3.7	90
308	What is GABAergic inhibition? How is it modified in epilepsy?. <i>Epilepsia</i> , 2000 , 41 Suppl 6, S90-5	6.4	89
307	Early endonuclease activation following reversible focal ischemia in the rat brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1995 , 15, 385-8	7.3	89
306	Newborn Analgesia Mediated by Oxytocin during Delivery. <i>Frontiers in Cellular Neuroscience</i> , 2011 , 5, 3	6.1	87
305	Dual role of GABA in the neonatal rat hippocampus. <i>Developmental Neuroscience</i> , 1999 , 21, 310-9	2.2	86
304	Postnatal development of pre- and postsynaptic GABAB-mediated inhibitions in the CA3 hippocampal region of the rat. <i>Journal of Neurophysiology</i> , 1995 , 73, 246-55	3.2	83
303	Effects of bumetanide on neurobehavioral function in children and adolescents with autism spectrum disorders. <i>Translational Psychiatry</i> , 2017 , 7, e1056	8.6	82
302	Maturation of kainic acid seizure-brain damage syndrome in the rat. III. Postnatal development of kainic acid binding sites in the limbic system. <i>Neuroscience</i> , 1984 , 13, 1095-104	3.9	82
301	Giant depolarizing potentials: the septal pole of the hippocampus paces the activity of the developing intact septohippocampal complex in vitro. <i>Journal of Neuroscience</i> , 1998 , 18, 6349-57	6.6	80
300	Pharmacology of the dendritic action of acetylcholine and further observations on the somatic disinhibition in the rat hippocampus in situ. <i>Neuroscience</i> , 1983 , 8, 97-106	3.9	80
299	The multiple facets of gamma-aminobutyric acid dysfunction in epilepsy. <i>Current Opinion in Neurology</i> , 2005 , 18, 141-5	7.1	79
298	Postnatal maturation of gamma-aminobutyric acid A and B-mediated inhibition in the CA3 hippocampal region of the rat. <i>Journal of Neurobiology</i> , 1995 , 26, 339-49		79

297	Is birth a critical period in the pathogenesis of autism spectrum disorders?. <i>Nature Reviews Neuroscience</i> , 2015 , 16, 498-505	13.5	77
296	Selective suppression of excessive GluN2C expression rescues early epilepsy in a tuberous sclerosis murine model. <i>Nature Communications</i> , 2014 , 5, 4563	17.4	77
295	Neuronal migration disorders: heterotopic neocortical neurons in CA1 provide a bridge between the hippocampus and the neocortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 10263-8	11.5	76
294	Blockade of excitatory synaptic transmission by 6-cyano-7-nitroquinoxaline-2,3-dione (CNQX) in the hippocampus in vitro. <i>Neuroscience Letters</i> , 1988 , 92, 64-8	3.3	76
293	Blood flow compensates oxygen demand in the vulnerable CA3 region of the hippocampus during kainate-induced seizures. <i>Neuroscience</i> , 1984 , 13, 1039-49	3.9	76
292	Dopamine evoked inhibition of single cells of the feline putamen and basolateral amygdala. <i>Journal of Physiology</i> , 1976 , 256, 1-21	3.9	76
291	NMDA receptor redox sites: are they targets for selective neuronal protection?. <i>Trends in Pharmacological Sciences</i> , 1995 , 16, 368-74	13.2	75
290	aFGF, bFGF and flg mRNAs show distinct patterns of induction in the hippocampus following kainate-induced seizures. <i>European Journal of Neuroscience</i> , 1994 , 6, 58-66	3.5	75
289	GABA is the principal fast-acting excitatory transmitter in the neonatal brain. <i>Advances in Neurology</i> , 1999 , 79, 189-201		75
288	Anoxia-induced LTP of isolated NMDA receptor-mediated synaptic responses. <i>Journal of Neurophysiology</i> , 1993 , 69, 1774-8	3.2	74
287	Bumetanide, an NKCC1 antagonist, does not prevent formation of epileptogenic focus but blocks epileptic focus seizures in immature rat hippocampus. <i>Journal of Neurophysiology</i> , 2009 , 101, 2878-88	3.2	73
286	Glutamate transporters prevent the generation of seizures in the developing rat neocortex. <i>Journal of Neuroscience</i> , 2004 , 24, 3289-94	6.6	73
285	Rapid activation of hippocampal casein kinase II during long-term potentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 10232-6	11.5	73
284	Regional distribution of glutamate decarboxylase and gaba within the amygdaloid complex and stria terminalis system of the rat. <i>Journal of Neurochemistry</i> , 1976 , 26, 1279-83	6	73
283	Long-term potentiation of GABAergic synaptic transmission in neonatal rat hippocampus. <i>Journal of Physiology</i> , 1999 , 518, 109-19	3.9	72
282	Basic developmental rules and their implications for epilepsy in the immature brain. <i>Epileptic Disorders</i> , 2006 , 8, 91-102	1.9	72
281	Improving emotional face perception in autism with diuretic bumetanide: a proof-of-concept behavioral and functional brain imaging pilot study. <i>Autism</i> , 2015 , 19, 149-57	6.6	71
280	Pontine and mesencephalic afferents to the central nucleus of the amygdala of the rat. <i>Neuroscience Letters</i> , 1978 , 8, 329-34	3.3	70

279	Synaptic kainate receptors tune oriens-lacunosum moleculare interneurons to operate at theta frequency. <i>Journal of Neuroscience</i> , 2007 , 27, 9560-72	6.6	68
278	Cycloheximide Reduces the Effects of Anoxic Insult In Vivo and In Vitro. <i>European Journal of Neuroscience</i> , 1992 , 4, 758-765	3.5	68
277	Phenotypic checkpoints regulate neuronal development. <i>Trends in Neurosciences</i> , 2010 , 33, 485-92	13.3	67
276	Correlation between reactive sprouting and microtubule protein expression in epileptic hippocampus. <i>Neuroscience</i> , 1994 , 61, 773-87	3.9	67
275	Autoradiographic localization of kainic acid binding sites in the human hippocampus. <i>Brain Research</i> , 1985 , 343, 378-82	3.7	67
274	Dopamine-deprived striatal GABAergic interneurons burst and generate repetitive gigantic IPSCs in medium spiny neurons. <i>Journal of Neuroscience</i> , 2009 , 29, 7776-87	6.6	66
273	Abnormal network activity in a targeted genetic model of human double cortex. <i>Journal of Neuroscience</i> , 2009 , 29, 313-27	6.6	65
272	Interneurons are not so dormant in temporal lobe epilepsy: a critical reappraisal of the dormant basket cell hypothesis. <i>Epilepsy Research</i> , 1998 , 32, 93-103	3	65
271	Mechanisms of induction and expression of long-term depression at GABAergic synapses in the neonatal rat hippocampus. <i>Journal of Neuroscience</i> , 1999 , 19, 7568-77	6.6	65
270	Distribution of GABAergic neurons in late fetal and early postnatal rat hippocampus. <i>Developmental Brain Research</i> , 1989 , 50, 177-87		65
269	NMDA receptors pattern early activity in the developing barrel cortex in vivo. <i>Cerebral Cortex</i> , 2009 , 19, 688-96	5.1	64
268	Nitric oxide production and perivascular tyrosine nitration following focal ischemia in neonatal rat. <i>Journal of Neurochemistry</i> , 1998 , 70, 2516-25	6	63
267	Autoradiographic visualization of [3H]kainic acid receptor subtypes in the rat hippocampus. <i>Neuroscience Letters</i> , 1983 , 39, 237-42	3.3	63
266	Endogenous neurotrophins are required for the induction of GABAergic long-term potentiation in the neonatal rat hippocampus. <i>Journal of Neuroscience</i> , 2005 , 25, 5796-802	6.6	61
265	Hippocampal CA1 lacunosum-moleculare interneurons: comparison of effects of anoxia on excitatory and inhibitory postsynaptic currents. <i>Journal of Neurophysiology</i> , 1995 , 74, 2138-49	3.2	61
264	Metabotropic receptor-mediated long-term potentiation in rat hippocampal slices. <i>European Journal of Pharmacology</i> , 1991 , 205, 325-6	5.3	61
263	Morphine enhances amygdaloid seizures and increases inter-ictal spike frequency in kindled rats. <i>Neuroscience Letters</i> , 1977 , 6, 255-60	3.3	61
262	Anoxic LTP is mediated by the redox modulatory site of the NMDA receptor. <i>Journal of Neurophysiology</i> , 1994 , 72, 3017-22	3.2	60

261	Mechanisms and effects of seizures in the immature brain. <i>Seminars in Fetal and Neonatal Medicine</i> , 2013 , 18, 175-84	3-7	59
260	Neocortex in the hippocampus: an anatomical and functional study of CA1 heterotopias after prenatal treatment with methylazoxymethanol in rats. <i>Journal of Comparative Neurology</i> , 1998 , 394, 520-36	3-4	59
259	Timing of developmental sequences in different brain structures: physiological and pathological implications. <i>European Journal of Neuroscience</i> , 2012 , 35, 1846-56	3-5	58
258	Ongoing epileptiform activity in the post-ischemic hippocampus is associated with a permanent shift of the excitatory-inhibitory synaptic balance in CA3 pyramidal neurons. <i>Journal of Neuroscience</i> , 2006 , 26, 7082-92	6.6	58
257	Role of glutamate metabotropic receptors in long-term potentiation in the hippocampus. <i>Seminars in Neuroscience</i> , 1995 , 7, 127-135		58
256	Cytosine arabinoside induces apoptosis in cerebellar neurons in culture. <i>Journal of Neurochemistry</i> , 1995 , 64, 1980-7	6	57
255	Metabotropic receptor stimulation coupled to weak tetanus leads to long-term potentiation and a rapid elevation of cytosolic protein kinase C activity. <i>Brain Research</i> , 1993 , 613, 1-9	3-7	57
254	Hippocampal CA1 lacunosum-moleculare interneurons: modulation of monosynaptic GABAergic IPSCs by presynaptic GABAB receptors. <i>Journal of Neurophysiology</i> , 1995 , 74, 2126-37	3-2	56
253	Histamine synthesizing afferents within the amygdaloid complex and bed nucleus of the stria terminalis of the rat. <i>Brain Research</i> , 1977 , 138, 285-94	3-7	56
252	Gliosis and axonal sprouting in the hippocampus of epileptic rats are associated with an increase of tenascin-C immunoreactivity. <i>Journal of Neurocytology</i> , 1995 , 24, 611-24		55
251	Microiontophoretic effects of substance P on neurons of the medial amygdala and putamen of the rat. <i>Brain Research</i> , 1977 , 135, 174-9	3-7	55
250	Primary and secondary mechanisms of epileptogenesis in the temporal lobe: there is a before and an after. <i>Epilepsy Currents</i> , 2010 , 10, 118-25	1-3	54
249	Generation and propagation of 4-AP-induced epileptiform activity in neonatal intact limbic structures in vitro. <i>European Journal of Neuroscience</i> , 2000 , 12, 2757-68	3-5	54
248	Cholinergic modulation of spindle bursts in the neonatal rat visual cortex in vivo. <i>Journal of Neuroscience</i> , 2007 , 27, 5694-705	6.6	53
247	Paradoxical anti-epileptic effects of a GluR5 agonist of kainate receptors. <i>Journal of Neurophysiology</i> , 2002 , 88, 523-7	3-2	53
246	Effect of neonatal degranulation on the morphological development of rat CA3 pyramidal neurons: inductive role of mossy fibers on the formation of thorny excrescences. <i>Journal of Comparative Neurology</i> , 1992 , 321, 612-25	3-4	53
245	Is senile dementia of the Alzheimer type associated with hippocampal plasticity?. <i>Brain Research</i> , 1988 , 457, 355-9	3-7	53
244	Lateral amygdala unit activity: I. Relationship between spontaneous and evoked activity. <i>Electroencephalography and Clinical Neurophysiology</i> , 1974 , 37, 449-61		53

243	Effects of oxytocin on GABA signalling in the foetal brain during delivery. <i>Progress in Brain Research</i> , 2008 , 170, 243-57	2.9	52
242	Consequences of cortical dysplasia during development in rats. <i>Epilepsia</i> , 1999 , 40, 537-44	6.4	52
241	Long-term potentiation in the hippocampus of the anaesthetized rat is not associated with a sustained enhanced release of endogenous excitatory amino acids. <i>Neuroscience</i> , 1989 , 28, 387-92	3.9	52
240	Activity- and age-dependent GABAergic synaptic plasticity in the developing rat hippocampus. <i>European Journal of Neuroscience</i> , 2001 , 14, 1937-46	3.5	51
239	Actions of the p-chlorophenyl derivative of GABA, Lioresal, on nociceptive and non-nociceptive units in the spinal cord of the cat. <i>Brain Research</i> , 1976 , 117, 540-4	3.7	51
238	Ischemia induces short- and long-term remodeling of synaptic activity in the hippocampus. <i>Journal of Cellular and Molecular Medicine</i> , 2003 , 7, 401-7	5.6	50
237	In vivo blockade of neural activity alters dendritic development of neonatal CA1 pyramidal cells. <i>European Journal of Neuroscience</i> , 2002 , 16, 1931-8	3.5	49
236	Interneurons are the source and the targets of the first synapses formed in the rat developing hippocampal circuit. <i>Cerebral Cortex</i> , 2003 , 13, 684-92	5.1	49
235	Expression of LTP by AMPA and/or NMDA receptors is determined by the extent of NMDA receptors activation during the tetanus. <i>Journal of Neurophysiology</i> , 1995 , 74, 2349-57	3.2	49
234	Depolarizing actions of GABA in immature neurons depend neither on ketone bodies nor on pyruvate. <i>Journal of Neuroscience</i> , 2011 , 31, 34-45	6.6	48
233	Decreased seizure threshold and more rapid rate of kindling in rats with cortical malformation induced by prenatal treatment with methylazoxymethanol. <i>Brain Research</i> , 1998 , 812, 252-5	3.7	48
232	A simple method for the serial sectioning of fresh brain and the removal of identifiable nuclei from stained sections for biochemical analysis. <i>Journal of Neurochemistry</i> , 1976 , 26, 1285-7	6	48
231	Large amplitude miniature excitatory postsynaptic currents in hippocampal CA3 pyramidal neurons are of mossy fiber origin. <i>Journal of Neurophysiology</i> , 1997 , 77, 1075-86	3.2	47
230	Glutamate-induced neuronal death in cerebellar culture is mediated by two distinct components: a sodium-chloride component and a calcium component. <i>Brain Research</i> , 1994 , 650, 49-55	3.7	47
229	Proliferative astrocytes may express fibronectin-like protein in the hippocampus of epileptic rats. <i>Neuroscience Letters</i> , 1994 , 180, 13-6	3.3	47
228	Maturation of kainate-induced epileptiform activities in interconnected intact neonatal limbic structures in vitro. <i>European Journal of Neuroscience</i> , 1999 , 11, 3468-80	3.5	46
227	Mossy fiber sprouting in epileptic rats is associated with a transient increased expression of alpha-tubulin. <i>Neuroscience Letters</i> , 1993 , 156, 149-52	3.3	46
226	Hippocampal inhibitory interneurons are functionally disconnected from excitatory inputs by anoxia. <i>Journal of Neurophysiology</i> , 1993 , 70, 2251-9	3.2	46

225	Regional distribution of met-enkephalin within the amygdaloid complex and bed nucleus of the stria terminalis. <i>Neuroscience Letters</i> , 1978 , 10, 193-6	3-3	46
224	Epileptiform bursts elicited in CA3 hippocampal neurons by a variety of convulsants are not blocked by N-methyl-D-aspartate antagonists. <i>Brain Research</i> , 1988 , 459, 265-74	3-7	45
223	Bumetanide for autism: more eye contact, less amygdala activation. <i>Scientific Reports</i> , 2018 , 8, 3602	4-9	44
222	Seizure-induced damage in the developing human: relevance of experimental models. <i>Progress in Brain Research</i> , 2002 , 135, 321-34	2-9	44
221	Direct demonstration of functional disconnection by anoxia of inhibitory interneurons from excitatory inputs in rat hippocampus. <i>Journal of Neurophysiology</i> , 1995 , 73, 421-6	3-2	44
220	Neonatal irradiation prevents the formation of hippocampal mossy fibers and the epileptic action of kainate on rat CA3 pyramidal neurons. <i>Journal of Neurophysiology</i> , 1994 , 71, 204-15	3-2	44
219	From seizures to neo-synaptogenesis: intrinsic and extrinsic determinants of mossy fiber sprouting in the adult hippocampus. <i>Hippocampus</i> , 1994 , 4, 270-4	3-5	44
218	Reactive astrocytes in the kainic acid-damage hippocampus have the phenotypic features of type-2 astrocytes. <i>Journal of Neurocytology</i> , 1993 , 22, 299-310		44
217	Seizures beget seizures in temporal lobe epilepsies: the boomerang effects of newly formed aberrant kainatergic synapses. <i>Epilepsy Currents</i> , 2008 , 8, 68-72	1-3	43
216	Preservation of the direct and indirect pathways in an in vitro preparation of the mouse basal ganglia. <i>Neuroscience</i> , 2006 , 140, 77-86	3-9	43
215	Persistent epileptiform activity induced by low Mg ²⁺ in intact immature brain structures. <i>European Journal of Neuroscience</i> , 2002 , 16, 850-60	3-5	43
214	Two binding sites for [3H]glibenclamide in the rat brain. <i>Brain Research</i> , 1991 , 542, 151-4	3-7	43
213	Developmental study of benzodiazepine effects on monosynaptic GABAA-mediated IPSPs of rat hippocampal neurons. <i>Journal of Neurophysiology</i> , 1993 , 70, 1076-85	3-2	42
212	Plasticity at unitary level. II. Modifications during sensory-sensory association procedures. <i>Electroencephalography and Clinical Neurophysiology</i> , 1972 , 32, 667-79		42
211	Treating Fragile X syndrome with the diuretic bumetanide: a case report. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2013 , 102, e288-90	3-1	41
210	Spontaneous synaptic activity is required for the formation of functional GABAergic synapses in the developing rat hippocampus. <i>Journal of Physiology</i> , 2004 , 559, 129-39	3-9	41
209	Effects of antiepileptic drugs on refractory seizures in the intact immature corticohippocampal formation in vitro. <i>Epilepsia</i> , 2003 , 44, 1365-74	6-4	41
208	Transient increase of tenascin-C in immature hippocampus: astroglial and neuronal expression. <i>Journal of Neurocytology</i> , 1996 , 25, 53-66		41

207	Molecular correlates between reactive and developmental plasticity in the rat hippocampus. <i>Journal of Neurobiology</i> , 1995 , 26, 426-36		41
206	GABAergic inhibition in dual-transmission cholinergic and GABAergic striatal interneurons is abolished in Parkinson disease. <i>Nature Communications</i> , 2018 , 9, 1422	17.4	40
205	The HIV-1 envelope protein gp120 induces neuronal apoptosis in hippocampal slices. <i>NeuroReport</i> , 1996 , 7, 433-6	1.7	40
204	The allosteric glycine site of the N-methyl-D-aspartate receptor modulates GABAergic-mediated synaptic events in neonatal rat CA3 hippocampal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990 , 87, 343-6	11.5	40
203	Intra-amygdaloid injections of kainic acid: regional metabolic changes and their relation to the pathological alterations. <i>Neuroscience</i> , 1983 , 8, 299-315	3.9	40
202	Kainate reduces two voltage-dependent potassium conductances in rat hippocampal neurons in vitro. <i>Brain Research</i> , 1986 , 385, 411-4	3.7	40
201	Phenobarbital but Not Diazepam Reduces AMPA/kainate Receptor Mediated Currents and Exerts Opposite Actions on Initial Seizures in the Neonatal Rat Hippocampus. <i>Frontiers in Cellular Neuroscience</i> , 2011 , 5, 16	6.1	39
200	Acidic calponin immunoreactivity in postnatal rat brain and cultures: subcellular localization in growth cones, under the plasma membrane and along actin and glial filaments. <i>European Journal of Neuroscience</i> , 1999 , 11, 2801-12	3.5	39
199	Regional distribution of sulfonylurea receptors in the brain of rodent and primate. <i>Neuroscience</i> , 1993 , 55, 1085-91	3.9	39
198	NCAM immunoreactivity on mossy fibers and reactive astrocytes in the hippocampus of epileptic rats. <i>Brain Research</i> , 1993 , 626, 106-16	3.7	39
197	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. <i>Journal of Neuroscience</i> , 2000 , 20, RC94	6.6	39
196	Abnormal connections in the malformed cortex of rats with prenatal treatment with methylazoxymethanol may support hyperexcitability. <i>Developmental Neuroscience</i> , 1999 , 21, 385-92	2.2	38
195	Development of high affinity kainate binding sites in human and rat hippocampi. <i>Brain Research</i> , 1986 , 384, 170-4	3.7	38
194	Tubacin prevents neuronal migration defects and epileptic activity caused by rat Srxp2 silencing in utero. <i>Brain</i> , 2013 , 136, 2457-73	11.2	37
193	Pioneer glutamatergic cells develop into a morpho-functionally distinct population in the juvenile CA3 hippocampus. <i>Nature Communications</i> , 2012 , 3, 1316	17.4	37
192	Subcellular fractionation on Percoll gradient of mossy fiber synaptosomes: morphological and biochemical characterization in control and degranulated rat hippocampus. <i>Journal of Neurochemistry</i> , 1994 , 62, 1586-95	6	37
191	Seizures induce tenascin-C mRNA expression in neurons. <i>Journal of Neurocytology</i> , 1996 , 25, 535-46		37
190	Anoxic changes in dentate granule cells. <i>Neuroscience Letters</i> , 1989 , 107, 89-93	3.3	37

189	Intracellular injection of a Ca ²⁺ chelator prevents generation of anoxic LTP. <i>Journal of Neurophysiology</i> , 1996 , 75, 770-9	3.2	36
188	Treating Schizophrenia With the Diuretic Bumetanide: A Case Report. <i>Clinical Neuropharmacology</i> , 2016 , 39, 115-7	1.4	36
187	Antiepileptic drugs and brain maturation: fetal exposure to lamotrigine generates cortical malformations in rats. <i>Epilepsy Research</i> , 2008 , 78, 131-9	3	35
186	Mobilization of intracellular calcium stores participates in the rise of [Ca ²⁺] _i and the toxic actions of the HIV coat protein GP120. <i>European Journal of Neuroscience</i> , 1999 , 11, 1167-78	3.5	35
185	Anoxia on slow inward currents of immature hippocampal neurons. <i>Journal of Neurophysiology</i> , 1989 , 62, 896-906	3.2	35
184	Permanent reduction of seizure threshold in post-ischemic CA3 pyramidal neurons. <i>Journal of Neurophysiology</i> , 2000 , 83, 2040-6	3.2	34
183	Anisomycin and cycloheximide protect cerebellar neurons in culture from anoxia. <i>Brain Research</i> , 1992 , 581, 323-6	3.7	34
182	Layer-specific generation and propagation of seizures in slices of developing neocortex: role of excitatory GABAergic synapses. <i>Journal of Neurophysiology</i> , 2008 , 100, 620-8	3.2	33
181	Differential properties of dentate gyrus and CA1 neural precursors. <i>Journal of Neurobiology</i> , 2005 , 62, 243-61		33
180	Distribution of spontaneous currents along the somato-dendritic axis of rat hippocampal CA1 pyramidal neurons. <i>Neuroscience</i> , 2000 , 99, 593-603	3.9	33
179	Ontogenesis of presynaptic GABAB receptor-mediated inhibition in the CA3 region of the rat hippocampus. <i>Journal of Neurophysiology</i> , 1998 , 79, 1341-8	3.2	33
178	Aberrant growth of mossy fibers and enhanced kainic acid binding sites induced in rats by early hyperthyroidism. <i>Brain Research</i> , 1987 , 423, 325-8	3.7	33
177	Redox modulation of synaptic responses and plasticity in rat CA1 hippocampal neurons. <i>Experimental Brain Research</i> , 1997 , 113, 343-52	2.3	32
176	Inhibition of glutamate transporters results in a "suppression-burst" pattern and partial seizures in the newborn rat. <i>Epilepsia</i> , 2007 , 48, 169-74	6.4	32
175	Biochemical correlates of long-term potentiation in hippocampal synapses. <i>International Review of Neurobiology</i> , 1993 , 35, 1-41	4.4	32
174	Development of mossy fiber synapses in hippocampal slice culture. <i>Developmental Brain Research</i> , 1994 , 80, 244-50		32
173	Endogenous and network bursts induced by N-methyl-D-aspartate and magnesium free medium in the CA3 region of the hippocampal slice. <i>Neuroscience</i> , 1989 , 28, 393-9	3.9	32
172	Effects of neonatal gamma-ray irradiation on rat hippocampus--I. Postnatal maturation of hippocampal cells. <i>Neuroscience</i> , 1991 , 42, 137-50	3.9	32

171	Enhancement of extracellular protein concentrations during long-term potentiation in the rat hippocampal slice. <i>Neuroscience</i> , 1992 , 47, 265-72	3.9	31
170	Somatic and dendritic actions of gamma-aminobutyric acid agonists and uptake blockers in the hippocampus in vivo. <i>Neuroscience</i> , 1984 , 12, 543-55	3.9	31
169	Regional distribution of somatostatin within the amygdaloid complex of the rat brain. <i>Brain Research</i> , 1979 , 174, 172-4	3.7	31
168	Electrical stimulation of preganglionic nerve increases tyrosine hydroxylase activity in sympathetic ganglia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1977 , 74, 3078-80	11.5	31
167	Response to Comment on "Oxytocin-mediated GABA inhibition during delivery attenuates autism pathogenesis in rodent offspring". <i>Science</i> , 2014 , 346, 176	33.3	30
166	Enhanced Synaptic Activity and Epileptiform Events in the Embryonic KCC2 Deficient Hippocampus. <i>Frontiers in Cellular Neuroscience</i> , 2011 , 5, 23	6.1	30
165	Bicuculline induces ictal seizures in the intact hippocampus recorded in vitro. <i>European Journal of Pharmacology</i> , 1997 , 319, R5-6	5.3	30
164	Effect of seizures induced by intra-amygdaloid kainic acid on kainic acid binding sites in rat hippocampus and amygdala. <i>Journal of Neurochemistry</i> , 1986 , 47, 720-7	6	30
163	Developmental and regional differences in the vulnerability of rat hippocampal slices to lack of glucose. <i>Neuroscience</i> , 1992 , 47, 579-87	3.9	30
162	Antagonism of spontaneous and evoked bursts by 6-cyano-7-nitroquinoxaline-2,3-dione (CNQX) in the CA3 region of the in vitro hippocampus. <i>Brain Research</i> , 1988 , 474, 201-3	3.7	30
161	Apoptosis and programmed cell death: a role in cerebral ischemia. <i>Biomedicine and Pharmacotherapy</i> , 1998 , 52, 264-9	7.5	29
160	Interneurons targeting similar layers receive synaptic inputs with similar kinetics. <i>Hippocampus</i> , 2006 , 16, 408-20	3.5	29
159	Structure, regional and developmental expression of rat MAP2d, a MAP2 splice variant encoding four microtubule-binding domains. <i>Neurochemistry International</i> , 1994 , 25, 327-38	4.4	29
158	Modulation of GABA-mediated Synaptic Potentials by Glutamatergic Agonists in Neonatal CA3 Rat Hippocampal Neurons. <i>European Journal of Neuroscience</i> , 1991 , 3, 301-309	3.5	29
157	Increase in Specific Proteins and mRNAs Following Transient Anoxia - Aglycaemia in Rat CA1 Hippocampal Slices. <i>European Journal of Neuroscience</i> , 1992 , 4, 766-776	3.5	29
156	Release of proteins during long-term potentiation in the hippocampus of the anaesthetized rat. <i>Neuroscience Letters</i> , 1988 , 91, 308-14	3.3	29
155	Characterization of sulfonylurea receptors and the action of potassium channel openers on cholinergic neurotransmission in guinea pig isolated small intestine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1991 , 259, 566-73	4.7	29
154	Dual cholinergic modulation of hippocampal somatic and dendritic field potentials by the septo-hippocampal pathway. <i>Experimental Brain Research</i> , 1983 , 49, 151-5	2.3	28

153	Identification of authentic substance P in striatonigral and amygdaloid nuclei using combined high performance liquid chromatography and radioimmunoassay. <i>Brain Research</i> , 1979 , 173, 360-3	3.7	28
152	Different GABAB-mediated effects on protein kinase C activity and immunoreactivity in neonatal and adult rat hippocampal slices. <i>Journal of Neurochemistry</i> , 1995 , 65, 863-70	6	27
151	Diazepam pretreatment reduces distant hippocampal damage induced by intra-amygdaloid injections of kainic acid. <i>European Journal of Pharmacology</i> , 1978 , 52, 419-20	5.3	27
150	Early alterations in a mouse model of Rett syndrome: the GABA developmental shift is abolished at birth. <i>Scientific Reports</i> , 2019 , 9, 9276	4.9	26
149	A selective interplay between aberrant EPSPKA and INaP reduces spike timing precision in dentate granule cells of epileptic rats. <i>Cerebral Cortex</i> , 2010 , 20, 898-911	5.1	26
148	Generation of slow network oscillations in the developing rat hippocampus after blockade of glutamate uptake. <i>Journal of Neurophysiology</i> , 2007 , 98, 2324-36	3.2	26
147	DNA damage and DNA damage-inducible protein Gadd45 following ischemia in the P7 neonatal rat. <i>Developmental Brain Research</i> , 1999 , 116, 133-40		26
146	In CA1 hippocampal neurons, the redox state of NMDA receptors determines LTP expressed by NMDA but not by AMPA receptors. <i>Journal of Neurophysiology</i> , 1995 , 73, 2612-7	3.2	26
145	Autoradiographic study of the cellular localization of [3H]glibenclamide binding sites in the rat hippocampus. <i>Neuroscience Letters</i> , 1991 , 127, 21-4	3.3	26
144	Usefulness of parenteral kainic acid as a model of temporal lobe epilepsy. <i>Revue D'electroencephalographie Et De Neurophysiologie Clinique</i> , 1984 , 14, 241-6		26
143	Effects of kainate on the excitability of rat hippocampal neurones. <i>Epilepsy Research</i> , 1990 , 5, 18-27	3	25
142	Failure of the Nemo Trial: Bumetanide Is a Promising Agent to Treat Many Brain Disorders but Not Newborn Seizures. <i>Frontiers in Cellular Neuroscience</i> , 2016 , 10, 90	6.1	25
141	Inhibitory actions of the gamma-aminobutyric acid in pediatric Sturge-Weber syndrome. <i>Annals of Neurology</i> , 2009 , 66, 209-18	9.4	24
140	Three-independent-compartment chamber to study in vitro commissural synapses. <i>Journal of Neurophysiology</i> , 1999 , 81, 921-4	3.2	24
139	Hippocampal damage induced by ischemia and intra-amygdaloid kainate injection: effect on N-methyl-D-aspartate, N-(1-[2-thienyl]cyclohexyl)piperidine and glycine binding sites. <i>Neuroscience</i> , 1989 , 31, 605-12	3.9	24
138	Is activation of N-methyl-D-aspartate receptor gated channels sufficient to induce long term potentiation?. <i>Neuroscience Letters</i> , 1987 , 80, 283-8	3.3	24
137	Brief anoxic episodes induce long-lasting changes in synaptic properties of rat CA3 hippocampal neurons. <i>Neuroscience Letters</i> , 1988 , 90, 273-8	3.3	24
136	Lateral amygdala unit activity: II. Habituating and non-habituating neurons. <i>Electroencephalography and Clinical Neurophysiology</i> , 1974 , 37, 463-72		24

135	MAP2d promotes bundling and stabilization of both microtubules and microfilaments. <i>Journal of Cell Science</i> , 1996 , 109, 1095-1103	5.3	24
134	Neonatal gamma-ray irradiation impairs learning and memory of an olfactory associative task in adult rats. <i>European Journal of Neuroscience</i> , 1997 , 9, 884-94	3.5	23
133	Long-lasting enhanced expression in the rat hippocampus of NMDAR1 splice variants in a kainate model of epilepsy. <i>European Journal of Neuroscience</i> , 1998 , 10, 497-507	3.5	23
132	Enhanced NMDAR-dependent epileptiform activity is controlled by oxidizing agents in a chronic model of temporal lobe epilepsy. <i>Journal of Neurophysiology</i> , 1996 , 76, 4185-9	3.2	23
131	Multiple forms of long-term potentiation and multiple regulatory sites of N-methyl-D-aspartate receptors: role of the redox site. <i>Journal of Neurobiology</i> , 1995 , 26, 360-9		23
130	Sulphonylureas reduce the slowly inactivating D-type outward current in rat hippocampal neurons. <i>Journal of Physiology</i> , 1993 , 466, 39-54	3.9	23
129	Epilepsies and neuronal plasticity: for better or for worse?. <i>Dialogues in Clinical Neuroscience</i> , 2008 , 10, 17-27	5.7	23
128	Neonatal seizures induced persistent changes in intrinsic properties of CA1 rat hippocampal cells. <i>Annals of Neurology</i> , 2000 , 47, 729-38	9.4	23
127	Calcium-dependent inactivation of the monosynaptic NMDA EPSCs in rat hippocampal neurons in culture. <i>European Journal of Neuroscience</i> , 1999 , 11, 2422-30	3.5	22
126	Zinc and GABA in developing brain. <i>Nature</i> , 1991 , 353, 220	50.4	22
125	GABAergic mechanisms in the CA3 hippocampal region during early postnatal life. <i>Progress in Brain Research</i> , 1990 , 83, 313-21	2.9	22
124	Differential expression of fibronectin, tenascin-C and NCAMs in cultured hippocampal astrocytes activated by kainate, bacterial lipopolysaccharide or basic fibroblast growth factor. <i>Brain Research</i> , 1997 , 775, 63-73	3.7	21
123	Neuronal mechanisms of the anoxia-induced network oscillations in the rat hippocampus in vitro. <i>Journal of Physiology</i> , 2001 , 536, 521-31	3.9	21
122	Late embryonic expression of AMPA receptor function in the CA1 region of the intact hippocampus in vitro. <i>European Journal of Neuroscience</i> , 1999 , 11, 4015-23	3.5	21
121	Intra-amygdaloid applications of naloxone elicits severe withdrawal signs in morphine dependent rats. <i>Neuroscience Letters</i> , 1978 , 8, 241-5	3.3	21
120	Benzodiazepines do not potentiate GABA responses in neonatal hippocampal neurons. <i>Neuroscience Letters</i> , 1991 , 130, 157-61	3.3	20
119	Gabaergic neurons of the hippocampus: development in homotopic grafts and in dissociated cell cultures. <i>Neuroscience</i> , 1987 , 23, 73-86	3.9	20
118	FGF-2 induces nerve growth factor expression in cultured rat hippocampal neurons. <i>European Journal of Neuroscience</i> , 1997 , 9, 1282-9	3.5	19

117	Regulation of apoptosis-associated proteins in cell death following transient focal ischemia in rat pups. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 1997 , 2, 368-76	5.4	19
116	Distribution of caldesmon and of the acidic isoform of calponin in cultured cerebellar neurons and in different regions of the rat brain: an immunofluorescence and confocal microscopy study. <i>Experimental Cell Research</i> , 1995 , 221, 333-43	4.2	19
115	Reactive glial cells express a vitronectin-like protein in the hippocampus of epileptic rats. <i>Glia</i> , 1996 , 16, 359-67	9	19
114	Block of GABA _B -activated K ⁺ conductance by kainate and quisqualate in rat CA3 hippocampal pyramidal neurones. <i>Pflugers Archiv European Journal of Physiology</i> , 1990 , 415, 471-8	4.6	19
113	Long-lasting potentiation produced by a phorbol ester in the hippocampus of the anaesthetized rat is not associated with a persistent enhanced release of excitatory amino acids. <i>Neuroscience Letters</i> , 1987 , 81, 291-5	3.3	19
112	Exclusively inhibitory action of iontophoretic acetylcholine on single neurones of feline thalamus. <i>Nature</i> , 1976 , 259, 327-30	50.4	19
111	Redox sites of NMDA receptors can modulate epileptiform activity in hippocampal slices from kainic acid-treated rats. <i>Neuroscience Letters</i> , 1996 , 212, 171-4	3.3	18
110	Molecular and cellular cascades in seizure-induced neosynapse formation. <i>Advances in Neurology</i> , 1997 , 72, 25-34		18
109	Process formation results from the imbalance between motor-mediated forces. <i>Journal of Cell Science</i> , 2001 , 114, 3899-904	5.3	18
108	Term or Preterm Cesarean Section Delivery Does Not Lead to Long-term Detrimental Consequences in Mice. <i>Cerebral Cortex</i> , 2019 , 29, 2424-2436	5.1	17
107	Ultrastructural morphology of neuronal death following reversible focal ischemia in the rat. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 1998 , 3, 133-41	5.4	17
106	Late-onset epileptogenesis and seizure genesis: lessons from models of cerebral ischemia. <i>Neuroscientist</i> , 2008 , 14, 78-90	7.6	17
105	Synaptic plasticity in ischemia: role of NMDA receptors. <i>Progress in Brain Research</i> , 1998 , 116, 273-85	2.9	17
104	NG-nitro-L-arginine methyl ester reduces necrotic but not apoptotic cell death induced by reversible focal ischemia in rat. <i>European Journal of Pharmacology</i> , 1996 , 310, 137-40	5.3	17
103	The K ⁺ channel opener diazoxide enhances glutamatergic currents and reduces GABAergic currents in hippocampal neurons. <i>Journal of Neurophysiology</i> , 1993 , 69, 494-503	3.2	17
102	Persistent pulsatile release of glutamate induced by N-methyl-D-aspartate in neonatal rat hippocampal neurones. <i>Journal of Physiology</i> , 1991 , 436, 531-47	3.9	17
101	N-methyl-D-aspartate induces recurrent synchronized burst activity in immature hippocampal CA3 neurones in vitro. <i>Developmental Brain Research</i> , 1989 , 46, 1-8		17
100	MAP2d mRNA is expressed in identified neuronal populations in the developing and adult rat brain and its subcellular distribution differs from that of MAP2b in hippocampal neurones. <i>European Journal of Neuroscience</i> , 1998 , 10, 161-71	3.5	16

99	GABA regulates stem cell proliferation before nervous system formation. <i>Epilepsy Currents</i> , 2008 , 8, 137-43		16
98	Development of the cholinergic system in control and intra-uterine growth retarded rat brain. <i>Developmental Brain Research</i> , 1989 , 47, 71-9		16
97	Developmental study of [3H]TCP and [3H]glycine binding sites in the rat hippocampus. <i>Developmental Brain Research</i> , 1990 , 57, 21-8		16
96	A multidisciplinary study of folic acid neurotoxicity: interactions with kainate binding sites and relevance to the aetiology of epilepsy. <i>Neuroscience</i> , 1984 , 12, 569-89	3.9	16
95	NMDA-dependent GABAA-mediated polysynaptic potentials in the neonatal rat hippocampal CA3 region. <i>European Journal of Neuroscience</i> , 1995 , 7, 1442-8	3.5	15
94	Plasticity at unitary level. I. An experimental design. <i>Electroencephalography and Clinical Neurophysiology</i> , 1972 , 32, 655-65		15
93	The GABA Developmental Shift Is Abolished by Maternal Immune Activation Already at Birth. <i>Cerebral Cortex</i> , 2019 , 29, 3982-3992	5.1	15
92	Oxytocin and Vasopressin, and the GABA Developmental Shift During Labor and Birth: Friends or Foes?. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 254	6.1	15
91	Blocking seizures with the diuretic bumetanide: promises and pitfalls. <i>Epilepsia</i> , 2012 , 53, 394-6	6.4	14
90	The developing cortex. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2013 , 111, 417-26	3	14
89	Excitatory action of GABA on immature neurons is not due to absence of ketone bodies metabolites or other energy substrates. <i>Epilepsia</i> , 2011 , 52, 1544-58	6.4	14
88	Recurrent CA1 collateral axons in developing rat hippocampus. <i>Brain Research</i> , 2001 , 913, 195-200	3.7	14
87	The NMDA receptor contributes to anoxic aglycemic induced irreversible inhibition of synaptic transmission. <i>Brain Research</i> , 1993 , 607, 54-60	3.7	14
86	Selective destruction of mossy fibers and granule cells with preservation of the GABAergic network in the inferior region of the rat hippocampus after colchicine treatment. <i>Journal of Comparative Neurology</i> , 1989 , 285, 274-87	3.4	14
85	Developmental study of miniature IPSCs of CA3 hippocampal cells: modulation by midazolam. <i>Developmental Brain Research</i> , 1999 , 114, 79-88		13
84	Inhibition of protein synthesis by the NMDA channel blocker MK-801. <i>NeuroReport</i> , 1994 , 5, 1110-2	1.7	13
83	Glibenclamide depresses the slowly inactivating outward current (ID) in hippocampal neurons. <i>Canadian Journal of Physiology and Pharmacology</i> , 1992 , 70, 306-7	2.4	13
82	D-aminophosphonovaleric acid-sensitive spontaneous giant EPSPs in immature rat hippocampal neurones. <i>European Journal of Pharmacology</i> , 1988 , 154, 221-2	5.3	13

81	Relationship between spontaneous and evoked unit activity in the amygdala of the cat. <i>Brain Research</i> , 1971 , 32, 474-8	3.7	13
80	The calcium-dependent transient inactivation of recombinant NMDA receptor-channel does not involve the high affinity calmodulin binding site of the NR1 subunit. <i>Neuroscience Letters</i> , 1997 , 223, 137-9	3.3	12
79	Model of spatio-temporal propagation of action potentials in the Schaffer collateral pathway of the CA1 area of the rat hippocampus. <i>Hippocampus</i> , 1997 , 7, 58-72	3.5	12
78	GABA excites and sculpts immature neurons well before delivery: modulation by GABA of the development of ventricular progenitor cells. <i>Epilepsy Currents</i> , 2007 , 7, 167-9	1.3	12
77	Subcellular fractionation on Percoll gradient of mossy fiber synaptosomes: evoked release of glutamate, GABA, aspartate and glutamate decarboxylase activity in control and degranulated rat hippocampus. <i>Brain Research</i> , 1994 , 644, 313-21	3.7	12
76	NMDA redox site modulates long-term potentiation of NMDA but not of AMPA receptors. <i>European Journal of Pharmacology</i> , 1994 , 262, R3-4	5.3	12
75	Hippocampal potassium ATP channels and anoxia: presynaptic, postsynaptic or both?. <i>Trends in Neurosciences</i> , 1990 , 13, 409-10	13.3	12
74	Visual deprivation decreases met-enkephalin and substance P content of various forebrain structures. <i>Brain Research</i> , 1979 , 166, 191-3	3.7	12
73	Demonstration of a heavy projection of midline thalamic neurons upon the lateral nucleus of the amygdala of the rat. <i>Neuroscience Letters</i> , 1978 , 9, 147-52	3.3	12
72	Epileptogenic action of caffeine during anoxia in the neonatal rat hippocampus. <i>Annals of Neurology</i> , 1999 , 46, 95-102	9.4	12
71	The Yin and Yen of GABA in Brain Development and Operation in Health and Disease. <i>Frontiers in Cellular Neuroscience</i> , 2012 , 6, 45	6.1	11
70	Calbindin-D 28K in hippocampal organotypic cultures. <i>Brain Research</i> , 1989 , 486, 165-9	3.7	11
69	Alterations in local glucose consumption following systemic administration of kainic acid, bicuculline or metrazol. <i>European Neurology</i> , 1981 , 20, 173-5	2.1	11
68	Simultaneous recording of somatic and dendritic field potentials and combined microiontophoresis in the rat Ammon's horn in situ: effects of GABA and acetylcholine. <i>Neuroscience Letters</i> , 1982 , 31, 19-24	3.3	11
67	Nucleotides modulate the low affinity binding sites for [3H]glibenclamide in the rat brain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1993 , 264, 701-8	4.7	11
66	Commentary: GABA depolarizes immature neurons and inhibits network activity in the neonatal neocortex in vivo. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 478	6.1	10
65	Contributions of AMPA and GABA(A) receptors to the induction of NMDAR-dependent LTP in CA1. <i>Neuroscience Letters</i> , 1997 , 238, 119-22	3.3	10
64	Compensatory dendritic growth of CA1 pyramidal cells following growth impairment in the neonatal period. <i>European Journal of Neuroscience</i> , 2003 , 18, 1332-6	3.5	10

63	Induction of c-fos mRNA expression in an in vitro hippocampal slice model of adult rats after kainate but not gamma-aminobutyric acid or bicuculline treatment. <i>Neuroscience Letters</i> , 1994 , 166, 73-6 ^{3.3}	3.3	10
62	Opposite actions of muscarinic and nicotinic agents on hippocampal dendritic negative fields recorded in rats. <i>Neuropharmacology</i> , 1983 , 22, 239-43	5.5	10
61	Rapid degradation of substance P and related peptides during microiontophoretic experiments. <i>Neuroscience Letters</i> , 1977 , 6, 27-33	3.3	10
60	Is it safe to use a diuretic to treat seizures early in development?. <i>Epilepsy Currents</i> , 2011 , 11, 192-5	1.3	9
59	Morphology of CA3 non-pyramidal cells in the developing rat hippocampus. <i>Developmental Brain Research</i> , 2001 , 127, 157-64		9
58	Increased synthesis of specific proteins during glutamate-induced neuronal death in cerebellar culture. <i>Brain Research</i> , 1994 , 654, 27-33	3.7	9
57	Effects of neonatal gamma-ray irradiation on rat hippocampus--II. Development of excitatory amino acid binding sites. <i>Neuroscience</i> , 1991 , 42, 151-7	3.9	9
56	Machine learning analysis of pregnancy data enables early identification of a subpopulation of newborns with ASD. <i>Scientific Reports</i> , 2021 , 11, 6877	4.9	9
55	Pyramidal neuron growth and increased hippocampal volume during labor and birth in autism. <i>Science Advances</i> , 2019 , 5, eaav0394	14.3	8
54	Maturation of GABAergic Transmission in Cerebellar Purkinje Cells Is Sex Dependent and Altered in the Valproate Model of Autism. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 232	6.1	8
53	Striatal dual cholinergic /GABAergic transmission in Parkinson disease: friends or foes?. <i>Cell Stress</i> , 2018 , 2, 147-149	5.5	8
52	Synapses as therapeutic targets for autism spectrum disorders: an international symposium held in pavia on july 4th, 2014. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 309	6.1	7
51	Correlative fluorescence and electron microscopy of biocytin-filled neurons with a preservation of the postsynaptic ultrastructure. <i>Journal of Neuroscience Methods</i> , 2002 , 117, 81-5	3	7
50	Long-term potentiation in the rat hippocampus induced by the mast cell degranulating peptide: analysis of the release of endogenous excitatory amino acids and proteins. <i>Neuroscience</i> , 1990 , 35, 63-70 ^{3.9}		7
49	Transient cerebral ischemia induces changes in SRIF mRNA in the fascia dentata. <i>Molecular Brain Research</i> , 1991 , 10, 337-42		7
48	The immature brain needs GABA to be excited and hyper-excited. <i>Journal of Physiology</i> , 2011 , 589, 2655-69		6
47	Epileptiform activity but not synaptic plasticity is blocked by oxidation of NMDA receptors in a chronic model of temporal lobe epilepsy. <i>Epilepsy Research</i> , 1997 , 26, 373-80	3	6
46	(R)-roscovitine, a cyclin-dependent kinase inhibitor, enhances tonic GABA inhibition in rat hippocampus. <i>Neuroscience</i> , 2008 , 156, 277-88	3.9	6

45	Benzodiazepines modulate calcium spikes in young and adult hippocampal cells. <i>NeuroReport</i> , 1994 , 5, 2125-9	1.7	6
44	Unit spontaneous activity in the amygdala: relation between the long term stability of the discharge and the EEG. <i>Brain Research</i> , 1971 , 32, 479-83	3.7	6
43	Amygdala unit activity changes related to a spontaneous blood pressure increase. <i>Brain Research</i> , 1973 , 52, 394-8	3.7	6
42	Kainate and temporal lobe epilepsies: Three decades of progress. <i>Epilepsia</i> , 2010 , 51, 40-40	6.4	5
41	The GluR2 (GluRB) hypothesis in ischemia: missing links. <i>Trends in Neurosciences</i> , 1998 , 21, 241-2	13.3	5
40	Use of two-dimensional gel electrophoresis to characterize protein synthesis during neuronal death in cerebellar culture. <i>Electrophoresis</i> , 1996 , 17, 1781-6	3.6	5
39	Long-term potentiation and sprouting of mossy fibers produced by brief episodes of hyperactivity. <i>Epilepsy Research Supplement</i> , 1992 , 7, 261-9		5
38	Epilepsy: changes in local glucose consumption and brain pathology produced by kainic acid. <i>Advances in Biochemical Psychopharmacology</i> , 1981 , 27, 385-94		5
37	GABA and glutamate in the preterm neonatal brain: In-vivo measurement by magnetic resonance spectroscopy. <i>NeuroImage</i> , 2021 , 238, 118215	7.9	5
36	Excitation and inhibition in temporal lobe epilepsy: a close encounter. <i>Advances in Neurology</i> , 1999 , 79, 821-8		5
35	Alteration in the time and/or mode of delivery differentially modulates early development in mice. <i>Molecular Brain</i> , 2020 , 13, 34	4.5	4
34	Enhanced Glutamatergic Currents at Birth in Shank3 KO Mice. <i>Neural Plasticity</i> , 2019 , 2019, 2382639	3.3	4
33	A united theory for the multiple forms of LTP?. <i>Trends in Neurosciences</i> , 1995 , 18, 519-20	13.3	4
32	Seizures and brain damage: are excitatory amino acids involved?. <i>Advances in Experimental Medicine and Biology</i> , 1986 , 203, 709-11	3.6	4
31	Down-regulation of striatal enkephalinergic (PPA) messenger RNA without prior apoptotic features following reversible focal ischemia in rat. <i>Brain Research</i> , 1997 , 744, 185-7	3.7	3
30	Lability of synaptic inhibition of hippocampal pyramidal cells [proceedings]. <i>Journal of Physiology</i> , 1980 , 298, 36P-37P	3.9	3
29	Effects of colchicine treatment on the cholinergic septohippocampal system. <i>Exs</i> , 1989 , 57, 288-94		3
28	Seizure-induced molecular changes, sprouting and synaptogenesis of hippocampal mossy fibers. <i>Epilepsy Research Supplement</i> , 1996 , 12, 355-63		3

27	GABA GABA Excites Immature Neurons: Implications for the Epilepsies 2009 , 278-284		2
26	Relevance of basic research to clinical data: good answers, wrong questions!. <i>Epilepsy Currents</i> , 2008 , 8, 19-22	1.3	2
25	Physiologic and pathologic oscillations. <i>Trends in Neurosciences</i> , 2007 , 30, 307-308	13.3	2
24	Response: kainate receptors keep the excitement high. <i>Trends in Neurosciences</i> , 2001 , 24, 140-141	13.3	2
23	The GABA Polarity Shift and Bumetanide Treatment: Making Sense Requires Unbiased and Undogmatic Analysis.. <i>Cells</i> , 2022 , 11,	7.9	2
22	Phenobarbital, midazolam, bumetanide, and neonatal seizures: The devil is in the details. <i>Epilepsia</i> , 2021 , 62, 935-940	6.4	2
21	Progress in autism research and postgenomic studies. <i>Lancet Neurology, The</i> , 2016 , 15, 136	24.1	1
20	Fast ripples: what do new data about gap junctions and disrupted spike firing reveal about underlying mechanisms?. <i>Epilepsy Currents</i> , 2009 , 9, 57-9	1.3	1
19	GABA Excitation during Development: the Nature of the Nurture. <i>Neurophysiology</i> , 2002 , 34, 81-82	0.6	1
18	Brain damage caused by seizure activity. <i>Electroencephalography and Clinical Neurophysiology Supplement</i> , 1987 , 39, 209-11		1
17	Long-Term Plasticity at Inhibitory Synapses. <i>Frontiers in Neuroscience</i> , 2006 , 23-36		1
16	Kreimir Krnjević(1927-2021) and GABAergic inhibition: a lifetime dedication. <i>Canadian Journal of Physiology and Pharmacology</i> , 2021 , 1-4	2.4	1
15	OSCILLATORY ACTIVITY Seizures Beget Seizures in the Developing Brain: Central Role of GABA and High Frequency Oscillations 2009 , 1019-1023		1
14	Treating Autism With Bumetanide: Are Large Multicentric and Monocentric Trials on Selected Populations Complementary?. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2021 , 60, 937-938	7.2	1
13	Brain Volumes in Mice are Smaller at Birth After Term or Preterm Cesarean Section Delivery. <i>Cerebral Cortex</i> , 2021 , 31, 3579-3591	5.1	0
12	Pronostiquer tñ les troubles du spectre autistique : Un dñi?. <i>Medecine/Sciences</i> , 2022 , 38, 431-437		0
11	Bumetanide to treat autism spectrum disorders: Clinical observations 2020 , 701-708		
10	Disruptions in chloride transporter activity in autism spectrum disorders 2020 , 549-568		

- 9 GABA **2013**, 773-790
- 8 GABAA Receptors: Developmental Roles **2009**, 453-461
- 7 Fourth INMED/TINS conference: Nature and nurture in brain development and neurological disorders. *Trends in Neurosciences*, **2006**, 29, 347-348 13.3
- 6 Epilepsy: models, mechanisms and concepts. *Trends in Neurosciences*, **1994**, 17, 353-354 13.3
- 5 Opioid peptides and long-term potentiation. *Neurochemistry International*, **1992**, 20, 469-71 4.4
- 4 Acetylcholine: synaptic transmitter of the arousal system?. *Behavioral and Brain Sciences*, **1978**, 1, 485-486.9
- 3 Blockade of Specific K⁺ Channels Produces a Ca⁺⁺ Dependent Form of Long-Term Potentiation in the Hippocampus. *Research and Perspectives in Neurosciences*, **1991**, 61-65
- 2 Do NMDA antagonists suppress interictal discharges?. *Epilepsy Research Supplement*, **1992**, 8, 167-72
- 1 The GABA developmental shift in health and disease **2020**, 277-296