

R Miledi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

363
papers

26,073
citations

82
h-index

148
g-index

364
ext. papers

27,012
ext. citations

12.3
avg, IF

6.61
L-index

#	Paper	IF	Citations
363	TMEM16A alternative splicing isoforms in <i>Xenopus tropicalis</i> : distribution and functional properties. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 446, 1096-101	3.4	2
362	Loss of functional GABA(A) receptors in the Alzheimer diseased brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 10071-6	11.5	168
361	Physiological characterization of human muscle acetylcholine receptors from ALS patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 20184-8	11.5	30
360	Enhancement of GABA(A)-current run-down in the hippocampus occurs at the first spontaneous seizure in a model of temporal lobe epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 3180-5	11.5	43
359	Microtransplantation of ligand-gated receptor-channels from fresh or frozen nervous tissue into <i>Xenopus</i> oocytes: a potent tool for expanding functional information. <i>Progress in Neurobiology</i> , 2009 , 88, 32-40	10.9	44
358	Modulation of human GABARho1 receptors by taurine. <i>Neuroscience Research</i> , 2008 , 61, 302-8	2.9	21
357	Microtransplantation of neurotransmitter receptors from postmortem autistic brains to <i>Xenopus</i> oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 10973-7	11.5	32
356	Adenosine receptor antagonists alter the stability of human epileptic GABAA receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15118-23	11.5	38
355	Properties of glutamate receptors of Alzheimer's disease brain transplanted to frog oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2956-60	11.5	23
354	GABA(A)-current rundown of temporal lobe epilepsy is associated with repetitive activation of GABA(A) "phasic" receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 20944-8	11.5	47
353	Properties of GluR3 receptors tagged with GFP at the amino or carboxyl terminus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15526-30	11.5	26
352	Expression of <i>Caenorhabditis elegans</i> neurotransmitter receptors and ion channels in <i>Xenopus</i> oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 5120-4	11.5	14
351	Anomalous levels of Cl ⁻ transporters in the hippocampal subiculum from temporal lobe epilepsy patients make GABA excitatory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 8465-8	11.5	222
350	Effects of cyclothiazide on GluR1/AMPA receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 2943-7	11.5	44
349	Activation, internalization, and recycling of the serotonin 2A receptor by dopamine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 15248-53	11.5	40
348	Rundown of GABA type A receptors is a dysfunction associated with human drug-resistant mesial temporal lobe epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 15219-23	11.5	49
347	Abnormal GABAA receptors from the human epileptic hippocampal subiculum microtransplanted to <i>Xenopus</i> oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 2514-8	11.5	36

346	BDNF modulates GABAA receptors microtransplanted from the human epileptic brain to <i>Xenopus</i> oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 1667-72	11.5	55
345	Microtransplantation of functional receptors and channels from the Alzheimer's brain to frog oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 1760-3	11.5	39
344	Functional expression in frog oocytes of human rho 1 receptors produced in <i>Saccharomyces cerevisiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 682-6	11.5	10
343	Phosphatase inhibitors remove the run-down of gamma-aminobutyric acid type A receptors in the human epileptic brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 10183-8	11.5	46
342	Expression of functional receptors by the human gamma-aminobutyric acid A gamma 2 subunit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 3220-3	11.5	8
341	Combined actions of zinc and fluoxetine on nicotinic acetylcholine receptors. <i>Pharmacogenomics Journal</i> , 2004 , 4, 388-93	3.5	21
340	Properties of neuronal alpha7 mutant nicotinic acetylcholine receptors gated by bicuculline. <i>Neuropharmacology</i> , 2003 , 44, 765-71	5.5	3
339	Microtransplantation of membranes from cultured cells to <i>Xenopus</i> oocytes: a method to study neurotransmitter receptors embedded in native lipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 2896-900	11.5	40
338	Internalization and recycling of 5-HT2A receptors activated by serotonin and protein kinase C-mediated mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 14470-5	11.5	75
337	Expression of human epileptic temporal lobe neurotransmitter receptors in <i>Xenopus</i> oocytes: An innovative approach to study epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 15078-83	11.5	35
336	Expression of functional neurotransmitter receptors in <i>Xenopus</i> oocytes after injection of human brain membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 13238-42	11.5	71
335	Inhibition of skeletal muscle nicotinic receptors by the atypical antipsychotic clozapine. <i>Neuropharmacology</i> , 2002 , 42, 662-9	5.5	10
334	Effects of atypical antipsychotics on vertebrate neuromuscular transmission. <i>Neuropharmacology</i> , 2002 , 42, 670-676	5.5	11
333	Characterization of the interaction between a novel convulsant agent, norbiphen, and GABA(A) and other ligand-gated ion channels. <i>Neuropharmacology</i> , 2002 , 43, 778-87	5.5	6
332	Serotonin antagonizes the human neuronal alpha7 nicotinic acetylcholine receptor and becomes an agonist after L248T alpha7 mutation. <i>Neuroscience</i> , 2002 , 110, 169-79	3.9	16
331	Ecto enzymatic breakdown of diadenosine polyphosphates by <i>Xenopus laevis</i> oocytes. <i>FEBS Journal</i> , 2001 , 268, 1289-97		9
330	Characteristics of glycine receptors expressed by embryonic rat brain mRNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 2781-5	11.5	7
329	Expression of gamma-aminobutyric acid rho 1 and rho 1 Delta 450 as gene fusions with the green fluorescent protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 1947-51	11.5	16

328	Expression of γ -aminobutyric acid γ and γ -L450 as gene fusions with the green fluorescent protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 1947-1951	11.5	14
327	A motif present in the main cytoplasmic loop of nicotinic acetylcholine receptors and catalases. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001 , 268, 967-72	4.4	1
326	Inhibition of nicotinic acetylcholine receptors by bicuculline. <i>Neuropharmacology</i> , 2001 , 41, 854-61	5.5	46
325	Modulation of alpha2beta4 neuronal nicotinic acetylcholine receptors by zinc. <i>NeuroReport</i> , 2001 , 12, 147-50	1.7	17
324	Activation of volume-regulated Cl(-) channels by ACh and ATP in <i>Xenopus</i> follicles. <i>Journal of Physiology</i> , 2000 , 525 Pt 3, 721-34	3.9	16
323	Human neuronal threonine-for-leucine-248 γ mutant nicotinic acetylcholine receptors are highly Ca ²⁺ permeable. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 3643-3648	11.5	35
322	GABA γ /GABA α receptor chimeras to study receptor desensitization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 3562-3566	11.5	8
321	GABA ρ 1/GABA α 1 receptor chimeras to study receptor desensitization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 3562-6	11.5	10
320	Human neuronal threonine-for-leucine-248 alpha 7 mutant nicotinic acetylcholine receptors are highly Ca ²⁺ permeable. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 3643-8	11.5	29
319	Functional and pharmacological properties of GABA ρ 1delta51 receptors. <i>Neuroscience Research</i> , 2000 , 36, 141-6	2.9	15
318	Modulation of nicotinic acetylcholine receptors by strychnine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 4113-8	11.5	30
317	Strychnine activates neuronal alpha7 nicotinic receptors after mutations in the leucine ring and transmitter binding site domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 13421-6	11.5	22
316	Subunit-selective modulation of GABA α receptors by the non-steroidal anti-inflammatory agent, mefenamic acid. <i>European Journal of Neuroscience</i> , 1999 , 11, 2897-905	3.5	60
315	Muscarinic receptor heterogeneity in follicle-enclosed <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1999 , 521 Pt 2, 409-19	3.9	15
314	Antagonistic action of pirtazepin on human and rat GABA(A) receptors. <i>British Journal of Pharmacology</i> , 1999 , 127, 57-64	8.6	13
313	Effects of fluoxetine on wild and mutant neuronal alpha 7 nicotinic receptors. <i>Molecular Psychiatry</i> , 1998 , 3, 350-5	15.1	46
312	Cloning and expression of a P2y purinoceptor from the adult bovine corpus callosum. <i>Neurobiology of Disease</i> , 1998 , 5, 259-70	7.5	13
311	Effects of Zn ²⁺ on wild and mutant neuronal alpha7 nicotinic receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 10246-50	11.5	63

310	Cloning and functional expression of alternative spliced variants of the rho1 gamma-aminobutyrate receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 4019-22	11.5	30
309	Cl- currents activated via purinergic receptors in <i>Xenopus</i> follicles. <i>American Journal of Physiology - Cell Physiology</i> , 1998 , 274, C333-40	5.4	21
308	mRNAs coding for neurotransmitter receptors and voltage-gated sodium channels in the adult rabbit visual cortex after monocular deafferentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 3257-62	11.5	5
307	Blockage of 5HT2C serotonin receptors by fluoxetine (Prozac). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 2036-40	11.5	146
306	Neuronal nicotinic threonine-for-leucine 247 alpha7 mutant receptors show different gating kinetics when activated by acetylcholine or by the noncompetitive agonist 5-hydroxytryptamine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 9915-9	11.5	22
305	Opposite effects of lanthanum on different types of nicotinic acetylcholine receptors. <i>NeuroReport</i> , 1997 , 8, 3293-6	1.7	11
304	Irreversible antagonism of 5HT2c receptors by N-ethoxycarbonyl-2-ethoxy-1,2-dihydroquinoline (EEDQ). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 2715-8	11.5	4
303	Glutamate receptor-mediated toxicity in optic nerve oligodendrocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 8830-5	11.5	310
302	Efficient coupling of 5-HT1a receptors to the phospholipase C pathway in <i>Xenopus</i> oocytes. <i>Molecular Brain Research</i> , 1997 , 51, 115-22		14
301	Co-expression of the neuronal alpha7 and L247T alpha7 mutant subunits yields hybrid nicotinic receptors with properties of both wild-type alpha7 and alpha7 mutant homomeric receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 1539-43	11.5	16
300	Blockage of muscle and neuronal nicotinic acetylcholine receptors by fluoxetine (Prozac). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 2041-4	11.5	125
299	Local anesthetics inhibit receptors coupled to phosphoinositide signaling in <i>Xenopus</i> oocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1997 , 433, 478-87	4.6	9
298	Thrombin-induced membrane currents in native <i>Xenopus</i> follicles. <i>Pflugers Archiv European Journal of Physiology</i> , 1996 , 431, R237-8	4.6	
297	Threonine-for-leucine mutation within domain M2 of the neuronal alpha(7) nicotinic receptor converts 5-hydroxytryptamine from antagonist to agonist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 11231-5	11.5	68
296	Serotonergic modulation of muscle acetylcholine receptors of different subunit composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 3990-4	11.5	27
295	Ion channels and membrane receptors in follicle-enclosed <i>Xenopus</i> oocytes. <i>Ion Channels</i> , 1996 , 4, 203-59		18
294	Design and in vitro pharmacology of a selective gamma-aminobutyric acidC receptor antagonist. <i>Molecular Pharmacology</i> , 1996 , 50, 1024-30	4.3	140
293	A Windows software package to record from voltage-clamped <i>Xenopus</i> oocytes. <i>Journal of Neuroscience Methods</i> , 1995 , 61, 213-9	3	7

292	Effects of serotonergic agents on neuronal nicotinic acetylcholine receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 2919-23	11.5	58
291	Xenopus Gq alpha subunit activates the phosphatidylinositol pathway in Xenopus oocytes but does not consistently induce oocyte maturation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 1297-301	11.5	15
290	A monovalent cationic conductance that is blocked by extracellular divalent cations in Xenopus oocytes. <i>Journal of Physiology</i> , 1995 , 484 (Pt 3), 593-604	3.9	54
289	Two forms of acetylcholine receptor gamma subunit in mouse muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 2686-90	11.5	26
288	Incorporation of reconstituted acetylcholine receptors from Torpedo into the Xenopus oocyte membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 8468-72	11.5	54
287	Activation of GABA rho 1 receptors by glycine and beta-alanine. <i>NeuroReport</i> , 1995 , 6, 1118-20	1.7	34
286	Incorporation of acetylcholine receptors and Cl ⁻ channels in Xenopus oocytes injected with Torpedo electroplaque membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 5224-8	11.5	78
285	Functional role of follicular cells in the generation of osmolarity-dependent Cl ⁻ currents in Xenopus follicles. <i>Journal of Physiology</i> , 1995 , 488 (Pt 2), 351-7	3.9	20
284	Cationic modulation of rho 1-type gamma-aminobutyrate receptors expressed in Xenopus oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 12725-9	11.5	51
283	Electrophysiological properties of newborn and adult rat spinal cord glycine receptors expressed in Xenopus oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 3097-101	11.5	18
282	Lysophosphatidic acid possesses dual action in cell proliferation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 1908-12	11.5	137
281	Osmo-dependent Cl ⁻ currents activated by cyclic AMP in follicle-enclosed Xenopus oocytes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1994 , 258, 229-35	4.4	8
280	Expression of neurotransmitter receptors and Ca ²⁺ channels in the adult fornix and optic nerve. <i>NeuroReport</i> , 1994 , 5, 1457-60	1.7	12
279	Properties of angiotensin II receptors in glial cells from the adult corpus callosum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 3774-8	11.5	28
278	Effects of fenamates and other nonsteroidal anti-inflammatory drugs on rat brain GABAA receptors expressed in Xenopus oocytes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1994 , 268, 806-11	4.7	41
277	Neurotransmitter receptors and voltage-dependent Ca ²⁺ channels encoded by mRNA from the adult corpus callosum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 3270-4	11.5	48
276	Novel Cl ⁻ currents elicited by follicle stimulating hormone and acetylcholine in follicle-enclosed Xenopus oocytes. <i>Journal of General Physiology</i> , 1993 , 102, 833-57	3.4	27
275	Blockage of nicotinic acetylcholine receptors by 5-hydroxytryptamine. <i>Journal of Neuroscience Research</i> , 1993 , 34, 562-70	4.4	36

274	mRNAs coding for neurotransmitter receptors in rabbit and rat visual areas. <i>Journal of Neuroscience Research</i> , 1993 , 35, 652-63	4.4	9
273	Expression of neurotransmitter receptors by mRNAs from neurons developing in vitro: a <i>Xenopus</i> oocyte expression study. <i>Journal of Neurochemistry</i> , 1993 , 60, 57-65	6	8
272	Characterization of bicuculline/baclofen-insensitive (rho-like) gamma-aminobutyric acid receptors expressed in <i>Xenopus</i> oocytes. II. Pharmacology of gamma-aminobutyric acidA and gamma-aminobutyric acidB receptor agonists and antagonists. <i>Molecular Pharmacology</i> , 1993 , 43, 609-25	4.3	131
271	mRNA coding for neurotransmitter receptors in a human astrocytoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 3399-403	11.5	22
270	Actions of dopamine and dopaminergic drugs on cloned serotonin receptors expressed in <i>Xenopus</i> oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 4708-12	11.5	45
269	The effect of active serum albumin on PC12 cells: II. Intracellular Ca ²⁺ transients and their role in neurite retraction. <i>Molecular Brain Research</i> , 1992 , 14, 302-9		27
268	Sensitivity of <i>Xenopus</i> oocytes to changes in extracellular pH: possible relevance to proposed expression of atypical mammalian GABAB receptors. <i>Molecular Brain Research</i> , 1992 , 16, 204-10		16
267	Messenger RNAs coding for receptors and channels in the cerebral cortex of adult and aged rats. <i>Molecular Brain Research</i> , 1992 , 13, 1-5		12
266	The effect of active serum albumin on PC12 cells: I. Neurite retraction and activation of the phosphoinositide second messenger system. <i>Molecular Brain Research</i> , 1992 , 14, 293-301		31
265	Stereoselective effects of AMOA on non-NMDA receptors expressed in <i>Xenopus</i> oocytes. <i>Journal of Neuroscience Research</i> , 1992 , 33, 392-7	4.4	16
264	Effects of steroids on gamma-aminobutyric acid receptors expressed in <i>Xenopus</i> oocytes by poly(A) ⁺ RNA from mammalian brain and retina. <i>Molecular Pharmacology</i> , 1992 , 41, 89-103	4.3	60
263	Effects of hexachlorocyclohexanes on gamma-aminobutyric acid receptors expressed in <i>Xenopus</i> oocytes by RNA from mammalian brain and retina. <i>Molecular Pharmacology</i> , 1992 , 41, 1107-15	4.3	34
262	Characterization of bicuculline/baclofen-insensitive gamma-aminobutyric acid receptors expressed in <i>Xenopus</i> oocytes. I. Effects of Cl ⁻ channel inhibitors. <i>Molecular Pharmacology</i> , 1992 , 42, 165-73	4.3	50
261	Lysophosphatidates bound to serum albumin activate membrane currents in <i>Xenopus</i> oocytes and neurite retraction in PC12 pheochromocytoma cells. <i>Journal of Biological Chemistry</i> , 1992 , 267, 21360-7	5.4	248
260	Lysophosphatidates bound to serum albumin activate membrane currents in <i>Xenopus</i> oocytes and neurite retraction in PC12 pheochromocytoma cells.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 21360-2	5.4	258
259	Expressional potency of mRNAs encoding receptors and voltage-activated channels in the postmortem rat brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 1854-8	11.5	16
258	Tunicamycin increases desensitization of acetylcholine receptors in cultured mouse muscle cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 1808-11	11.5	13
257	<i>Xenopus</i> oocytes as immunological vectors to produce monoclonal antibodies to rat brain antigens. <i>Journal of Neuroscience Research</i> , 1991 , 29, 77-86	4.4	3

256	Expression of mammalian gamma-aminobutyric acid receptors with distinct pharmacology in <i>Xenopus</i> oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 4318-22	11.5	161
255	Receptors of the serotonin 1C subtype expressed from cloned DNA mediate the closing of K ⁺ membrane channels encoded by brain mRNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 2560-2	11.5	28
254	Angiotensin II receptors in <i>Xenopus</i> oocytes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1991 , 244, 11-9	4.4	14
253	Molecular and genetic characterization, functional expression, and mRNA expression patterns of a rat substance P receptor. <i>Annals of the New York Academy of Sciences</i> , 1991 , 632, 63-78	6.5	31
252	A factor that activates oscillatory chloride currents in <i>Xenopus</i> oocytes copurifies with a subfraction of serum albumin. <i>Journal of Biological Chemistry</i> , 1991 , 266, 20602-9	5.4	48
251	A factor that activates oscillatory chloride currents in <i>Xenopus</i> oocytes copurifies with a subfraction of serum albumin.. <i>Journal of Biological Chemistry</i> , 1991 , 266, 20602-20609	5.4	43
250	Neurotransmitter Receptors and Voltage-Operated Channels Expressed by Rat Spinal Cord mRNA in <i>Xenopus</i> Oocytes 1991 , 50-57		
249	Monoclonal antibodies to cerebellar pinceau terminals obtained after immunization with brain mRNA-injected <i>Xenopus</i> oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990 , 87, 528-32	11.5	8
248	A serum factor that activates the phosphatidylinositol phosphate signaling system in <i>Xenopus</i> oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990 , 87, 1521-5	11.5	83
247	Serotonin receptors expressed in <i>Xenopus</i> oocytes by mRNA from brain mediate a closing of K ⁺ membrane channels. <i>Molecular Brain Research</i> , 1990 , 7, 31-8		14
246	Glycosylation is required for maintenance of functional voltage-activated channels in growing neocortical neurons of the rat. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1990 , 239, 119-27		22
245	Changes in messenger RNAs coding for neurotransmitter receptors and voltage-operated channels in the developing rat cerebral cortex. <i>Developmental Biology</i> , 1990 , 138, 313-23	3.1	12
244	Nonlinearity and facilitation in phosphoinositide signaling studied by the use of caged inositol trisphosphate in <i>Xenopus</i> oocytes. <i>Journal of Neuroscience</i> , 1989 , 9, 4068-77	6.6	56
243	Membrane currents elicited by prostaglandins, atrial natriuretic factor and oxytocin in follicle-enclosed <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1989 , 416, 623-43	3.9	27
242	Neuronal control of extrajunctional acetylcholine receptor-channels induced by injury in frog skeletal muscle fibres. <i>Pflugers Archiv European Journal of Physiology</i> , 1989 , 414, 113-7	4.6	1
241	Reappearance of miniature endplate potentials in frog neuromuscular junctions "silenced" by lanthanum ions. <i>Neuroscience</i> , 1989 , 31, 181-6	3.9	7
240	Changes in the properties of synaptic channels opened by acetylcholine in denervated frog muscle. <i>Brain Research</i> , 1989 , 479, 83-97	3.7	4
239	Assembly and N-glycosylation of all ACh receptor subunits are required for their efficient insertion into plasma membranes. <i>Molecular Brain Research</i> , 1989 , 5, 183-92		80

238	Latencies of membrane currents evoked in <i>Xenopus</i> oocytes by receptor activation, inositol triphosphate and calcium. <i>Journal of Physiology</i> , 1989 , 415, 189-210	3.9	57
237	Membrane currents elicited by divalent cations in <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1989 , 417, 173-95	3.9	48
236	Effects of defolliculation on membrane current responses of <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1989 , 416, 601-21	3.9	133
235	Discrimination of heterogenous mRNAs encoding strychnine-sensitive glycine receptors in <i>Xenopus</i> oocytes by antisense oligonucleotides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989 , 86, 8103-7	11.5	35
234	Change in desensitization of cat muscle acetylcholine receptor caused by coexpression of Torpedo acetylcholine receptor subunits in <i>Xenopus</i> oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989 , 86, 367-71	11.5	26
233	Inhibition of rat brain glutamate receptors by philanthotoxin. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1989 , 251, 156-63	4.7	40
232	Characteristics of Schwann-cell miniature end-plate currents in denervated frog muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 1988 , 412, 22-8	4.6	6
231	Expression of glycine and other amino acid receptors by rat spinal cord mRNA in <i>Xenopus</i> oocytes. <i>Neuroscience Letters</i> , 1988 , 95, 262-8	3.3	18
230	In vitro reinnervation of adult rat muscle fibres by foreign neurons and transformed chromaffin PC12 cells. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1988 , 234, 1-9		5
229	Transient potassium current in native <i>Xenopus</i> oocytes. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1988 , 234, 45-53		17
228	Expression of GABA and glycine receptors by messenger RNAs from the developing rat cerebral cortex. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1988 , 234, 159-70		24
227	A calcium-independent chloride current activated by hyperpolarization in <i>Xenopus</i> oocytes. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1988 , 233, 191-9		56
226	Responses to GABA, glycine and beta-alanine induced in <i>Xenopus</i> oocytes by messenger RNA from chick and rat brain. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1988 , 233, 201-16		21
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