

R Miledi

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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	The role of calcium in neuromuscular facilitation. <i>Journal of Physiology</i> , 1968 , 195, 481-92	3.9	1059
362	The statistical nature of the acetylcholine potential and its molecular components. <i>Journal of Physiology</i> , 1972 , 224, 665-99	3.9	836
361	A study of synaptic transmission in the absence of nerve impulses. <i>Journal of Physiology</i> , 1967 , 192, 407-36	3.9	748
360	Tetrodotoxin-resistant electric activity in presynaptic terminals. <i>Journal of Physiology</i> , 1969 , 203, 459-87	3.9	536
359	The binding of acetylcholine to receptors and its removal from the synaptic cleft. <i>Journal of Physiology</i> , 1973 , 231, 549-74	3.9	490
358	The timing of calcium action during neuromuscular transmission. <i>Journal of Physiology</i> , 1967 , 189, 535-44	3.9	426
357	Cholinergic and catecholaminergic receptors in the <i>Xenopus</i> oocyte membrane. <i>Journal of Physiology</i> , 1982 , 328, 143-70	3.9	415
356	Acetylcholine receptors in muscle fibres. <i>Nature</i> , 1971 , 233, 599-603	50.4	411
355	THE EFFECT OF CALCIUM ON ACETYLCHOLINE RELEASE FROM MOTOR NERVE TERMINALS. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1965 , 161, 496-503		397
354	THE MEASUREMENT OF SYNAPTIC DELAY, AND THE TIME COURSE OF ACETYLCHOLINE RELEASE AT THE NEUROMUSCULAR JUNCTION. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1965 , 161, 483-95		393
353	Further study of the role of calcium in synaptic transmission. <i>Journal of Physiology</i> , 1970 , 207, 789-801	3.9	391
352	Physiological and structural changes at the amphibian myoneural junction, in the course of nerve degeneration. <i>Journal of Physiology</i> , 1960 , 150, 145-68	3.9	373
351	Isolation of the cholinergic receptor protein of <i>Torpedo</i> electric tissue. <i>Nature</i> , 1971 , 229, 554-7	50.4	370
350	A calcium-dependent transient outward current in <i>Xenopus laevis</i> oocytes. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1982 , 215, 491-7		362
349	On the degeneration of rat neuromuscular junctions after nerve section. <i>Journal of Physiology</i> , 1970 , 207, 507-28	3.9	354
348	A study of foetal and new-born rat muscle fibres. <i>Journal of Physiology</i> , 1962 , 162, 393-408	3.9	352
347	Transmitter leakage from motor nerve endings. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1977 , 196, 59-72		335

346	Chloride current induced by injection of calcium into <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1984 , 357, 173-83	3.9	328
345	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
344	The effect of temperature on the synaptic delay at the neuromuscular junction. <i>Journal of Physiology</i> , 1965 , 181, 656-70	3.9	298
343	Transmitter release induced by injection of calcium ions into nerve terminals. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1973 , 183, 421-5		293
342	Spontaneous and evoked activity of motor nerve endings in calcium Ringer. <i>Journal of Physiology</i> , 1969 , 203, 689-706	3.9	288
341	A STUDY OF SPONTANEOUS MINIATURE POTENTIALS IN SPINAL MOTONEURONES. <i>Journal of Physiology</i> , 1963 , 168, 389-422	3.9	279
340	PROPAGATION OF ELECTRIC ACTIVITY IN MOTOR NERVE TERMINALS. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1965 , 161, 453-82		261
339	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, 21360-21367	5.4	258
338	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
337	The release of acetylcholine from nerve endings by graded electric pulses. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1967 , 167, 23-38		227
336	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
335	The acetylcholine sensitivity of frog muscle fibres after complete or partial deervation. <i>Journal of Physiology</i> , 1960 , 151, 1-23	3.9	213
334	Membrane noise produced by acetylcholine. <i>Nature</i> , 1970 , 226, 962-3	50.4	194
333	Presynaptic failure of neuromuscular propagation in rats. <i>Journal of Physiology</i> , 1959 , 149, 1-22	3.9	194
332	Tetanic and post-tetanic rise in frequency of miniature end-plate potentials in low-calcium solutions. <i>Journal of Physiology</i> , 1971 , 212, 245-57	3.9	189
331	Properties of regenerating neuromuscular synapses in the frog. <i>Journal of Physiology</i> , 1960 , 154, 190-205	3.9	186
330	Strontium as a substitute for calcium in the process of transmitter release at the neuromuscular junction. <i>Nature</i> , 1966 , 212, 1233-4	50.4	183
329	Isolation and characterization of presynaptically acting neurotoxins from the venom of Bungarus snakes. <i>FEBS Journal</i> , 1977 , 80, 1-12		182

328	The effect of type D botulinum toxin on frog neuromuscular junctions. <i>Journal of Physiology</i> , 1971 , 217, 497-515	3.9	182
327	Acetylcholine receptors in the oocyte membrane. <i>Nature</i> , 1977 , 270, 739-41	50.4	175
326	Messenger RNA from human brain induces drug- and voltage-operated channels in <i>Xenopus</i> oocytes. <i>Nature</i> , 1984 , 308, 421-4	50.4	174
325	On the release of transmitter at normal, myasthenia gravis and myasthenic syndrome affected human end-plates. <i>Journal of Physiology</i> , 1980 , 299, 621-38	3.9	172
324	The action of calcium on neuronal synapses in the squid. <i>Journal of Physiology</i> , 1966 , 184, 473-98	3.9	170
323	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
322	Effects of lanthanum ions on function and structure of frog neuromuscular junctions. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1971 , 179, 247-60		167
321	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
320	Strontium and quantal release of transmitter at the neuromuscular junction. <i>Journal of Physiology</i> , 1969 , 200, 267-83	3.9	159
319	Translation of exogenous messenger RNA coding for nicotinic acetylcholine receptors produces functional receptors in <i>Xenopus</i> oocytes. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1982 , 215, 241-6		153
318	Blockage of 5HT _{2C} 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
317	The characteristics of end-plate noise produced by different depolarizing drugs. <i>Journal of Physiology</i> , 1973 , 230, 707-17	3.9	146
316	Tetrodotoxin and neuromuscular transmission. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1967 , 167, 8-22		143
315	Design and in vitro pharmacology of a selective gamma-aminobutyric acid C receptor antagonist. <i>Molecular Pharmacology</i> , 1996 , 50, 1024-30	4.3	140
314	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
313	Effects of defolliculation on membrane current responses of <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1989 , 416, 601-21	3.9	133
312	Characterization of bicuculline/baclofen-insensitive (rho-like) gamma-aminobutyric acid receptors expressed in <i>Xenopus</i> oocytes. II. Pharmacology of gamma-aminobutyric acid A and gamma-aminobutyric acid B receptor agonists and antagonists. <i>Molecular Pharmacology</i> , 1993 , 43, 609-25	4.3	131
311	Electrophysiology and electron-microscopy of rat neuromuscular junctions after nerve degeneration. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1968 , 169, 289-306		129

310	Estimates of quantal content during chemical potentiation of transmitter release. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1979 , 205, 369-78		128
309	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
308	Heterogeneity of glycine receptors and their messenger RNAs in rat brain and spinal cord. <i>Science</i> , 1988 , 242, 270-3	33.3	120
307	Spontaneous synaptic potentials and quantal release of transmitter in the stellate ganglion of the squid. <i>Journal of Physiology</i> , 1967 , 192, 379-406	3.9	117
306	Junctional and extra-junctional acetylcholine receptors in skeletal muscle fibres. <i>Journal of Physiology</i> , 1960 , 151, 24-30	3.9	117
305	Ionic requirements of synaptic transmitter release. <i>Nature</i> , 1967 , 215, 651	50.4	114
304	Failure of neuromuscular propagation in rats. <i>Journal of Physiology</i> , 1958 , 140, 440-61	3.9	112
303	Single glutamate-activated channels recorded from locust muscle fibres with perfused patch-clamp electrodes. <i>Journal of Physiology</i> , 1981 , 321, 195-210	3.9	109
302	Acetylcholine receptors and end-plate electrophysiology in myasthenia gravis. <i>Brain</i> , 1978 , 101, 345-68	11.2	108
301	Measurement of calcium transients in frog muscle by the use of arsenazo III. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1977 , 198, 201-10		104
300	A re-examination of curare action at the motor endplate. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1978 , 203, 119-33		104
299	Lanthanum ions abolish the "calcium response" of nerve terminals. <i>Nature</i> , 1971 , 229, 410-1	50.4	104
298	Some effects produced by adrenaline upon neuromuscular propagation in rats. <i>Journal of Physiology</i> , 1958 , 141, 291-304	3.9	103
297	Characteristics of transmitter release at regenerating frog neuromuscular junctions. <i>Journal of Physiology</i> , 1974 , 239, 571-94	3.9	98
296	Glutamate current noise: post-synaptic channel kinetics investigated under voltage clamp. <i>Journal of Physiology</i> , 1978 , 282, 219-42	3.9	97
295	THE DEVELOPMENT OF ACETYLCHOLINE SENSITIVITY IN NERVE-FREE SEGMENTS OF SKELETAL MUSCLE. <i>Journal of Physiology</i> , 1964 , 170, 389-96	3.9	97
294	Changes in intracellular calcium and in membrane currents evoked by injection of inositol trisphosphate into <i>Xenopus</i> oocytes. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1986 , 228, 307-15		95
293	Electrically induced release of acetylcholine from denervated Schwann cells. <i>Journal of Physiology</i> , 1974 , 237, 431-52	3.9	95

292	Calcium conductance of acetylcholine-induced endplate channels. <i>Nature</i> , 1979 , 279, 638-9	50.4	90
291	Electrical synapses between motoneurons in the spinal cord of the newborn rat. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1980 , 208, 115-20		90
290	The effect of procaine on the action of acetylcholine at the neuromuscular junction. <i>Journal of Physiology</i> , 1975 , 249, 269-84	3.9	88
289	Glutamate and quisqualate noise in voltage-clamped locust muscle fibres. <i>Nature</i> , 1976 , 261, 151-3	50.4	87
288	End-plate currents and acetylcholine noise at normal and myasthenic human end-plates. <i>Journal of Physiology</i> , 1979 , 287, 247-65	3.9	86
287	Release of acetylcholine from a nerve terminal by electric pulses of variable strength and duration. <i>Nature</i> , 1965 , 207, 1097-8	50.4	86
286	Sensitivity to acetylcholine in rat slow muscle. <i>Nature</i> , 1966 , 210, 855-6	50.4	86
285	Partial purification and functional expression of brain mRNAs coding for neurotransmitter receptors and voltage-operated channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984 , 81, 7994-8	11.5	84
284	The effect of prolonged depolarization on synaptic transfer in the stellate ganglion of the squid. <i>Journal of Physiology</i> , 1971 , 216, 503-12	3.9	84
283	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
282	Serotonin receptors induced by exogenous messenger RNA in <i>Xenopus</i> oocytes. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1983 , 219, 103-9		82
281	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
280	Electron-microscopic structure of denervated skeletal muscle. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1969 , 174, 253-69		80
279	Input-output relation of a single synapse. <i>Nature</i> , 1966 , 212, 1242-5	50.4	80
278	Incorporation of acetylcholine receptors and Cl ⁻ channels in <i>Xenopus</i> 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
277	Transmitter induced calcium entry across the post-synaptic membrane at frog end-plates measured using arsenazo III. <i>Journal of Physiology</i> , 1980 , 300, 197-212	3.9	77
276	Internalization and recycling of 5-HT _{2A} 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
275	A transient inward current elicited by hyperpolarization during serotonin activation in <i>Xenopus</i> oocytes. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1985 , 223, 279-92		75

274	FURTHER OBSERVATIONS ON THE DISTRIBUTION OF ACTYLCHOLINE-REACTIVE SITES IN SKELETAL MUSCLE. <i>Journal of Physiology</i> , 1964 , 170, 379-88	3.9	75
273	Calcium transients in mammalian muscles. <i>Nature</i> , 1980 , 284, 560-1	50.4	74
272	Non-transmitting neuromuscular junctions during an early stage of end-plate reinnervation. <i>Journal of Physiology</i> , 1974 , 239, 553-70	3.9	74
271	Alpha-Bungarotoxin enhances transmitter "released" at the neuromuscular junction. <i>Nature</i> , 1978 , 272, 641-3	50.4	73
270	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
269	Actions of pentobarbital on rat brain receptors expressed in <i>Xenopus</i> oocytes. <i>Journal of Neuroscience</i> , 1986 , 6, 2290-7	6.6	71
268	Acute muscle denervation induced by beta-bungarotoxin. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1976 , 194, 545-53		71
267	Properties of acetylcholine receptors translated by cat muscle mRNA in <i>Xenopus</i> oocytes.. <i>EMBO Journal</i> , 1982 , 1, 1307-1312	13	69
266	Induction of the action potential mechanism in slow muscle fibres of the frog. <i>Journal of Physiology</i> , 1971 , 217, 737-54	3.9	69
265	FORMATION OF EXTRA NERVE-MUSCLE JUNCTIONS IN INNERVATED MUSCLE. <i>Nature</i> , 1963 , 199, 1191-3	30.4	69
264	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
263	Voltage-operated channels induced by foreign messenger RNA in <i>Xenopus</i> oocytes. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1983 , 220, 131-40		66
262	The antagonism between botulinum toxin and calcium in motor nerve terminals. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1982 , 216, 369-76		64
261	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
260	Glutamate and kainate receptors induced by rat brain messenger RNA in <i>Xenopus</i> oocytes. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1984 , 221, 127-43		61
259	Subunit-selective modulation of GABAA receptors by the non-steroidal anti-inflammatory agent, mefenamic acid. <i>European Journal of Neuroscience</i> , 1999 , 11, 2897-905	3.5	60
258	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
257	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

256	Calcium transients evoked by action potentials in frog twitch muscle fibres. <i>Journal of Physiology</i> , 1982 , 333, 655-79	3.9	58
255	Non-selective re-innervation of slow and fast muscle fibres in the rat. <i>Nature</i> , 1969 , 222, 569-71	50.4	58
254	Latencies of membrane currents evoked in <i>Xenopus</i> oocytes by receptor activation, inositol trisphosphate and calcium. <i>Journal of Physiology</i> , 1989 , 415, 189-210	3.9	57
253	The effect of local blockage of motor nerve terminals. <i>Journal of Physiology</i> , 1968 , 199, 729-41	3.9	57
252	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
251	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
250	Further observations on acetylcholine noise. <i>Nature: New Biology</i> , 1971 , 232, 124-6		56
249	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
248	A monovalent cationic conductance that is blocked by extracellular divalent cations in <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1995 , 484 (Pt 3), 593-604	3.9	54
247	Incorporation of reconstituted acetylcholine receptors from Torpedo into the <i>Xenopus</i> oocyte membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 8468-72	11.5	54
246	Synthesis of chick brain GABA receptors by frog oocytes. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1982 , 216, 509-15		53
245	Neuromuscular transmission after immunization against acetylcholine receptors. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1975 , 189, 57-68		53
244	Acetylcholine in mammalian neuromuscular transmission. <i>Nature</i> , 1958 , 182, 805-6	50.4	53
243	Cationic modulation of rho 1-type gamma-aminobutyrate receptors expressed in <i>Xenopus</i> oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 12725-9	11.5	51
242	Inositol trisphosphate activates a voltage-dependent calcium influx in <i>Xenopus</i> oocytes. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1987 , 231, 27-36		51
241	The primary sequences and neuromuscular effects of three neurotoxic polypeptides from the venom of <i>Dendroaspis viridis</i> . <i>FEBS Journal</i> , 1974 , 45, 457-68		51
240	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
239	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

238	Induced innervation of end-plate free muscle segments. <i>Nature</i> , 1962 , 193, 281-2	50.4	49
237	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
236	Membrane currents elicited by divalent cations in <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1989 , 417, 173-95	3.9	48
235	Injection of inositol 1,3,4,5-tetrakisphosphate into <i>Xenopus</i> oocytes generates a chloride current dependent upon intracellular calcium. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1987 , 232, 59-70		48
234	The effect of lanthanum ions on acetylcholine in frog muscle. <i>Journal of Physiology</i> , 1980 , 309, 199-214	3.9	48
233	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
232	Motor units in the rat diaphragm. <i>Journal of Physiology</i> , 1958 , 140, 427-39	3.9	48
231	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
230	Structural and functional changes of frog neuromuscular junctions in high calcium solutions. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1971 , 178, 407-15		47
229	Effects of fluoxetine on wild and mutant neuronal alpha 7 nicotinic receptors. <i>Molecular Psychiatry</i> , 1998 , 3, 350-5	15.1	46
228	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
227	Inhibition of nicotinic acetylcholine receptors by bicuculline. <i>Neuropharmacology</i> , 2001 , 41, 854-61	5.5	46
226	Electrophysiological and chemical determination of acetylcholine release at the frog neuromuscular junction. <i>Journal of Physiology</i> , 1983 , 334, 245-54	3.9	46
225	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
224	Acetylcholine-induced channels and transmitter release at human endplates. <i>Nature</i> , 1978 , 271, 74-5	50.4	45
223	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
222	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
221	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

220	Extracellular ions and excitation-contraction coupling in frog twitch muscle fibres. <i>Journal of Physiology</i> , 1984 , 351, 687-710	3.9	43
219	Intracellular Ca ²⁺ -dependent and Ca ²⁺ -independent responses of rat brain serotonin receptors transplanted to <i>Xenopus</i> oocytes. <i>Neuroscience Research</i> , 1985 , 2, 491-6	2.9	43
218	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
217	Calcium transients recorded with arsenazo III in the presynaptic terminal of the squid giant synapse. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1981 , 212, 197-211		42
216	An analysis of acetylcholine in frog muscle by mass fragmentography. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1977 , 197, 285-97		42
215	Induced transmitter release from Schwann cells and its suppression by actinomycin D. <i>Nature: New Biology</i> , 1973 , 241, 85-6		42
214	ELECTRON-MICROSCOPICAL LOCALIZATION OF PRODUCTS FROM HISTOCHEMICAL REACTIONS USED TO DETECT CHOLINESTERASE IN MUSCLE. <i>Nature</i> , 1964 , 204, 293-5	50.4	42
213	A further study of the phospholipase-independent action of beta-bungarotoxin at frog end-plates. <i>Journal of Physiology</i> , 1981 , 319, 179-91	3.9	41
212	Calcium transients in frog slow muscle fibres. <i>Nature</i> , 1977 , 268, 750-2	50.4	41
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