

Jean-Pierre Changeux

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.

348
papers

45,842
citations

99
h-index

208
g-index

366
ext. papers

49,455
ext. citations

8.8
avg, IF

7.58
L-index

#	Paper	IF	Citations
348	Differential mechanisms underlie trace and delay conditioning in <i>Drosophila</i> .. <i>Nature</i> , 2022 ,	50.4	2
347	Epigenesis, Synapse Selection, Cultural Imprints, and Human Brain Development 2022 , 27-49		1
346	Inhibitory control of synaptic signals preceding locomotion in mouse frontal cortex. <i>Cell Reports</i> , 2021 , 37, 110035	10.6	1
345	Nicotinic receptors: From protein allostery to computational neuropharmacology. <i>Molecular Aspects of Medicine</i> , 2021 , 84, 101044	16.7	1
344	A Connectomic Hypothesis for the Hominization of the Brain. <i>Cerebral Cortex</i> , 2021 , 31, 2425-2449	5.1	18
343	Ivermectin as a potential treatment for COVID-19?. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009446	4.8	6
342	The natural axis of transmitter receptor distribution in the human cerebral cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	18
341	Attenuation of clinical and immunological outcomes during SARS-CoV-2 infection by ivermectin. <i>EMBO Molecular Medicine</i> , 2021 , 13, e14122	12	12
340	Dynamic Cellular Cartography: Mapping the Local Determinants of Oligodendrocyte Transcription Factor 2 (OLIG2) Function in Live Cells Using Massively Parallel Fluorescence Correlation Spectroscopy Integrated with Fluorescence Lifetime Imaging Microscopy (mpFCS/FLIM). <i>Analytical Chemistry</i> , 2021 , 93, 12011-12021	7.8	1
339	A strategy for designing allosteric modulators of transcription factor dimerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 2683-2686	11.5	5
338	The Glycine Receptor Allosteric Ligands Library (GRALL). <i>Bioinformatics</i> , 2020 , 36, 3379-3384	7.2	6
337	Conscious Processing and the Global Neuronal Workspace Hypothesis. <i>Neuron</i> , 2020 , 105, 776-798	13.9	193
336	Golden Anniversary of the Nicotinic Receptor. <i>Neuron</i> , 2020 , 107, 14-16	13.9	1
335	The Molecular Organization of Self-awareness: Paralimbic Dopamine-GABA Interaction. <i>Frontiers in Systems Neuroscience</i> , 2020 , 14, 3	3.5	3
334	Do Nicotinic Receptors Modulate High-Order Cognitive Processing?. <i>Trends in Neurosciences</i> , 2020 , 43, 550-564	13.3	13
333	Discovery of the First Neurotransmitter Receptor: The Acetylcholine Nicotinic Receptor. <i>Biomolecules</i> , 2020 , 10,	5.9	14
332	Allostery in Its Many Disguises: From Theory to Applications. <i>Structure</i> , 2019 , 27, 566-578	5.2	158

331	Two Cultures and Our Encyclopaedic Brain. <i>European Review</i> , 2019 , 27, 54-65	0.3	1
330	Structural Identification of the Nicotinic Receptor Ion Channel. <i>Trends in Neurosciences</i> , 2018 , 41, 67-70	13.3	9
329	The nicotinic acetylcholine receptor: a typical allosteric machine. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	45
328	Drug Addiction: From Neuroscience to Ethics. <i>Frontiers in Psychiatry</i> , 2018 , 9, 595	5	8
327	Towards a cognitive neuroscience of self-awareness. <i>Neuroscience and Biobehavioral Reviews</i> , 2017 , 83, 765-773	9	48
326	Nicotine reverses hypofrontality in animal models of addiction and schizophrenia. <i>Nature Medicine</i> , 2017 , 23, 347-354	50.5	107
325	Climbing Brain Levels of Organisation from Genes to Consciousness. <i>Trends in Cognitive Sciences</i> , 2017 , 21, 168-181	14	31
324	Allosteric modulation as a unifying mechanism for receptor function and regulation. <i>Diabetes, Obesity and Metabolism</i> , 2017 , 19 Suppl 1, 4-21	6.7	31
323	Un-gating and allosteric modulation of a pentameric ligand-gated ion channel captured by molecular dynamics. <i>PLoS Computational Biology</i> , 2017 , 13, e1005784	5	25
322	Allosteric Modulation as a Unifying Mechanism for Receptor Function and Regulation. <i>Cell</i> , 2016 , 166, 1084-1102	56.2	164
321	Synaptic Epigenesis and the Evolution of Higher Brain Functions. <i>Exploring Complexity</i> , 2016 , 21-34		
320	Proactive epigenesis and ethical innovation: A neuronal hypothesis for the genesis of ethical rules. <i>EMBO Reports</i> , 2016 , 17, 1361-1364	6.5	18
319	Bradykinin Induces TRPV1 Exocytotic Recruitment in Peptidergic Nociceptors. <i>Frontiers in Pharmacology</i> , 2016 , 7, 178	5.6	17
318	Nicotinic receptors in mouse prefrontal cortex modulate ultraslow fluctuations related to conscious processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 14823-14828	11.5	20
317	Biased Allostery. <i>Biophysical Journal</i> , 2016 , 111, 902-8	2.9	18
316	The nicotinic β subunit gene determines variability in chronic pain sensitivity via cross-inhibition of P2X2/3 receptors. <i>Science Translational Medicine</i> , 2015 , 7, 287ra72	17.5	44
315	The nicotinic acetylcholine receptor and its prokaryotic homologues: Structure, conformational transitions & allosteric modulation. <i>Neuropharmacology</i> , 2015 , 96, 137-49	5.5	85
314	Crystal structures of a pentameric ligand-gated ion channel provide a mechanism for activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 966-71	11.5	149

313	International Union of Basic and Clinical Pharmacology. XC. multisite pharmacology: recommendations for the nomenclature of receptor allosterism and allosteric ligands. <i>Pharmacological Reviews</i> , 2014 , 66, 918-47	22.5	156
312	Protein dynamics and the allosteric transitions of pentameric receptor channels. <i>Biophysical Reviews</i> , 2014 , 6, 311-321	3.7	7
311	Structural basis for cooperative interactions of substituted 2-aminopyrimidines with the acetylcholine binding protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 10749-54	11.5	15
310	Allosteric regulation of pentameric ligand-gated ion channels: an emerging mechanistic perspective. <i>Channels</i> , 2014 , 8, 350-60	3	25
309	ERGIC is essential for algescic exocytotic mobilization of TRPV1 channels in peptidergic nociceptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 18345-50	11.5	33
308	The concept of allosteric modulation: an overview. <i>Drug Discovery Today: Technologies</i> , 2013 , 10, e223-8	7.1	53
307	50 years of allosteric interactions: the twists and turns of the models. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 819-29	48.7	114
306	The origins of allostery: from personal memories to material for the future. <i>Journal of Molecular Biology</i> , 2013 , 425, 1396-406	6.5	12
305	Intermediate closed state for glycine receptor function revealed by cysteine cross-linking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 17113-8	11.5	13
304	A gating mechanism of pentameric ligand-gated ion channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E3987-96	11.5	103
303	The concept of allosteric interaction and its consequences for the chemistry of the brain. <i>Journal of Biological Chemistry</i> , 2013 , 288, 26969-26986	5.4	17
302	Altered paralimbic interaction in behavioral addiction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 4744-9	11.5	28
301	Structure and pharmacology of pentameric receptor channels: from bacteria to brain. <i>Structure</i> , 2012 , 20, 941-56	5.2	170
300	Alpha7-nicotinic receptors modulate nicotine-induced reinforcement and extracellular dopamine outflow in the mesolimbic system in mice. <i>Psychopharmacology</i> , 2012 , 220, 1-14	4.7	39
299	The nicotinic acetylcholine receptor: the founding father of the pentameric ligand-gated ion channel superfamily. <i>Journal of Biological Chemistry</i> , 2012 , 287, 40207-15	5.4	163
298	Deciding between conflicting motivations: what mice make of their prefrontal cortex. <i>Behavioural Brain Research</i> , 2012 , 229, 419-26	3.4	11
297	Synaptic Epigenesis and the Evolution of Higher Brain Functions. <i>Research and Perspectives in Neurosciences</i> , 2012 , 11-22		6
296	A neuronal model of predictive coding accounting for the mismatch negativity. <i>Journal of Neuroscience</i> , 2012 , 32, 3665-78	6.6	355

295	Beauty in the brain: for a neuroscience of art. <i>Rendiconti Lincei</i> , 2012 , 23, 315-320	1.7	2
294	Allostery and the Monod-Wyman-Changeux model after 50 years. <i>Annual Review of Biophysics</i> , 2012 , 41, 103-33	21.1	265
293	Distinct contributions of nicotinic acetylcholine receptor subunit alpha4 and subunit alpha6 to the reinforcing effects of nicotine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 7577-82	11.5	133
292	Antibodies against extracellular domains of $\alpha 4$ and $\alpha 6$ subunits alter the levels of nicotinic receptors in the mouse brain and affect memory: possible relevance to Alzheimer's pathology. <i>Journal of Alzheimer's Disease</i> , 2011 , 24, 693-704	4.3	13
291	Experimental and theoretical approaches to conscious processing. <i>Neuron</i> , 2011 , 70, 200-27	13.9	1328
290	50th anniversary of the word "allosteric". <i>Protein Science</i> , 2011 , 20, 1119-24	6.3	60
289	Conformational selection or induced fit? 50 years of debate resolved. <i>F1000 Biology Reports</i> , 2011 , 3, 19		183
288	X-ray structures of general anaesthetics bound to a pentameric ligand-gated ion channel. <i>Nature</i> , 2011 , 469, 428-31	50.4	363
287	Introducing the Human Brain Project. <i>Procedia Computer Science</i> , 2011 , 7, 39-42	1.6	82
286	Emergent pharmacology of conscious experience: new perspectives in substance addiction. <i>FASEB Journal</i> , 2011 , 25, 2098-108	0.9	22
285	Prefrontal nicotinic receptors control novel social interaction between mice. <i>FASEB Journal</i> , 2011 , 25, 2145-55	0.9	70
284	Nicotine addiction and nicotinic receptors: lessons from genetically modified mice. <i>Nature Reviews Neuroscience</i> , 2010 , 11, 389-401	13.5	322
283	A versatile system for the neuronal subtype specific expression of lentiviral vectors. <i>FASEB Journal</i> , 2010 , 24, 723-30	0.9	30
282	One-microsecond molecular dynamics simulation of channel gating in a nicotinic receptor homologue. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 6275-80	11.5	134
281	Alterations of cortical pyramidal neurons in mice lacking high-affinity nicotinic receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 11567-72	11.5	73
280	Relationships between structural dynamics and functional kinetics in oligomeric membrane receptors. <i>Biophysical Journal</i> , 2010 , 98, 2045-52	2.9	19
279	Allosteric receptors: from electric organ to cognition. <i>Annual Review of Pharmacology and Toxicology</i> , 2010 , 50, 1-38	17.9	96
278	$\alpha 4$ and $\alpha 6$ nicotinic receptors control monoamine-mediated locomotor response. <i>NeuroReport</i> , 2010 , 21, 1085-9	1.7	6

277	Basic consciousness of the newborn. <i>Seminars in Perinatology</i> , 2010 , 34, 201-6	3.3	25
276	Conotoxin BuIA[T5A;P6O]: a novel ligand that discriminates between $\alpha 6 \beta 4$ and $\alpha 6 \beta 2$ nicotinic acetylcholine receptors and blocks nicotine-stimulated norepinephrine release. <i>FASEB Journal</i> , 2010 , 24, 5113-5123	0.9	
275	X-ray structure of a pentameric ligand-gated ion channel in an apparently open conformation. <i>Nature</i> , 2009 , 457, 111-4	50.4	585
274	Nicotinic receptors: allosteric transitions and therapeutic targets in the nervous system. <i>Nature Reviews Drug Discovery</i> , 2009 , 8, 733-50	64.1	521
273	Nicotinic receptors and nicotine addiction. <i>Comptes Rendus - Biologies</i> , 2009 , 332, 421-5	1.4	19
272	Regional changes in the cholinergic system in mice lacking monoamine oxidase A. <i>Brain Research Bulletin</i> , 2009 , 78, 283-9	3.9	9
271	$\alpha 7$ nicotinic acetylcholine receptor regulates airway epithelium differentiation by controlling basal cell proliferation. <i>American Journal of Pathology</i> , 2009 , 175, 1868-82	5.8	58
270	The emergence of human consciousness: from fetal to neonatal life. <i>Pediatric Research</i> , 2009 , 65, 255-60	3.2	117
269	Object memory in young and aged mice after sevoflurane anaesthesia. <i>NeuroReport</i> , 2009 , 20, 1419-23	1.7	32
268	Abnormal response of dopaminergic neurons to nicotine without perturbation of nicotinic receptors in alphaCGRP knock-out mice. <i>Brain Research</i> , 2008 , 1228, 89-96	3.7	2
267	Nicotinic receptors, allosteric proteins and medicine. <i>Trends in Molecular Medicine</i> , 2008 , 14, 93-102	11.5	92
266	A non-radioactive ligand-binding assay for detection of cyanobacterial anatoxins using Torpedo electrocyte membranes. <i>Toxicon</i> , 2008 , 52, 163-74	2.8	19
265	Behavioral sequence analysis reveals a novel role for beta2* nicotinic receptors in exploration. <i>PLoS Computational Biology</i> , 2008 , 4, e1000229	5	30
264	Interplay of beta2* nicotinic receptors and dopamine pathways in the control of spontaneous locomotion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15991-6	11.5	62
263	Regional differential effects of chronic nicotine on brain alpha 4-containing and alpha 6-containing receptors. <i>NeuroReport</i> , 2008 , 19, 1545-50	1.7	11
262	Sevoflurane anesthesia alters exploratory and anxiety-like behavior in mice lacking the beta2 nicotinic acetylcholine receptor subunit. <i>Anesthesiology</i> , 2008 , 109, 790-8	4.3	15
261	Chronic nicotine exposure has dissociable behavioural effects on control and beta2-/- mice. <i>Behavior Genetics</i> , 2008 , 38, 503-14	3.2	14
260	Functional organization and conformational dynamics of the nicotinic receptor: a plausible structural interpretation of myasthenic mutations. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1132, 42-52	6.5	12

259	A prokaryotic proton-gated ion channel from the nicotinic acetylcholine receptor family. <i>Nature</i> , 2007 , 445, 116-9	50.4	257
258	Intracellular complexes of the beta2 subunit of the nicotinic acetylcholine receptor in brain identified by proteomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 20570-5	11.5	56
257	Nicotine and serotonin in immune regulation and inflammatory processes: a perspective. <i>Journal of Leukocyte Biology</i> , 2007 , 81, 599-606	6.5	109
256	Long-term effects of chronic nicotine exposure on brain nicotinic receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 8155-60	11.5	81
255	Loss of high-affinity nicotinic receptors increases the vulnerability to excitotoxic lesion and decreases the positive effects of an enriched environment. <i>FASEB Journal</i> , 2007 , 21, 4028-37	0.9	17
254	Docking of alpha-cobratoxin suggests a basal conformation of the nicotinic receptor. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 359, 413-8	3.4	13
253	The beta2 but not alpha7 subunit of the nicotinic acetylcholine receptor is required for nicotine-conditioned place preference in mice. <i>Psychopharmacology</i> , 2006 , 184, 339-44	4.7	168
252	Inhibition of both alpha7* and beta2* nicotinic acetylcholine receptors is necessary to prevent development of sensitization to cocaine-elicited increases in extracellular dopamine levels in the ventral striatum. <i>Psychopharmacology</i> , 2006 , 187, 181-8	4.7	32
251	Allosteric proteins: From regulatory enzymes to receptors. <i>Rendiconti Lincei</i> , 2006 , 17, 11-29	1.7	1
250	Allosteric receptors after 30 years. <i>Rendiconti Lincei</i> , 2006 , 17, 59-96	1.7	1
249	The role of nicotinic acetylcholine receptors in lymphocyte development. <i>Journal of Neuroimmunology</i> , 2006 , 171, 86-98	3.5	51
248	Monoamine oxidase inhibitors allow locomotor and rewarding responses to nicotine. <i>Neuropsychopharmacology</i> , 2006 , 31, 1704-13	8.7	70
247	A neurocomputational hypothesis for nicotine addiction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 1106-11	11.5	94
246	Mechanism of Cl ⁻ selection by a glutamate-gated chloride (GluCl) receptor revealed through mutations in the selectivity filter. <i>Journal of Biological Chemistry</i> , 2006 , 281, 14875-81	5.4	22
245	Implications of the quaternary twist allosteric model for the physiology and pathology of nicotinic acetylcholine receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 16965-70	11.5	88
244	The Ferrier Lecture 1998. The molecular biology of consciousness investigated with genetically modified mice. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006 , 361, 2239-59	5.8	20
243	Reinforcing effects of nicotine microinjections into the ventral tegmental area of mice: dependence on cholinergic nicotinic and dopaminergic D1 receptors. <i>Neuropharmacology</i> , 2006 , 50, 1030-40	5.4	77
242	Hierarchical control of dopamine neuron-firing patterns by nicotinic receptors. <i>Neuron</i> , 2006 , 50, 911-21	13.9	237

241	Conscious, preconscious, and subliminal processing: a testable taxonomy. <i>Trends in Cognitive Sciences</i> , 2006 , 10, 204-11	14	1343
240	Live imaging of neural structure and function by fibred fluorescence microscopy. <i>EMBO Reports</i> , 2006 , 7, 1154-61	6.5	68
239	Nicotinic modulation of network and synaptic transmission in the immature hippocampus investigated with genetically modified mice. <i>Journal of Physiology</i> , 2006 , 576, 533-46	3.9	50
238	A chimera encoding the fusion of an acetylcholine-binding protein to an ion channel is stabilized in a state close to the desensitized form of ligand-gated ion channels. <i>Comptes Rendus - Biologies</i> , 2005 , 328, 223-34	1.4	32
237	Nicotine upregulates its own receptors through enhanced intracellular maturation. <i>Neuron</i> , 2005 , 46, 595-607	13.9	224
236	Normal mode analysis suggests a quaternary twist model for the nicotinic receptor gating mechanism. <i>Biophysical Journal</i> , 2005 , 88, 3954-65	2.9	165
235	Allosteric mechanisms of signal transduction. <i>Science</i> , 2005 , 308, 1424-8	33.3	585
234	Ongoing spontaneous activity controls access to consciousness: a neuronal model for inattentive blindness. <i>PLoS Biology</i> , 2005 , 3, e141	9.7	206
233	Reconstitution of a Functional Acetylcholine Receptor. <i>FEBS Journal</i> , 2005 , 118, 203-214		37
232	Perinatal exposure to nicotine causes deficits associated with a loss of nicotinic receptor function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 3817-21	11.5	109
231	Molecular tuning of fast gating in pentameric ligand-gated ion channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 18207-12	11.5	94
230	Altered map of visual space in the superior colliculus of mice lacking early retinal waves. <i>Journal of Neuroscience</i> , 2005 , 25, 6921-8	6.6	93
229	Pore conformations and gating mechanism of a Cys-loop receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 15877-82	11.5	64
228	Acquisition and performance of delayed-response tasks: a neural network model. <i>Cerebral Cortex</i> , 2005 , 15, 489-506	5.1	21
227	Heterogeneity and selective targeting of neuronal nicotinic acetylcholine receptor (nAChR) subtypes expressed on retinal afferents of the superior colliculus and lateral geniculate nucleus: identification of a new native nAChR subtype alpha3beta2(alpha5 or beta3) enriched in retinocollicular afferents. <i>Molecular Pharmacology</i> , 2005 , 68, 1162-71	4.3	64
226	Rational understanding of nicotinic receptors drug binding. <i>Current Topics in Medicinal Chemistry</i> , 2004 , 4, 645-50	3	23
225	An extracellular protein microdomain controls up-regulation of neuronal nicotinic acetylcholine receptors by nicotine. <i>Journal of Biological Chemistry</i> , 2004 , 279, 18767-75	5.4	69
224	Long-term exposure to nicotine modulates the level and activity of acetylcholine receptors in white blood cells of smokers and model mice. <i>Molecular Pharmacology</i> , 2004 , 66, 1712-8	4.3	34

223	14-3-3 gamma associates with muscle specific kinase and regulates synaptic gene transcription at vertebrate neuromuscular synapse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 18189-94	11.5	37
222	Beta2-containing nicotinic receptors contribute to the organization of sleep and regulate putative micro-arousals in mice. <i>Journal of Neuroscience</i> , 2004 , 24, 5711-8	6.6	98
221	Knockout and knockin mice to investigate the role of nicotinic receptors in the central nervous system. <i>Progress in Brain Research</i> , 2004 , 145, 235-51	2.9	37
220	Distinct subcellular targeting of fluorescent nicotinic alpha 3 beta 4 and serotonergic 5-HT3A receptors in hippocampal neurons. <i>European Journal of Neuroscience</i> , 2004 , 19, 855-62	3.5	21
219	Analysis of the cellular expression pattern of beta-CGRP in alpha-CGRP-deficient mice. <i>Journal of Comparative Neurology</i> , 2004 , 476, 32-43	3.4	46
218	Nicotinic receptors regulate the survival of newborn neurons in the adult olfactory bulb. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 9822-6	11.5	87
217	Reduction of withdrawal signs after chronic nicotine exposure of alpha-calcitonin gene-related peptide knock-out mice. <i>Neuroscience Letters</i> , 2004 , 360, 73-6	3.3	17
216	Executive and social behaviors under nicotinic receptor regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 9596-601	11.5	136
215	Functional nicotinic acetylcholine receptors are expressed in B lymphocyte-derived cell lines. <i>Molecular Pharmacology</i> , 2003 , 64, 885-9	4.3	67
214	Electron microscopic evidence for nucleation and growth of 3D acetylcholine receptor microcrystals in structured lipid-detergent matrices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 11309-14	11.5	30
213	A neuronal network model linking subjective reports and objective physiological data during conscious perception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 8520-5	11.5	575
212	Subunit composition of functional nicotinic receptors in dopaminergic neurons investigated with knock-out mice. <i>Journal of Neuroscience</i> , 2003 , 23, 7820-9	6.6	440
211	Transcription in neuromuscular junction formation: who turns on whom?. <i>Journal of Neurocytology</i> , 2003 , 32, 677-84		13
210	An H-bond between two residues from different loops of the acetylcholine binding site contributes to the activation mechanism of nicotinic receptors. <i>EMBO Journal</i> , 2003 , 22, 1990-2003	13	49
209	Localization of [3H]nicotine, [3H]cytisine, [3H]epibatidine, and [125I]alpha-bungarotoxin binding sites in the brain of <i>Macaca mulatta</i> . <i>Journal of Comparative Neurology</i> , 2003 , 461, 49-60	3.4	86
208	Abnormal functional organization in the dorsal lateral geniculate nucleus of mice lacking the beta 2 subunit of the nicotinic acetylcholine receptor. <i>Neuron</i> , 2003 , 40, 1161-72	13.9	161
207	Nicotine activates immature "silent" connections in the developing hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 2059-64	11.5	97
206	Phosphorylation-elicited quaternary changes of GA binding protein in transcriptional activation. <i>Molecular and Cellular Biology</i> , 2003 , 23, 8008-18	4.8	22

205	Rapsyn escorts the nicotinic acetylcholine receptor along the exocytic pathway via association with lipid rafts. <i>Journal of Neuroscience</i> , 2002 , 22, 8891-901	6.6	116
204	Distribution and pharmacology of alpha 6-containing nicotinic acetylcholine receptors analyzed with mutant mice. <i>Journal of Neuroscience</i> , 2002 , 22, 1208-17	6.6	307
203	The diversity of subunit composition in nAChRs: evolutionary origins, physiologic and pharmacologic consequences. <i>Journal of Neurobiology</i> , 2002 , 53, 447-56		325
202	Biosynthesis of riboflavin: 6,7-dimethyl-8-ribityllumazine synthase of <i>Schizosaccharomyces pombe</i> . <i>FEBS Journal</i> , 2002 , 269, 519-26		31
201	Expression of mutant Ets protein at the neuromuscular synapse causes alterations in morphology and gene expression. <i>EMBO Reports</i> , 2002 , 3, 1075-81	6.5	34
200	Selective activation of central subtypes of the nicotinic acetylcholine receptor has opposite effects on neonatal excitotoxic brain injuries. <i>FASEB Journal</i> , 2002 , 16, 423-5	0.9	83
199	Experimentally based model of a complex between a snake toxin and the alpha 7 nicotinic receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 3216-21	11.5	103
198	Models of the extracellular domain of the nicotinic receptors and of agonist- and Ca ²⁺ -binding sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 3210-5	11.5	254
197	beta 2 nicotinic acetylcholine receptor subunit modulates protective responses to stress: A receptor basis for sleep-disordered breathing after nicotine exposure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 13272-7	11.5	75
196	Allosteric transitions of Torpedo acetylcholine receptor in lipids, detergent and amphipols: molecular interactions vs. physical constraints. <i>FEBS Letters</i> , 2002 , 528, 251-6	3.8	61
195	Nicotinic agonists stimulate acetylcholine release from mouse interpeduncular nucleus: a function mediated by a different nAChR than dopamine release from striatum. <i>Journal of Neurochemistry</i> , 2001 , 76, 258-68	6	133
194	Cajal on neurons, molecules, and consciousness. <i>Annals of the New York Academy of Sciences</i> , 2001 , 929, 147-51	6.5	5
193	Neurotoxicity of channel mutations in heterologously expressed alpha7-nicotinic acetylcholine receptors. <i>European Journal of Neuroscience</i> , 2001 , 13, 1849-60	3.5	23
192	Altered neuroadaptation in opiate dependence and neurogenic inflammatory nociception in alpha CGRP-deficient mice. <i>Nature Neuroscience</i> , 2001 , 4, 357-8	25.5	91
191	Allosteric mechanisms in normal and pathological nicotinic acetylcholine receptors. <i>Current Opinion in Neurobiology</i> , 2001 , 11, 369-77	7.6	97
190	LGICdb: the ligand-gated ion channel database. <i>Nucleic Acids Research</i> , 2001 , 29, 294-5	20.1	51
189	Targeting transcription to the neuromuscular synapse. <i>Neuron</i> , 2001 , 31, 15-22	13.9	170
188	Electrical activity regulates AChR gene expression via JNK, PKCzeta and Sp1 in skeletal chick muscle. <i>FEBS Letters</i> , 2001 , 487, 333-8	3.8	10

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30	Immunological characterisation of the cholinergic receptor protein from <i>Electrophorus electricus</i> . <i>FEBS Letters</i> , 1973 , 35, 124-8	3.8	103
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