Jean-Pierre Changeux

List of Publications by Year
in descending order

353 papers	52,957 citations	1893 102 h-index	1461 220 g-index
366 all docs	366 docs citations	366 times ranked	24953 citing authors

#	Article	IF	Citations
1	A tribute to Eddy Fischer (April 6, 1920â€“August 27, 2021): Passionate biochemist and mentor. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2121815119.	7.1	0
2	Differential mechanisms underlie trace and delay conditioning in Drosophila. Nature, 2022, 603, 302-308.	27.8	15
3	Epigenesis, Synapse Selection, Cultural Imprints, and Human Brain Development. , 2022, , 27-49.		3
4	A natural cortical axis connecting the outside and inside of the human brain. Network Neuroscience, 2022, 6, 950-959.	2.6	17
5	The natural axis of transmitter receptor distribution in the human cerebral cortex. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	66
6	Ivermectin as a potential treatment for COVID-19?. PLoS Neglected Tropical Diseases, 2021, 15, e0009446.	3.0	8
7	Attenuation of clinical and immunological outcomes during SARSâ€CoVâ€2 infection byÂivermectin. EMBO Molecular Medicine, 2021, 13, e14122.	6.9	38
8	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). Analytical Chemistry, 2021, 93, 12011-12021.	6.5	8
9	A Connectomic Hypothesis for the Hominization of the Brain. Cerebral Cortex, 2021, 31, 2425-2449.	2.9	47
10	Nicotinic receptors: From protein allostery to computational neuropharmacology. Molecular Aspects of Medicine, 2021, 84, 101044.	6.4	10
11	Inhibitory control of synaptic signals preceding locomotion in mouse frontal cortex. Cell Reports, 2021, 37, 110035.	6.4	3
12	Do Nicotinic Receptors Modulate High-Order Cognitive Processing?. Trends in Neurosciences, 2020, 43, 550-564.	8.6	32
13	A strategy for designing allosteric modulators of transcription factor dimerization. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2683-2686.	7.1	11
14	The Glycine Receptor Allosteric Ligands Library (GRALL). Bioinformatics, 2020, 36, 3379-3384.	4.1	21
15	Conscious Processing and the Global Neuronal Workspace Hypothesis. Neuron, 2020, 105, 776-798.	8.1	487
16	Golden Anniversary of the Nicotinic Receptor. Neuron, 2020, 107, 14-16.	8.1	8
17	The Molecular Organization of Self-awareness: Paralimbic Dopamine-GABA Interaction. Frontiers in Systems Neuroscience, 2020, 14, 3.	2.5	6
18	Discovery of the First Neurotransmitter Receptor: The Acetylcholine Nicotinic Receptor. Biomolecules, 2020, 10, 547.	4.0	30

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19	A nicotinic hypothesis for Covid-19 with preventive and therapeutic implications. , 2020, 343, 33-39.		193
20	Allostery in Its Many Disguises: From Theory to Applications. Structure, 2019, 27, 566-578.	3.3	285
21	Two Cultures and Our Encyclopaedic Brain. European Review, 2019, 27, 54-65.	0.7	1
22	Structural Identification of the Nicotinic Receptor Ion Channel. Trends in Neurosciences, 2018, 41, 67-70.	8.6	14
23	Drug Addiction: From Neuroscience to Ethics. Frontiers in Psychiatry, 2018, 9, 595.	2.6	11
24	The nicotinic acetylcholine receptor: a typical â€˜allosteric machineâ€™. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170174.	4.0	63
25	Towards a cognitive neuroscience of self-awareness. Neuroscience and Biobehavioral Reviews, 2017, 83, 765-773.	6.1	73
26	Nicotine reverses hypofrontality in animal models of addiction and schizophrenia. Nature Medicine, 2017, 23, 347-354.	30.7	142
27	Climbing Brain Levels of Organisation from Genes to Consciousness. Trends in Cognitive Sciences, 2017, 21, 168-181.	7.8	50
28	Allosteric modulation as a unifying mechanism for receptor function and regulation. Diabetes, Obesity and Metabolism, 2017, 19, 4-21.	4.4	41
29	Un-gating and allosteric modulation of a pentameric ligand-gated ion channel captured by molecular dynamics. PLoS Computational Biology, 2017, 13, e1005784.	3.2	32
30	Bradykinin Induces TRPV1 Exocytotic Recruitment in Peptidergic Nociceptors. Frontiers in Pharmacology, 2016, 7, 178.	3.5	27
31	Nicotinic receptors in mouse prefrontal cortex modulate ultraslow fluctuations related to conscious processing. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14823-14828.	7.1	27
32	Biased Allostery. Biophysical Journal, 2016, 111, 902-908.	0.5	19
33	Allosteric Modulation as a Unifying Mechanism for Receptor Function and Regulation. Cell, 2016, 166, 1084-1102.	28.9	246
34	Synaptic Epigenesis and the Evolution of Higher Brain Functions. Exploring Complexity, 2016, , 21-34.	0.1	0
35	Proactive epigenesis and ethical innovation. EMBO Reports, 2016, 17, 1361-1364.	4.5	21
36	Single Molecule Motion Map of GLIC by Diffracted X-Ray Tracking. Biophysical Journal, 2015, 108, 191a-192a.	0.5	0

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37	The nicotinic acetylcholine receptor: From molecular biology to cognition. Neuropharmacology, 2015, 96, 135-136.	4.1	18
38	The nicotinic Î±6 subunit gene determines variability in chronic pain sensitivity via cross-inhibition of P2X2/3 receptors. Science Translational Medicine, 2015, 7, 287ra72.	12.4	59
39	The nicotinic acetylcholine receptor and its prokaryotic homologues: Structure, conformational transitions & allosteric modulation. Neuropharmacology, 2015, 96, 137-149.	4.1	113
40	Protein dynamics and the allosteric transitions of pentameric receptor channels. Biophysical Reviews, 2014, 6, 311-321.	3.2	11
41	Structural basis for cooperative interactions of substituted 2-aminopyrimidines with the acetylcholine binding protein. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10749-10754.	7.1	18
42	Allosteric regulation of pentameric ligand-gated ion channels: An emerging mechanistic perspective. Channels, 2014, 8, 350-360.	2.8	31
43	Î±CGRP is essential for algesic exocytotic mobilization of TRPV1 channels in peptidergic nociceptors. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18345-18350.	7.1	47
44	Crystal structures of a pentameric ligand-gated ion channel provide a mechanism for activation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 966-971.	7.1	175
45	International Union of Basic and Clinical Pharmacology. XC. Multisite Pharmacology: Recommendations for the Nomenclature of Receptor Allosterism and Allosteric Ligands. Pharmacological Reviews, 2014, 66, 918-947.	16.0	189
46	Structural Basis for Allosteric Transitions in the GLIC Pentameric Proton-Gated Ion Channel. Biophysical Journal, 2014, 106, 343a.	0.5	0
47	The concept of allosteric modulation: an overview. Drug Discovery Today: Technologies, 2013, 10, e223-e228.	4.0	69
48	50 years of allosteric interactions: the twists and turns of the models. Nature Reviews Molecular Cell Biology, 2013, 14, 819-829.	37.0	137
49	The Origins of Allostery: From Personal Memories to Material for the Future. Journal of Molecular Biology, 2013, 425, 1396-1406.	4.2	19
50	Intermediate closed state for glycine receptor function revealed by cysteine cross-linking. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17113-17118.	7.1	15
51	A gating mechanism of pentameric ligand-gated ion channels. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3987-96.	7.1	129
52	The Concept of Allosteric Interaction and Its Consequences for the Chemistry of the Brain. Journal of Biological Chemistry, 2013, 288, 26969-26986.	3.4	20
53	Altered paralimbic interaction in behavioral addiction. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4744-4749.	7.1	37
54	The Nicotinic Acetylcholine Receptor: The Founding Father of the Pentameric Ligand-gated Ion Channel Superfamily. Journal of Biological Chemistry, 2012, 287, 40207-40215.	3.4	199

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55	Deciding between conflicting motivations: What mice make of their prefrontal cortex. Behavioural Brain Research, 2012, 229, 419-426.	2.2	14
56	Synaptic Epigenesis and the Evolution of Higher Brain Functions. Research and Perspectives in Neurosciences, 2012, , 11-22.	0.4	7
57	A Neuronal Model of Predictive Coding Accounting for the Mismatch Negativity. Journal of Neuroscience, 2012, 32, 3665-3678.	3.6	476
58	Beauty in the brain: for a neuroscience of art. Rendiconti Lincei, 2012, 23, 315-320.	2.2	3
59	Allostery and the Monod-Wyman-Changeux Model After 50 Years. Annual Review of Biophysics, 2012, 41, 103-133.	10.0	329
60	Structure and Pharmacology of Pentameric Receptor Channels: From Bacteria to Brain. Structure, 2012, 20, 941-956.	3.3	202
61	Alpha7-nicotinic receptors modulate nicotine-induced reinforcement and extracellular dopamine outflow in the mesolimbic system in mice. Psychopharmacology, 2012, 220, 1-14.	3.1	49
62	Distinct contributions of nicotinic acetylcholine receptor subunit Î±4 and subunit Î±6 to the reinforcing effects of nicotine. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7577-7582.	7.1	146
63	Antibodies against Extracellular Domains of alpha4 and alpha7 Subunits Alter the Levels of Nicotinic Receptors in the Mouse Brain and Affect Memory: Possible Relevance to Alzheimer's Pathology. Journal of Alzheimer's Disease, 2011, 24, 693-704.	2.6	15
64	Experimental and Theoretical Approaches to Conscious Processing. Neuron, 2011, 70, 200-227.	8.1	1,768
65	50th anniversary of the word â€œallostericâ€: Protein Science, 2011, 20, 1119-1124.	7.6	67
66	Conformational selection or induced fit? 50 years of debate resolved. F1000 Biology Reports, 2011, 3, 19.	4.0	226
67	X-ray structures of general anaesthetics bound to a pentameric ligand-gated ion channel. Nature, 2011, 469, 428-431.	27.8	407
68	Introducing the Human Brain Project. Procedia Computer Science, 2011, 7, 39-42.	2.0	118
69	Emergent pharmacology of conscious experience: new perspectives in substance addiction. FASEB Journal, 2011, 25, 2098-2108.	0.5	26
70	Prefrontal nicotinic receptors control novel social interaction between mice. FASEB Journal, 2011, 25, 2145-2155.	0.5	93
71	Î±7 and Î²2* nicotinic receptors control monoamine-mediated locomotor response. NeuroReport, 2010, 21, 1085-1089.	1.2	7
72	Basic Consciousness of the Newborn. Seminars in Perinatology, 2010, 34, 201-206.	2.5	30

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73	Nicotine addiction and nicotinic receptors: lessons from genetically modified mice. Nature Reviews Neuroscience, 2010, 11, 389-401.	10.2	381
74	A versatile system for the neuronal subtype specific expression of lentiviral vectors. FASEB Journal, 2010, 24, 723-730.	0.5	33
75	One-microsecond molecular dynamics simulation of channel gating in a nicotinic receptor homologue. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6275-6280.	7.1	159
76	Alterations of cortical pyramidal neurons in mice lacking high-affinity nicotinic receptors. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11567-11572.	7.1	93
77	Relationships between Structural Dynamics and Functional Kinetics inÂOligomeric Membrane Receptors. Biophysical Journal, 2010, 98, 2045-2052.	0.5	27
78	Allosteric Receptors: From Electric Organ to Cognition. Annual Review of Pharmacology and Toxicology, 2010, 50, 1-38.	9.4	106
79	αâ€Conotoxin BulA[T5A;P6O]: a novel ligand that discriminates between 06 Î²4 and 0:6 Î²2 nicotinic acetylcholine receptors and blocks nicotineâ€stimulated norepinephrine release. FASEB Journal, 2010, 24, 5113-5123.	0.5	1
80	X-ray structure of a pentameric ligand-gated ion channel in an apparently open conformation. Nature, 2009, 457, 111-114.	27.8	644
81	Nicotinic receptors: allosteric transitions and therapeutic targets in the nervous system. Nature Reviews Drug Discovery, 2009, 8, 733-750.	46.4	591
82	Nicotinic receptors and nicotine addiction. Comptes Rendus - Biologies, 2009, 332, 421-425.	0.2	26
83	Regional changes in the cholinergic system in mice lacking monoamine oxidase A. Brain Research Bulletin, 2009, 78, 283-289.	3.0	10
84	Î±7 Nicotinic Acetylcholine Receptor Regulates Airway Epithelium Differentiation by Controlling Basal Cell Proliferation. American Journal of Pathology, 2009, 175, 1868-1882.	3.8	75
85	The Emergence of Human Consciousness: From Fetal to Neonatal Life. Pediatric Research, 2009, 65, 255-260.	2.3	197
86	Object memory in young and aged mice after sevoflurane anaesthesia. NeuroReport, 2009, 20, 1419-1423.	1.2	32
87	Chronic Nicotine Exposure has Dissociable Behavioural Effects on Control and Beta2â^'/â^' Mice. Behavior Genetics, 2008, 38, 503-514.	2.1	16
88	Nicotinic agonists stimulate acetylcholine release from mouse interpeduncular nucleus: a function mediated by a different nAChR than dopamine release from striatum. Journal of Neurochemistry, 2008, 76, 258-268.	3.9	143
89	Functional Organization and Conformational Dynamics of the Nicotinic Receptor. Annals of the New York Academy of Sciences, 2008, 1132, 42-52.	3.8	15
90	Abnormal response of dopaminergic neurons to nicotine without perturbation of nicotinic receptors in Î±CGRP knock-out mice. Brain Research, 2008, 1228, 89-96.	2.2	2

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91	Nicotinic receptors, allosteric proteins and medicine. Trends in Molecular Medicine, 2008, 14, 93-102.	6.7	104
92	A non-radioactive ligand-binding assay for detection of cyanobacterial anatoxins using Torpedo electrocyte membranes. Toxicon, 2008, 52, 163-174.	1.6	20
93	Behavioral Sequence Analysis Reveals a Novel Role for ÃŸ2* Nicotinic Receptors in Exploration. PLoS Computational Biology, 2008, 4, e1000229.	3.2	35
94	Interplay of Î²2* nicotinic receptors and dopamine pathways in the control of spontaneous locomotion. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15991-15996.	7.1	71
95	Regional differential effects of chronic nicotine on brain Î±4-containing and Î±6-containing receptors. NeuroReport, 2008, 19, 1545-1550.	1.2	12
96	Sevoflurane Anesthesia Alters Exploratory and Anxiety-like Behavior in Mice Lacking the Î²2Nicotinic Acetylcholine Receptor Subunit. Anesthesiology, 2008, 109, 790-798.	2.5	16
97	Foreword. Avant-propos. Revue D'Economie Politique, 2008, Vol. 118, 1-2.	0.5	0
98	Intracellular complexes of the 2 subunit of the nicotinic acetylcholine receptor in brain identified by proteomics. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20570-20575.	7.1	60
99	Nicotine and serotonin in immune regulation and inflammatory processes: a perspective. Journal of Leukocyte Biology, 2007, 81, 599-606.	3.3	123
100	Long-term effects of chronic nicotine exposure on brain nicotinic receptors. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8155-8160.	7.1	92
101	Loss of highâ€affinity nicotinic receptors increases the vulnerability to excitotoxic lesion and decreases the positive effects of an enriched environment. FASEB Journal, 2007, 21, 4028-4037.	0.5	18
102	Docking of Î±-cobratoxin suggests a basal conformation of the nicotinic receptor. Biochemical and Biophysical Research Communications, 2007, 359, 413-418.	2.1	14
103	A prokaryotic proton-gated ion channel from the nicotinic acetylcholine receptor family. Nature, 2007, 445, 116-119.	27.8	288
104	The Ferrier Lecture 1998 The molecular biology of consciousness investigated with genetically modified mice. Philosophical Transactions of the Royal Society B: Biological Sciences, 2006, 361, 2239-2259.	4.0	22
105	Reinforcing effects of nicotine microinjections into the ventral tegmental area of mice: Dependence on cholinergic nicotinic and dopaminergic D1 receptors. Neuropharmacology, 2006, 50, 1030-1040.	4.1	78
106	Hierarchical Control of Dopamine Neuron-Firing Patterns by Nicotinic Receptors. Neuron, 2006, 50, 911-921.	8.1	263
107	Conscious, preconscious, and subliminal processing: a testable taxonomy. Trends in Cognitive Sciences, 2006, 10, 204-211.	7.8	1,649
108	Live imaging of neural structure and function by fibred fluorescence microscopy. EMBO Reports, 2006, 7, 1154-1161.	4.5	76

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109	Nicotinic modulation of network and synaptic transmission in the immature hippocampus investigated with genetically modified mice. Journal of Physiology, 2006, 576, 533-546.	2.9	53
110	The Î²2 but not Î±7 subunit of the nicotinic acetylcholine receptor is required for nicotine-conditioned place preference in mice. Psychopharmacology, 2006, 184, 339-344.	3.1	184
111	Inhibition of both Î±7* and Î²2* nicotinic acetylcholine receptors is necessary to prevent development of sensitization to cocaine-elicited increases in extracellular dopamine levels in the ventral striatum. Psychopharmacology, 2006, 187, 181-188.	3.1	34
112	Allosteric proteins: From regulatory enzymes to receptors. Rendiconti Lincei, 2006, 17, 11-29.	2.2	1
113	Allosteric receptors after 30 years. Rendiconti Lincei, 2006, 17, 59-96.	2.2	2
114	The role of nicotinic acetylcholine receptors in lymphocyte development. Journal of Neuroimmunology, 2006, 171, 86-98.	2.3	59
115	Monoamine Oxidase Inhibitors Allow Locomotor and Rewarding Responses to Nicotine. Neuropsychopharmacology, 2006, 31, 1704-1713.	5.4	80
116	A neurocomputational hypothesis for nicotine addiction. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1106-1111.	7.1	104
117	Mechanism of Cl- Selection by a Glutamate-gated Chloride (GluCl) Receptor Revealed through Mutations in the Selectivity Filter. Journal of Biological Chemistry, 2006, 281, 14875-14881.	3.4	27
118	Implications of the quaternary twist allosteric model for the physiology and pathology of nicotinic acetylcholine receptors. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16965-16970.	7.1	91
119	Ongoing Spontaneous Activity Controls Access to Consciousness: A Neuronal Model for Inattentional Blindness. PLoS Biology, 2005, 3, e141.	5.6	250
120	From The Cover: Perinatal exposure to nicotine causes deficits associated with a loss of nicotinic receptor function. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3817-3821.	7.1	129
121	Molecular tuning of fast gating in pentameric ligand-gated ion channels. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18207-18212.	7.1	106
122	Altered Map of Visual Space in the Superior Colliculus of Mice Lacking Early Retinal Waves. Journal of Neuroscience, 2005, 25, 6921-6928.	3.6	110
123	Pore conformations and gating mechanism of a Cys-loop receptor. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15877-15882.	7.1	66
124	Acquisition and Performance of Delayed-response Tasks: a Neural Network Model. Cerebral Cortex, 2005, 15, 489-506.	2.9	22
125	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 Î±3Î²2(Î±5 or Î²3) Enriched in Retinocollicular Afferents. Molecular Pharmacology, 2005, 68, 1162-1171.	2.3	68
126	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. Comptes Rendus - Biologies, 2005, 328, 223-234.	0.2	34

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127	Nicotine Upregulates Its Own Receptors through Enhanced Intracellular Maturation. Neuron, 2005, 46, 595-607.	8.1	237
128	Normal Mode Analysis Suggests a Quaternary Twist Model for the Nicotinic Receptor Gating Mechanism. Biophysical Journal, 2005, 88, 3954-3965.	0.5	178
129	Allosteric Mechanisms of Signal Transduction. Science, 2005, 308, 1424-1428.	12.6	663
130	Rational Understanding of Nicotinic Receptors Drug Binding. Current Topics in Medicinal Chemistry, 2004, 4, 645-651.	2.1	28
131	An Extracellular Protein Microdomain Controls Up-regulation of Neuronal Nicotinic Acetylcholine Receptors by Nicotine. Journal of Biological Chemistry, 2004, 279, 18767-18775.	3.4	73
132	Long-Term Exposure to Nicotine Modulates the Level and Activity of Acetylcholine Receptors in White Blood Cells of Smokers and Model Mice. Molecular Pharmacology, 2004, 66, 1712-1718.	2.3	35
133	14-3-3 Â associates with muscle specific kinase and regulates synaptic gene transcription at vertebrate neuromuscular synapse. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 18189-18194.	7.1	38
134	Â2-Containing Nicotinic Receptors Contribute to the Organization of Sleep and Regulate Putative Micro-Arousals in Mice. Journal of Neuroscience, 2004, 24, 5711-5718.	3.6	109
135	Knockout and knockin mice to investigate the role of nicotinic receptors in the central nervous system. Progress in Brain Research, 2004, 145, 233-251.	1.4	39
136	Distinct subcellular targeting of fluorescent nicotinic Î±3Î²4 and serotoninergic 5-HT3A receptors in hippocampal neurons. European Journal of Neuroscience, 2004, 19, 855-862.	2.6	22
137	Analysis of the cellular expression pattern of Î²â€CGRP in Î±â€CGRPâ€deficient mice. Journal of Comparative Neurology, 2004, 476, 32-43.	1.6	50
138	Nicotinic receptors regulate the survival of newborn neurons in the adult olfactory bulb. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9822-9826.	7.1	99
139	Reduction of withdrawal signs after chronic nicotine exposure of alpha-calcitonin gene-related peptide knock-out mice. Neuroscience Letters, 2004, 360, 73-76.	2.1	18
140	Transcription in neuromuscular junction formation: Who turns on whom?. Journal of Neurocytology, 2003, 32, 677-684.	1.5	15
141	An H-bond between two residues from different loops of the acetylcholine binding site contributes to the activation mechanism of nicotinic receptors. EMBO Journal, 2003, 22, 1990-2003.	7.8	54
142	Localization of [3H]nicotine, [3H]cytisine, [3H]epibatidine, and [125I]Î±-bungarotoxin binding sites in the brain ofMacaca mulatta. Journal of Comparative Neurology, 2003, 461, 49-60.	1.6	91
143	Abnormal Functional Organization in the Dorsal Lateral Geniculate Nucleus of Mice Lacking the Î²2 Subunit of the Nicotinic Acetylcholine Receptor. Neuron, 2003, 40, 1161-1172.	8.1	181
144	Nicotine activates immature "silent" connections in the developing hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2059-2064.	7.1	103

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145	Phosphorylation-Elicited Quaternary Changes of GA Binding Protein in Transcriptional Activation. Molecular and Cellular Biology, 2003, 23, 8008-8018.	2.3	23
146	Executive and social behaviors under nicotinic receptor regulation. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9596-9601.	7.1	157
147	Functional Nicotinic Acetylcholine Receptors Are Expressed in B Lymphocyte-Derived Cell Lines. Molecular Pharmacology, 2003, 64, 885-889.	2.3	72
148	Electron microscopic evidence for nucleation and growth of 3D acetylcholine receptor microcrystals in structured lipid-detergent matrices. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11309-11314.	7.1	33
149	A neuronal network model linking subjective reports and objective physiological data during conscious perception. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8520-8525.	7.1	735
150	Subunit Composition of Functional Nicotinic Receptors in Dopaminergic Neurons Investigated with Knock-Out Mice. Journal of Neuroscience, 2003, 23, 7820-7829.	3.6	473
151	Selective activation of central subtypes of the nicotinic acetylcholine receptor has opposite effects on neonatal excitotoxic brain injuries. FASEB Journal, 2002, 16, 423-425.	0.5	94
152	Experimentally based model of a complex between a snake toxin and the Â7 nicotinic receptor. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3216-3221.	7.1	121
153	Models of the extracellular domain of the nicotinic receptors and of agonist- and Ca2+-binding sites. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3210-3215.	7.1	263
154	Â2 nicotinic acetylcholine receptor subunit modulates protective responses to stress: A receptor basis for sleep-disordered breathing after nicotine exposure. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13272-13277.	7.1	80
155	Allosteric transitions of Torpedo acetylcholine receptor in lipids, detergent and amphipols: molecular interactions vs. physical constraints. FEBS Letters, 2002, 528, 251-256.	2.8	65
156	Rapsyn Escorts the Nicotinic Acetylcholine Receptor Along the Exocytic Pathway via Association with Lipid Rafts. Journal of Neuroscience, 2002, 22, 8891-8901.	3.6	125
157	Distribution and Pharmacology of Î±6-Containing Nicotinic Acetylcholine Receptors Analyzed with Mutant Mice. Journal of Neuroscience, 2002, 22, 1208-1217.	3.6	330
158	The diversity of subunit composition in nAChRs: Evolutionary origins, physiologic and pharmacologic consequences. Journal of Neurobiology, 2002, 53, 447-456.	3.6	371
159	Biosynthesis of riboflavin. FEBS Journal, 2002, 269, 519-526.	0.2	32
160	Expression of mutant Ets protein at the neuromuscular synapse causes alterations in morphology and gene expression. EMBO Reports, 2002, 3, 1075-1081.	4.5	37
161	Targeting Transcription to the Neuromuscular Synapse. Neuron, 2001, 31, 15-22.	8.1	184
162	Electrical activity regulates AChR gene expression via JNK, PKCÎ¶ and Sp1 in skeletal chick muscle. FEBS Letters, 2001, 487, 333-338.	2.8	11

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163	Molecular and Physiological Diversity of Nicotinic Acetylcholine Receptors in the Midbrain Dopaminergic Nuclei. Journal of Neuroscience, 2001, 21, 1452-1463.	3.6	626
164	Neurotoxicity of channel mutations in heterologously expressed Î±7-nicotinic acetylcholine receptors. European Journal of Neuroscience, 2001, 13, 1849-1860.	2.6	24
165	Altered neuroadaptation in opiate dependence and neurogenic inflammatory nociception in Î±CGRP-deficient mice. Nature Neuroscience, 2001, 4, 357-358.	14.8	105
166	Nicotinic receptors in wonderland. Trends in Biochemical Sciences, 2001, 26, 459-463.	7.5	158
167	Allosteric mechanisms in normal and pathological nicotinic acetylcholine receptors. Current Opinion in Neurobiology, 2001, 11, 369-377.	4.2	103
168	LGICdb: the ligand-gated ion channel database. Nucleic Acids Research, 2001, 29, 294-295.	14.5	61
169	Cajal on Neurons, Molecules, and Consciousness. Annals of the New York Academy of Sciences, 2001, 929, 147-151.	3.8	7
170	Calcium mobilization elicited by two types of nicotinic acetylcholine receptors in mouse substantia nigra pars compacta. European Journal of Neuroscience, 2000, 12, 2475-2485.	2.6	93
171	Localization of nAChR subunit mRNAs in the brain of Macaca mulatta. European Journal of Neuroscience, 2000, 12, 3664-3674.	2.6	139
172	Control of neurulation by the nucleosome assembly protein-1â€"like 2. Nature Genetics, 2000, 25, 431-435.	21.4	78
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