Ferdinand Hucho

List of Publications by Year
in descending order

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69 papers	3,233 citations	159525 30 h-index	149623 56 g-index
73 all docs	73 docs citations	73 times ranked	1204 citing authors

#	Article	IF	Citations
1	Loop 3 of Short Neurotoxin II is an Additional Interaction Site with Membrane-bound Nicotinic Acetylcholine Receptor as Detected by Solid-state NMR Spectroscopy. Journal of Molecular Biology, 2009, 390, 662-671.	2.0	25
2	Covalent labeling of functional states of the acetylcholine receptor. FEBS Journal, 2008, 147, 483-487.	0.2	20
3	Characterization of rat transient receptor potential vanilloid 1 receptors lacking the N-glycosylation site N604. NeuroReport, 2005, 16, 997-1001.	0.6	39
4	Intracellular domains of the Î´-subunits of Torpedo and rat acetylcholine receptorsâ€”expression, purification, and characterization. Protein Expression and Purification, 2004, 38, 237-247.	0.6	12
5	Towards structure determination of neurotoxin II bound to nicotinic acetylcholine receptor: a solid-state NMR approach. FEBS Letters, 2004, 564, 319-324.	1.3	29
6	Dual expression of mouse and rat VRL-1 in the dorsal root ganglion derived cell line F-11 and biochemical analysis of VRL-1 after heterologous expression. FEBS Journal, 2003, 270, 4264-4271.	0.2	33
7	Structureâ”Activity Relationships of Methoctramine-Related Polyamines as Muscular Nicotinic Receptor Noncompetitive Antagonists. 2.1Role of Polymethylene Chain Lengths Separating Amine Functions and of Substituents on the Terminal Nitrogen Atoms. Journal of Medicinal Chemistry, 2002, 45, 1860-1878.	2.9	14
8	Biochemical characterization of the vanilloid receptor 1 expressed in a dorsal root ganglia derived cell line. FEBS Journal, 2001, 268, 5489-5496.	0.2	89
9	Ligand-Gated Ion Channels. Angewandte Chemie - International Edition, 2001, 40, 3100-3116.	7.2	76
10	Binding of polyamine-containing toxins in the vestibule of the nicotinic acetylcholine receptor ion channel. Il Farmaco, 2001, 56, 133-135.	0.9	5
11	Location of the Polyamine Binding Site in the Vestibule of the Nicotinic Acetylcholine Receptor Ion Channel. Journal of Biological Chemistry, 2001, 276, 6151-6160.	1.6	23
12	Structure-activity relationship and site of binding of polyamine derivatives at the nicotinic acetylcholine receptor. FEBS Journal, 2000, 267, 110-120.	0.2	29
13	Binding Properties of Agonists and Antagonists to Distinct Allosteric States of the Nicotinic Acetylcholine Receptor Are Incompatible with a Concerted Model. Journal of Biological Chemistry, 2000, 275, 30196-30201.	1.6	18
14	How do acetylcholine receptor ligands reach their binding sites?. FEBS Journal, 1999, 265, 902-910.	0.2	18
15	Physicochemical and immunological studies of the N-terminal domain Ã¯Â¿Â½of theTorpedoacetylcholine receptor Î±-subunit expressed in Ã¯Â¿Â½Escherichia coli. FEBS Journal, 1999, 259, 310-319.	0.2	33
16	Ligand Binding to Nicotinic Acetylcholine Receptor Investigated by Surface Plasmon Resonance. Analytical Chemistry, 1999, 71, 3157-3165.	3.2	30
17	The role of subunit interfaces for the nicotinic acetylcholine receptor's allosterism. Journal of Physiology (Paris), 1998, 92, 85-88.	2.1	0
18	Downstream targets of urokinase-type plasminogen-activator-mediated signal transduction. FEBS Journal, 1998, 253, 421-429.	0.2	91

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19	Reverse-Phase Chromatography Isolation and MALDI Mass Spectrometry of the Acetylcholine Receptor Subunits. Protein Expression and Purification, 1998, 12, 226-232.	0.6	4
20	Interactions of the Nicotinic Acetylcholine Receptor Transmembrane Segments with the Lipid Bilayer in Native Receptor-Rich Membranes. Biochemistry, 1997, 36, 839-847.	1.2	45
21	Nuclear localization of protein kinase CÎ± and its association with nuclear components in Neuro-2a neuroblastoma cells. FEBS Letters, 1997, 406, 61-65.	1.3	11
22	The Emerging Three-Dimensional Structure of a Receptor. The Nicotinic Acetylcholine Receptor. FEBS Journal, 1996, 239, 539-557.	0.2	187
23	The emerging three-dimensional structure of a receptor. , 1996, , 175-193.		0
24	The Handedness of the Subunit Arrangement of the Nicotinic Acetylcholine Receptor from Torpedo californica. FEBS Journal, 1995, 234, 427-430.	0.2	50
25	Toxine als Werkzeuge in der Neurochemie. Angewandte Chemie, 1995, 107, 23-36.	1.6	10
26	Toxins as Tools in Neurochemistry. Angewandte Chemie International Edition in English, 1995, 34, 39-50.	4.4	46
27	All potential glycosylation sites of the nicotinic acetylcholine receptor delta subunit from Torpedo californica are utilized. FEBS Journal, 1994, 220, 1005-1011.	0.2	13
28	Î²-structure in the membrane-spanning part of the nicotinic acetylcholine receptor (or how helical are) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.7	39
29	Secondary structure and temperature behavior of the acetylcholine receptor by Fourier transform infrared spectroscopy. Biochemistry, 1993, 32, 3162-3168.	1.2	65
30	Chapter 4 The nicotinic acetylcholine receptor. New Comprehensive Biochemistry, 1993, 24, 113-135.	0.1	2
31	Investigation of ligand binding sites of the acetylcholine receptor using photoactivatable derivatives of neurotoxin II from Naja naja oxiana. Biochemistry, 1992, 31, 8239-8244.	1.2	40
32	Fourier transform infrared (FTIR) spectroscopic investigation of the nicotinic acetylcholine receptor (nAChR) Investigation of agonist binding and receptor conformational changes by flash-induced release of â€˜cagedâ€™ carbamoylcholine. FEBS Letters, 1992, 309, 213-217.	1.3	22
33	Phosphorylation sites of the nicotinic acetylcholine receptor. A novel site detected in position .delta.S362. Biochemistry, 1991, 30, 3583-3588.	1.2	25
34	Identification of Phosphorylation Sites in the Nicotinic Acetylcholine Receptor by Edman Degradation and Mass Spectroscopy LC/MS and LC/MS/MS. , 1991, , 79-84.		0
35	Identification of phosphopeptides by mass spectrometry. FEBS Letters, 1990, 273, 31-35.	1.3	22
36	Symmetry and Dimensions of Membrane-Bound Nicotinic Acetylcholine Receptors fromTorpedo californicaElectric Tissue: Rapid Rearrangement to Two-Dimensional Ordered Lattices. Membrane Biochemistry, 1989, 8, 81-93.	0.6	4

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37	The selectivity filter of a ligand-gated ion channel. The Protein Journal, 1989, 8, 327-329.	1.1	0
38	The electron microscopy of the nicotinic acetylcholine receptor. Electron Microscopy Reviews, 1989, 2, 349-366.	1.3	4
39	The selectivity filter of a ligand-gated ion channel. FEBS Letters, 1989, 257, 17-23.	1.3	42
40	Rapid preparation of the nicotinic acetylcholine receptor for crystallization in detergent solution. FEBS Letters, 1988, 241, 29-32.	1.3	21
41	The ion channel of the nicotinic acetylcholine receptor. Trends in Neurosciences, 1987, 10, 318-321.	4.2	83
42	The ion channel of the nicotinic acetylcholine receptor is formed by the homologous helices M II of the receptor subunits. FEBS Letters, 1986, 205, 137-142.	1.3	312
43	A stopped-flow apparatus for photoaffinity labeling studies in the milliseconds time range. Application in investigations of the nicotinic acetylcholine receptor. Journal of Neuroscience Methods, 1986, 16, 29-38.	1.3	4
44	The nicotinic acetylcholine receptor and its ion channel. FEBS Journal, 1986, 158, 211-225.	0.2	160
45	High- and low-affinity binding of [3H]acetylcholine at nicotinic cholinergic receptors in rat brain. Neuroscience Letters, 1985, 59, 271-276.	1.0	9
46	Palytoxin-induced permeability changes in excitable membranes. Biochimica Et Biophysica Acta - Biomembranes, 1985, 818, 55-60.	1.4	20
47	Rapid laser flash photoaffinity labeling of binding sites for a noncompetitive inhibitor of the acetylcholine receptor. Biochemistry, 1984, 23, 2725-2730.	1.2	19
48	Photoaffinity labeling of acetylcholine receptor in millisecond time scale. FEBS Letters, 1984, 166, 146-150.	1.3	20
49	Functional and structural analysis of acetylcholine receptor-rich membranes after negative staining. FEBS Letters, 1984, 173, 217-221.	1.3	12
50	Covalent labeling of the acetylcholine receptor from Torpedo electric tissue with the channel blocker [3H]triphenylmethylphosphonium by ultraviolet irradiation. Biochemistry, 1983, 22, 421-425.	1.2	46
51	Acetylcholine receptor-rich membranes contain an endogenous protease regulated by peripheral membrane protein. FEBS Letters, 1982, 147, 168-170.	1.3	9
52	Reconstitution of active acetylcholine receptor by hybridisation of binding site-blocked with ion channel-blocked acetylcholine receptor protein. Biochimica Et Biophysica Acta - Biomembranes, 1980, 597, 626-630.	1.4	9
53	ATP-binding proteins in acetylcholine receptor-enriched membranes. FEBS Letters, 1979, 108, 37-39.	1.3	13
54	Photoaffinity derivatives of Î±-Bungarotoxin and Î±-Naja naja siamensis toxin. FEBS Letters, 1979, 103, 27-32.	1.3	35

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55	Acetylcholine receptor binding properties and ion permeability response after covalent attachment of the local anaesthetic quinacrine. Biochimica Et Biophysica Acta - General Subjects, 1979, 587, 42-48.	1.1	11
56	The Acetylcholine Receptor as Part of a Protein Complex in Receptor-Enriched Membrane Fragments from Torpedo californica Electric Tissue. FEBS Journal, 1978, 83, 335-340.	0.2	76
57	Membranes Rich in Acetylcholine Receptor: Characterization and Reconstitution to Excitable Membranes from Exogenous Lipids. FEBS Journal, 1978, 85, 55-63.	0.2	130
58	Biochemical investigations of ionic channels in excitable membranes. Molecular and Cellular Biochemistry, 1977, 18, 151-172.	1.4	14
59	Acetylcholine receptor: -SH group reactivity as indicator of conformational changes and functional states. FEBS Letters, 1977, 75, 65-69.	1.3	85
60	Acetylcholine receptor enriched membranes: Acetylcholine binding and excitability after reduction in vitro. FEBS Letters, 1977, 81, 39-42.	1.3	58
61	Investigation of the Symmetry of Oligomeric Enzymes with Bifunctional Reagents. FEBS Journal, 1975, 59, 79-87.	0.2	73
62	The Pyruvate Dehydrogenase Multienzyme Complex. Angewandte Chemie International Edition in English, 1975, 14, 591-601.	4.4	37
63	Regulation of the Mammalian Pyruvate Dehydrogenase Multienzyme Complex by Mg2+ and the Adenine Nucleotide Pool. FEBS Journal, 1974, 46, 499-505.	0.2	33
64	Investigation of theNaja naja siamensistoxin binding site of the cholinergic receptor protein fromTorpedoelectric tissue. FEBS Letters, 1974, 47, 204-208.	1.3	18
65	Influence of phenylpyruvate on the interconversion of pyruvate dehydrogenase complex from mammalian brain and kidney. FEBS Letters, 1974, 43, 116-119.	1.3	8
66	Investigation of the quaternary structure of beef liver glutamate dehydrogenase with bifunctional reagents. Biochemical and Biophysical Research Communications, 1974, 57, 1080-1088.	1.0	32
67	Molecular weight and quaternary structure of the cholinergic receptor protein extracted by detergents from Electrophorus electricus electric tissue. FEBS Letters, 1973, 38, 11-15.	1.3	91
68	Î±-Keto acid dehydrogenase complexes. Archives of Biochemistry and Biophysics, 1972, 148, 327-342.	1.4	301
69	Î±-Keto acid dehydrogenase complexes. Archives of Biochemistry and Biophysics, 1972, 151, 328-340.	1.4	255