

W Almers

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68
papers

10,448
citations

49
h-index

68
g-index

68
ext. papers

10,812
ext. citations

13.6
avg, IF

5.82
L-index

#	Paper	IF	Citations
68	Non-selective conductance in calcium channels of frog muscle: calcium selectivity in a single-file pore. <i>Journal of Physiology</i> , 1984 , 353, 585-608	3.9	520
67	The exocytotic event in chromaffin cells revealed by patch amperometry. <i>Nature</i> , 1997 , 389, 509-12	50.4	481
66	Cloning, expression, and gene structure of a G protein-coupled glutamate receptor from rat brain. <i>Science</i> , 1991 , 252, 1318-21	33.3	472
65	Transport, docking and exocytosis of single secretory granules in live chromaffin cells. <i>Nature</i> , 1997 , 388, 474-8	50.4	410
64	Currents through the fusion pore that forms during exocytosis of a secretory vesicle. <i>Nature</i> , 1987 , 328, 814-7	50.4	394
63	Transport, capture and exocytosis of single synaptic vesicles at active zones. <i>Nature</i> , 2000 , 406, 849-54	50.4	373
62	A real-time view of life within 100 nm of the plasma membrane. <i>Nature Reviews Molecular Cell Biology</i> , 2001 , 2, 268-75	48.7	318
61	Docked granules, the exocytic burst, and the need for ATP hydrolysis in endocrine cells. <i>Neuron</i> , 1995 , 15, 1085-96	13.9	311
60	The Ca signal from fura-2 loaded mast cells depends strongly on the method of dye-loading. <i>FEBS Letters</i> , 1985 , 192, 13-8	3.8	306
59	Secretory granules are recaptured largely intact after stimulated exocytosis in cultured endocrine cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 2070-5	11.5	298
58	Endocytic vesicles move at the tips of actin tails in cultured mast cells. <i>Nature Cell Biology</i> , 1999 , 1, 72-4	23.4	278
57	A non-selective cation conductance in frog muscle membrane blocked by micromolar external calcium ions. <i>Journal of Physiology</i> , 1984 , 353, 565-83	3.9	260
56	Exocytosis. <i>Annual Review of Physiology</i> , 1990 , 52, 607-24	23.1	256
55	Properties of the fusion pore that forms during exocytosis of a mast cell secretory vesicle. <i>Neuron</i> , 1990 , 4, 643-54	13.9	244
54	Dihydropyridine receptors in muscle are voltage-dependent but most are not functional calcium channels. <i>Nature</i> , 1985 , 314, 747-51	50.4	241
53	Final steps in exocytosis observed in a cell with giant secretory granules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987 , 84, 1945-9	11.5	232
52	A low affinity Ca ²⁺ receptor controls the final steps in peptide secretion from pituitary melanotrophs. <i>Neuron</i> , 1993 , 11, 93-104	13.9	228

51	Calcium depletion in frog muscle tubules: the decline of calcium current under maintained depolarization. <i>Journal of Physiology</i> , 1981 , 312, 177-207	3.9	221
50	Structure and function of fusion pores in exocytosis and ectoplasmic membrane fusion. <i>Current Opinion in Cell Biology</i> , 1995 , 7, 509-17	9	215
49	Rhythmic exocytosis stimulated by GnRH-induced calcium oscillations in rat gonadotropes. <i>Science</i> , 1993 , 260, 82-4	33.3	215
48	Ca ²⁺ -triggered peptide secretion in single cells imaged with green fluorescent protein and evanescent-wave microscopy. <i>Neuron</i> , 1997 , 18, 857-63	13.9	213
47	Cytosolic Ca ²⁺ , exocytosis, and endocytosis in single melanotrophs of the rat pituitary. <i>Neuron</i> , 1990 , 5, 723-33	13.9	205
46	The Ca channel in skeletal muscle is a large pore. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985 , 82, 7149-53	11.5	199
45	Tracking single secretory granules in live chromaffin cells by evanescent-field fluorescence microscopy. <i>Biophysical Journal</i> , 1999 , 76, 2262-71	2.9	194
44	Role of actin cortex in the subplasmalemmal transport of secretory granules in PC-12 cells. <i>Biophysical Journal</i> , 2000 , 78, 2863-77	2.9	187
43	Local Ca ²⁺ release from internal stores controls exocytosis in pituitary gonadotrophs. <i>Neuron</i> , 1997 , 18, 121-32	13.9	172
42	Microtubule-dependent transport of secretory vesicles visualized in real time with a GFP-tagged secretory protein. <i>Journal of Cell Science</i> , 1997 , 110, 1453-1463	5.3	172
41	Transmitter release from synapses: does a preassembled fusion pore initiate exocytosis?. <i>Neuron</i> , 1990 , 4, 813-8	13.9	168
40	A triggered mechanism retrieves membrane in seconds after Ca(2+)-stimulated exocytosis in single pituitary cells. <i>Journal of Cell Biology</i> , 1994 , 124, 667-75	7.3	164
39	Slow calcium and potassium currents across frog muscle membrane: measurements with a vaseline-gap technique. <i>Journal of Physiology</i> , 1981 , 312, 159-76	3.9	159
38	Fast steps in exocytosis and endocytosis studied by capacitance measurements in endocrine cells. <i>Current Opinion in Neurobiology</i> , 1996 , 6, 350-7	7.6	144
37	Patch clamp studies of single cell-fusion events mediated by a viral fusion protein. <i>Nature</i> , 1989 , 342, 555-8	50.4	144
36	Fusion of constitutive membrane traffic with the cell surface observed by evanescent wave microscopy. <i>Journal of Cell Biology</i> , 2000 , 149, 33-40	7.3	137
35	Membrane flux through the pore formed by a fusogenic viral envelope protein during cell fusion. <i>Journal of Cell Biology</i> , 1993 , 121, 543-52	7.3	130
34	Agonists that suppress M-current elicit phosphoinositide turnover and Ca ²⁺ transients, but these events do not explain M-current suppression. <i>Neuron</i> , 1988 , 1, 477-84	13.9	130

33	Lateral distribution of sodium and potassium channels in frog skeletal muscle: measurements with a patch-clamp technique. <i>Journal of Physiology</i> , 1983 , 336, 261-84	3.9	127
32	The decline of potassium permeability during extreme hyperpolarization in frog skeletal muscle. <i>Journal of Physiology</i> , 1972 , 225, 57-83	3.9	120
31	Distribution of transport proteins over animal cell membranes. <i>Journal of Membrane Biology</i> , 1984 , 77, 169-86	2.3	110
30	The first milliseconds of the pore formed by a fusogenic viral envelope protein during membrane fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 3623-7	11.5	102
29	Block of sodium conductance and gating current in squid giant axons poisoned with quaternary strychnine. <i>Biophysical Journal</i> , 1979 , 27, 57-73	2.9	102
28	Bilayers merge even when exocytosis is transient. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 8780-5	11.5	101
27	Annexin 2 has an essential role in actin-based macropinocytic rocketing. <i>Current Biology</i> , 2001 , 11, 1136-43	4.3	91
26	Millisecond studies of secretion in single rat pituitary cells stimulated by flash photolysis of caged Ca ²⁺ . <i>EMBO Journal</i> , 1993 , 12, 303-306	13	89
25	Syntaxin clusters assemble reversibly at sites of secretory granules in live cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 20804-9	11.5	87
24	Ethane-freezing/methanol-fixation of cell monolayers: a procedure for improved preservation of structure and antigenicity for light and electron microscopies. <i>Journal of Structural Biology</i> , 1998 , 121, 326-42	3.4	81
23	Tetrodotoxin binding to normal depolarized frog muscle and the conductance of a single sodium channel. <i>Journal of Physiology</i> , 1975 , 247, 483-509	3.9	81
22	Rhythmic opening and closing of vesicles during constitutive exo- and endocytosis in chromaffin cells. <i>EMBO Journal</i> , 2000 , 19, 84-93	13	65
21	Gradual and stepwise changes in the membrane capacitance of rat peritoneal mast cells. <i>Journal of Physiology</i> , 1987 , 386, 205-17	3.9	59
20	Ca ²⁺ triggers massive exocytosis in Chinese hamster ovary cells. <i>EMBO Journal</i> , 1996 , 15, 3787-91	13	57
19	Slow calcium and potassium currents in frog skeletal muscle: their relationship and pharmacologic properties. <i>Pflugers Archiv European Journal of Physiology</i> , 1985 , 405, 91-101	4.6	43
18	Repulsion between tetraethylammonium ions in cloned voltage-gated potassium channels. <i>Neuron</i> , 1992 , 8, 975-82	13.9	39
17	Release of the styryl dyes from single synaptic vesicles in hippocampal neurons. <i>Journal of Neuroscience</i> , 2008 , 28, 1894-903	6.6	38
16	Millisecond studies of secretion in single rat pituitary cells stimulated by flash photolysis of caged Ca ²⁺ . <i>EMBO Journal</i> , 1993 , 12, 303-6	13	37

15	Rapid structural change in synaptosomal-associated protein 25 (SNAP25) precedes the fusion of single vesicles with the plasma membrane in live chromaffin cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 14249-54	11.5	33
14	Fast calcium transients in rat peritoneal mast cells are not sufficient to trigger exocytosis. <i>EMBO Journal</i> , 1986 , 5, 51-3	13	33
13	Potassium concentration changes in the transverse tubules of vertebrate skeletal muscle. <i>Federation Proceedings</i> , 1980 , 39, 1527-32		31
12	Millisecond studies of single membrane fusion events. <i>Annals of the New York Academy of Sciences</i> , 1991 , 635, 318-27	6.5	30
11	Mobility of voltage-dependent ion channels and lectin receptors in the sarcolemma of frog skeletal muscle. <i>Journal of General Physiology</i> , 1986 , 87, 955-83	3.4	26
10	Millisecond studies of calcium-dependent exocytosis in pituitary melanotrophs: comparison of the photolabile calcium chelators nitrophenyl-EGTA and DM-nitrophen. <i>Cell Calcium</i> , 1996 , 19, 185-92	4	25
9	Two independently regulated secretory pathways in mast cells. <i>Journal of Physiology (Paris)</i> , 1993 , 87, 203-8		17
8	Exocytosis and its control at the synapse. <i>Current Opinion in Neurobiology</i> , 1992 , 2, 308-11	7.6	14
7	Patch pipettes used for loading small cells with fluorescent indicator dyes. <i>Advances in Experimental Medicine and Biology</i> , 1986 , 211, 1-5	3.6	9
6	Calcium Channels in Vertebrate Skeletal Muscle 1985 , 321-330		7
5	Different sites of polyadenylation in mRNAs encoding a rat metabotropic glutamate receptor. <i>DNA Sequence</i> , 1993 , 4, 53-7		2
4	Early Steps in the Exocytosis of Secretory Vesicles in Mast Cells 1988 , 197-208		1
3	Dual Wavelength Evanescent Field Microscopy of Exocytosis and Endocytosis in Single Cells. <i>Microscopy and Microanalysis</i> , 2001 , 7, 614-615	0.5	
2	The mechanism of exocytosis during secretion in mast cells. <i>Society of General Physiologists Series</i> , 1989 , 44, 269-82		
1	CA ⁺⁺ CHANNELS IN MUSCLE MEMBRANE: THE DECLINE OF CALCIUM CURRENT UNDER MAINTAINED DEPOLARIZATION 1981 , 313-319		