W Almers

List of Publications by Year
in descending order

68 papers	11,474 citations	38742 50 h-index	114465 63 g-index
68 all docs	68 docs citations	68 times ranked	5029 citing authors

#	Article	IF	Citations
1	Rapid structural change in synaptosomal-associated protein 25 (SNAP25) precedes the fusion of single vesicles with the plasma membrane in live chromaffin cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14249-14254.	7.1	37
2	Syntaxin clusters assemble reversibly at sites of secretory granules in live cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20804-20809.	7.1	108
3	Release of the Styryl Dyes from Single Synaptic Vesicles in Hippocampal Neurons. Journal of Neuroscience, 2008, 28, 1894-1903.	3.6	40
4	Bilayers merge even when exocytosis is transient. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8780-8785.	7.1	110
5	Secretory granules are recaptured largely intact after stimulated exocytosis in cultured endocrine cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2070-2075.	7.1	351
6	Dual Wavelength Evanescent Field Microscopy of Exocytosis and Endocytosis in Single Cells. Microscopy and Microanalysis, 2001, 7, 614-615.	0.4	0
7	A real-time view of life within 100 nm of the plasma membrane. Nature Reviews Molecular Cell Biology, 2001, 2, 268-275.	37.0	339
8	Annexin 2 has an essential role in actin-based macropinocytic rocketing. Current Biology, 2001, 11, 1136-1141.	3.9	94
9	Transport, capture and exocytosis of single synaptic vesicles at active zones. Nature, 2000, 406, 849-854.	27.8	418
10	Rhythmic opening and closing of vesicles during constitutive exo- and endocytosis in chromaffin cells. EMBO Journal, 2000, 19, 84-93.	7.8	75
11	Fusion of Constitutive Membrane Traffic with the Cell Surface Observed by Evanescent Wave Microscopy. Journal of Cell Biology, 2000, 149, 33-40.	5.2	151
12	Role of Actin Cortex in the Subplasmalemmal Transport of Secretory Granules in PC-12 Cells. Biophysical Journal, 2000, 78, 2863-2877.	0.5	213
13	Endocytic vesicles move at the tips of actin tails in cultured mast cells. Nature Cell Biology, 1999, 1, 72-74.	10.3	294
14	Tracking Single Secretory Granules in Live Chromaffin Cells by Evanescent-Field Fluorescence Microscopy. Biophysical Journal, 1999, 76, 2262-2271.	0.5	222
15	Ethane-Freezing/Methanol-Fixation of Cell Monolayers: A Procedure for Improved Preservation of Structure and Antigenicity for Light and Electron Microscopies. Journal of Structural Biology, 1998, 121, 326-342.	2.8	94
16	Ca2+-Triggered Peptide Secretion in Single Cells Imaged with Green Fluorescent Protein and Evanescent-Wave Microscopy. Neuron, 1997, 18, 857-863.	8.1	227
17	Local Ca2+ Release from Internal Stores Controls Exocytosis in Pituitary Gonadotrophs. Neuron, 1997, 18, 121-132.	8.1	181
18	The exocytotic event in chromaffin cells revealed by patch amperometry. Nature, 1997, 389, 509-512.	27.8	536

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19	Transport, docking and exocytosis of single secretory granules in live chromaffin cells. Nature, 1997, 388, 474-478.	27.8	437
20	Microtubule-dependent transport of secretory vesicles visualized in real time with a GFP-tagged secretory protein. Journal of Cell Science, 1997, 110, 1453-1463.	2.0	188
21	Fast steps in exocytosis and endocytosis studied by capacitance measurements in endocrine cells. Current Opinion in Neurobiology, 1996, 6, 350-357.	4.2	157
22	Millisecond studies of calcium-dependent exocytosis in pituitary melanotrophs: comparison of the photolabile calcium chelators nitrophenyl-EGTA and DM-nitrophen. Cell Calcium, 1996, 19, 185-192.	2.4	25
23	Ca2+ triggers massive exocytosis in Chinese hamster ovary cells. EMBO Journal, 1996, 15, 3787-91.	7.8	62
24	Docked granules, the exocytic burst, and the need for ATP hydrolysis in endocrine cells. Neuron, 1995, 15, 1085-1096.	8.1	331
25	Structure and function of fusion pores in exocytosis and ectoplasmic membrane fusion. Current Opinion in Cell Biology, 1995, 7, 509-517.	5.4	244
26	A triggered mechanism retrieves membrane in seconds after Ca(2+)-stimulated exocytosis in single pituitary cells. Journal of Cell Biology, 1994, 124, 667-675.	5.2	172
27	Two independently regulated secretory pathways in mast cells. Journal of Physiology (Paris), 1993, 87, 203-208.	2.1	18
28	Different sites of polyadenylation in mRNAs encoding a rat metabotropic glutamate receptor. DNA Sequence, 1993, 4, 53-57.	0.7	2
29	A low affinity Ca2+ receptor controls the final steps in peptide secretion from pituitary melanotrophs. Neuron, 1993, 11, 93-104.	8.1	245
30	Rhythmic exocytosis stimulated by GnRH-induced calcium oscillations in rat gonadotropes. Science, 1993, 260, 82-84.	12.6	233
31	Membrane flux through the pore formed by a fusogenic viral envelope protein during cell fusion.. Journal of Cell Biology, 1993, 121, 543-552.	5.2	138
32	Millisecond studies of secretion in single rat pituitary cells stimulated by flash photolysis of caged Ca2+.. EMBO Journal, 1993, 12, 303-306.	7.8	116
33	Millisecond studies of secretion in single rat pituitary cells stimulated by flash photolysis of caged Ca2+. EMBO Journal, 1993, 12, 303-6.	7.8	38
34	Repulsion between tetraethylammonium ions in cloned voltage-gated potassium channels. Neuron, 1992, 8, 975-982.	8.1	39
35	Exocytosis and its control at the synapse. Current Opinion in Neurobiology, 1992, 2, 308-311.	4.2	16
36	Millisecond Studies of Single Membrane Fusion Events. Annals of the New York Academy of Sciences, 1991, 635, 318-327.	3.8	33

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37	Cloning, expression, and gene structure of a G protein-coupled glutamate receptor from rat brain. Science, 1991, 252, 1318-1321.	12.6	512
38	The first milliseconds of the pore formed by a fusogenic viral envelope protein during membrane fusion.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 3623-3627.	7.1	113
39	Exocytosis. Annual Review of Physiology, 1990, 52, 607-624.	13.1	272
40	Cytosolic Ca2+, exocytosis, and endocytosis in single melanotrophs of the rat pituitary. Neuron, 1990, 5, 723-733.	8.1	212
41	Properties of the fusion pore that forms during exocytosis of a mast cell secretory vesicle. Neuron, 1990, 4, 643-654.	8.1	257
42	Transmitter release from synapses: Does a preassembled fusion pore initiate exocytosis?. Neuron, 1990, 4, 813-818.	8.1	188
43	Patch clamp studies of single cell-fusion events mediated by a viral fusion protein. Nature, 1989, 342, 555-558.	27.8	153
44	The mechanism of exocytosis during secretion in mast cells. Society of General Physiologists Series, 1989, 44, 269-82.	0.6	0
45	Agonists that suppress M-current elicit phosphoinositide turnover and Ca2+ transients, but these events do not explain M-current suppression. Neuron, 1988, 1, 477-484.	8.1	134
46	Early Steps in the Exocytosis of Secretory Vesicles in Mast Cells. , 1988, , 197-208.		2
47	Gradual and stepwise changes in the membrane capacitance of rat peritoneal mast cells.. Journal of Physiology, 1987, 386, 205-217.	2.9	68
48	Final steps in exocytosis observed in a cell with giant secretory granules.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 1945-1949.	7.1	260
49	Currents through the fusion pore that forms during exocytosis of a secretory vesicle. Nature, 1987, 328, 814-817.	27.8	426
50	Mobility of voltage-dependent ion channels and lectin receptors in the sarcolemma of frog skeletal muscle.. Journal of General Physiology, 1986, 87, 955-983.	1.9	28
51	Patch Pipettes Used for Loading Small Cells with Fluorescent Indicator Dyes. Advances in Experimental Medicine and Biology, 1986, 211, 1-5.	1.6	9
52	Fast calcium transients in rat peritoneal mast cells are not sufficient to trigger exocytosis. EMBO Journal, 1986, 5, 51-3.	7.8	37
53	The Ca channel in skeletal muscle is a large pore.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 7149-7153.	7.1	214
54	Slow calcium and potassium currents in frog skeletal muscle: their relationship and pharmacologic properties. Pflugers Archiv European Journal of Physiology, 1985, 405, 91-101.	2.8	52

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55	Dihydropyridine receptors in muscle are voltage-dependent but most are not functional calcium channels. Nature, 1985, 314, 747-751.	27.8	265
56	The Ca signal from fura-2 loaded mast cells depends strongly on the method of dye-loading. FEBS Letters, 1985, 192, 13-18.	2.8	339
57	Calcium Channels in Vertebrate Skeletal Muscle. , 1985, , 321-330.		11
58	Distribution of transport proteins over animal cell membranes. Journal of Membrane Biology, 1984, 77, 169-186.	2.1	126
59	Nonâ€selective conductance in calcium channels of frog muscle: calcium selectivity in a singleâ€file pore.. Journal of Physiology, 1984, 353, 585-608.	2.9	599
60	A nonâ€selective cation conductance in frog muscle membrane blocked by micromolar external calcium ions.. Journal of Physiology, 1984, 353, 565-583.	2.9	283
61	Lateral distribution of sodium and potassium channels in frog skeletal muscle: measurements with a patchâ€clamp technique.. Journal of Physiology, 1983, 336, 261-284.	2.9	152
62	Slow calcium and potassium currents across frog muscle membrane: measurements with a vaselineâ€gap technique.. Journal of Physiology, 1981, 312, 159-176.	2.9	171
63	Calcium depletion in frog muscle tubules: the decline of calcium current under maintained depolarization.. Journal of Physiology, 1981, 312, 177-207.	2.9	253
64	CA++ CHANNELS IN MUSCLE MEMBRANE: THE DECLINE OF CALCIUM CURRENT UNDER MAINTAINED DEPOLARIZATION. , 1981, , 313-319.		0
65	Potassium concentration changes in the transverse tubules of vertebrate skeletal muscle. Federation Proceedings, 1980, 39, 1527-32.	1.3	31
66	Block of sodium conductance and gating current in squid giant axons poisoned with quaternary strychnine. Biophysical Journal, 1979, 27, 57-73.	0.5	106
67	Tetrodotoxin binding to normal depolarized frog muscle and the conductance of a single sodium channel.. Journal of Physiology, 1975, 247, 483-509.	2.9	92
68	The decline of potassium permeability during extreme hyperpolarization in frog skeletal muscle. Journal of Physiology, 1972, 225, 57-83.	2.9	125