

W Almers

List of Publications by Year in descending order

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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	Nonselective conductance in calcium channels of frog muscle: calcium selectivity in a single pore.. <i>Journal of Physiology</i> , 1984, 353, 585-608.	2.9	599
2	The exocytotic event in chromaffin cells revealed by patch amperometry. <i>Nature</i> , 1997, 389, 509-512.	27.8	536
3	Cloning, expression, and gene structure of a G protein-coupled glutamate receptor from rat brain. <i>Science</i> , 1991, 252, 1318-1321.	12.6	512
4	Transport, docking and exocytosis of single secretory granules in live chromaffin cells. <i>Nature</i> , 1997, 388, 474-478.	27.8	437
5	Currents through the fusion pore that forms during exocytosis of a secretory vesicle. <i>Nature</i> , 1987, 328, 814-817.	27.8	426
6	Transport, capture and exocytosis of single synaptic vesicles at active zones. <i>Nature</i> , 2000, 406, 849-854.	27.8	418
7	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, 2070-2075.	7.1	351
8	The Ca signal from fura-2 loaded mast cells depends strongly on the method of dye-loading. <i>FEBS Letters</i> , 1985, 192, 13-18.	2.8	339
9	A real-time view of life within 100 nm of the plasma membrane. <i>Nature Reviews Molecular Cell Biology</i> , 2001, 2, 268-275.	37.0	339
10	Docked granules, the exocytic burst, and the need for ATP hydrolysis in endocrine cells. <i>Neuron</i> , 1995, 15, 1085-1096.	8.1	331
11	Endocytic vesicles move at the tips of actin tails in cultured mast cells. <i>Nature Cell Biology</i> , 1999, 1, 72-74.	10.3	294
12	A nonselective cation conductance in frog muscle membrane blocked by micromolar external calcium ions.. <i>Journal of Physiology</i> , 1984, 353, 565-583.	2.9	283
13	Exocytosis. <i>Annual Review of Physiology</i> , 1990, 52, 607-624.	13.1	272
14	Dihydropyridine receptors in muscle are voltage-dependent but most are not functional calcium channels. <i>Nature</i> , 1985, 314, 747-751.	27.8	265
15	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, 1945-1949.	7.1	260
16	Properties of the fusion pore that forms during exocytosis of a mast cell secretory vesicle. <i>Neuron</i> , 1990, 4, 643-654.	8.1	257
17	Calcium depletion in frog muscle tubules: the decline of calcium current under maintained depolarization.. <i>Journal of Physiology</i> , 1981, 312, 177-207.	2.9	253
18	A low affinity Ca ²⁺ receptor controls the final steps in peptide secretion from pituitary melanotrophs. <i>Neuron</i> , 1993, 11, 93-104.	8.1	245

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19	Structure and function of fusion pores in exocytosis and ectoplasmic membrane fusion. <i>Current Opinion in Cell Biology</i> , 1995, 7, 509-517.	5.4	244
20	Rhythmic exocytosis stimulated by GnRH-induced calcium oscillations in rat gonadotropes. <i>Science</i> , 1993, 260, 82-84.	12.6	233
21	Ca ²⁺ -Triggered Peptide Secretion in Single Cells Imaged with Green Fluorescent Protein and Evanescent-Wave Microscopy. <i>Neuron</i> , 1997, 18, 857-863.	8.1	227
22	Tracking Single Secretory Granules in Live Chromaffin Cells by Evanescent-Field Fluorescence Microscopy. <i>Biophysical Journal</i> , 1999, 76, 2262-2271.	0.5	222
23	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, 7149-7153.	7.1	214
24	Role of Actin Cortex in the Subplasmalemmal Transport of Secretory Granules in PC-12 Cells. <i>Biophysical Journal</i> , 2000, 78, 2863-2877.	0.5	213
25	Cytosolic Ca ²⁺ , exocytosis, and endocytosis in single melanotrophs of the rat pituitary. <i>Neuron</i> , 1990, 5, 723-733.	8.1	212
26	Transmitter release from synapses: Does a preassembled fusion pore initiate exocytosis?. <i>Neuron</i> , 1990, 4, 813-818.	8.1	188
27	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.	2.0	188
28	Local Ca ²⁺ Release from Internal Stores Controls Exocytosis in Pituitary Gonadotrophs. <i>Neuron</i> , 1997, 18, 121-132.	8.1	181
29	A triggered mechanism retrieves membrane in seconds after Ca(2+)-stimulated exocytosis in single pituitary cells. <i>Journal of Cell Biology</i> , 1994, 124, 667-675.	5.2	172
30	Slow calcium and potassium currents across frog muscle membrane: measurements with a vaseline-gap technique.. <i>Journal of Physiology</i> , 1981, 312, 159-176.	2.9	171
31	Fast steps in exocytosis and endocytosis studied by capacitance measurements in endocrine cells. <i>Current Opinion in Neurobiology</i> , 1996, 6, 350-357.	4.2	157
32	Patch clamp studies of single cell-fusion events mediated by a viral fusion protein. <i>Nature</i> , 1989, 342, 555-558.	27.8	153
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, 261-284.	2.9	152
34	Fusion of Constitutive Membrane Traffic with the Cell Surface Observed by Evanescent Wave Microscopy. <i>Journal of Cell Biology</i> , 2000, 149, 33-40.	5.2	151
35	Membrane flux through the pore formed by a fusogenic viral envelope protein during cell fusion.. <i>Journal of Cell Biology</i> , 1993, 121, 543-552.	5.2	138
36	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, 477-484.	8.1	134

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37	Distribution of transport proteins over animal cell membranes. <i>Journal of Membrane Biology</i> , 1984, 77, 169-186.	2.1	126
38	The decline of potassium permeability during extreme hyperpolarization in frog skeletal muscle. <i>Journal of Physiology</i> , 1972, 225, 57-83.	2.9	125
39	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.	7.8	116
40	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, 3623-3627.	7.1	113
41	Bilayers merge even when exocytosis is transient. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 8780-8785.	7.1	110
42	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, 20804-20809.	7.1	108
43	Block of sodium conductance and gating current in squid giant axons poisoned with quaternary strychnine. <i>Biophysical Journal</i> , 1979, 27, 57-73.	0.5	106
44	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, 326-342.	2.8	94
45	Annexin 2 has an essential role in actin-based macropinocytic rocketing. <i>Current Biology</i> , 2001, 11, 1136-1141.	3.9	94
46	Tetrodotoxin binding to normal depolarized frog muscle and the conductance of a single sodium channel.. <i>Journal of Physiology</i> , 1975, 247, 483-509.	2.9	92
47	Rhythmic opening and closing of vesicles during constitutive exo- and endocytosis in chromaffin cells. <i>EMBO Journal</i> , 2000, 19, 84-93.	7.8	75
48	Gradual and stepwise changes in the membrane capacitance of rat peritoneal mast cells.. <i>Journal of Physiology</i> , 1987, 386, 205-217.	2.9	68
49	Ca ²⁺ triggers massive exocytosis in Chinese hamster ovary cells. <i>EMBO Journal</i> , 1996, 15, 3787-91.	7.8	62
50	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.	2.8	52
51	Release of the Styryl Dyes from Single Synaptic Vesicles in Hippocampal Neurons. <i>Journal of Neuroscience</i> , 2008, 28, 1894-1903.	3.6	40
52	Repulsion between tetraethylammonium ions in cloned voltage-gated potassium channels. <i>Neuron</i> , 1992, 8, 975-982.	8.1	39
53	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.	7.8	38
54	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, 14249-14254.	7.1	37

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55	Fast calcium transients in rat peritoneal mast cells are not sufficient to trigger exocytosis. EMBO Journal, 1986, 5, 51-3.	7.8	37
56	Millisecond Studies of Single Membrane Fusion Events. Annals of the New York Academy of Sciences, 1991, 635, 318-327.	3.8	33
57	Potassium concentration changes in the transverse tubules of vertebrate skeletal muscle. Federation Proceedings, 1980, 39, 1527-32.	1.3	31
58	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
59	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
60	Two independently regulated secretory pathways in mast cells. Journal of Physiology (Paris), 1993, 87, 203-208.	2.1	18
61	Exocytosis and its control at the synapse. Current Opinion in Neurobiology, 1992, 2, 308-311.	4.2	16
62	Calcium Channels in Vertebrate Skeletal Muscle. , 1985, , 321-330.		11
63	Patch Pipettes Used for Loading Small Cells with Fluorescent Indicator Dyes. Advances in Experimental Medicine and Biology, 1986, 211, 1-5.	1.6	9
64	Different sites of polyadenylation in mRNAs encoding a rat metabotropic glutamate receptor. DNA Sequence, 1993, 4, 53-57.	0.7	2
65	Early Steps in the Exocytosis of Secretory Vesicles in Mast Cells. , 1988, , 197-208.		2
66	Dual Wavelength Evanescent Field Microscopy of Exocytosis and Endocytosis in Single Cells. Microscopy and Microanalysis, 2001, 7, 614-615.	0.4	0
67	CA ⁺⁺ CHANNELS IN MUSCLE MEMBRANE: THE DECLINE OF CALCIUM CURRENT UNDER MAINTAINED DEPOLARIZATION. , 1981, , 313-319.		0
68	The mechanism of exocytosis during secretion in mast cells. Society of General Physiologists Series, 1989, 44, 269-82.	0.6	0