

# W Almers

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , <b>2013</b> , 110, 14249-54	11.5	33
67	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> , <b>2010</b> , 107, 20804-9	11.5	87
66	Release of the styryl dyes from single synaptic vesicles in hippocampal neurons. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 1894-903	6.6	38
65	Bilayers merge even when exocytosis is transient. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 8780-5	11.5	101
64	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> , <b>2003</b> , 100, 2070-5	11.5	298
63	A real-time view of life within 100 nm of the plasma membrane. <i>Nature Reviews Molecular Cell Biology</i> , <b>2001</b> , 2, 268-75	48.7	318
62	Annexin 2 has an essential role in actin-based macropinocytic rocketing. <i>Current Biology</i> , <b>2001</b> , 11, 1136-43	6.3	91
61	Dual Wavelength Evanescent Field Microscopy of Exocytosis and Endocytosis in Single Cells. <i>Microscopy and Microanalysis</i> , <b>2001</b> , 7, 614-615	0.5	
60	Transport, capture and exocytosis of single synaptic vesicles at active zones. <i>Nature</i> , <b>2000</b> , 406, 849-54	50.4	373
59	Rhythmic opening and closing of vesicles during constitutive exo- and endocytosis in chromaffin cells. <i>EMBO Journal</i> , <b>2000</b> , 19, 84-93	13	65
58	Fusion of constitutive membrane traffic with the cell surface observed by evanescent wave microscopy. <i>Journal of Cell Biology</i> , <b>2000</b> , 149, 33-40	7.3	137
57	Role of actin cortex in the subplasmalemmal transport of secretory granules in PC-12 cells. <i>Biophysical Journal</i> , <b>2000</b> , 78, 2863-77	2.9	187
56	Endocytic vesicles move at the tips of actin tails in cultured mast cells. <i>Nature Cell Biology</i> , <b>1999</b> , 1, 72-4	23.4	278
55	Tracking single secretory granules in live chromaffin cells by evanescent-field fluorescence microscopy. <i>Biophysical Journal</i> , <b>1999</b> , 76, 2262-71	2.9	194
54	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> , <b>1998</b> , 121, 326-42	3.4	81
53	Ca <sup>2+</sup> -triggered peptide secretion in single cells imaged with green fluorescent protein and evanescent-wave microscopy. <i>Neuron</i> , <b>1997</b> , 18, 857-63	13.9	213
52	Local Ca <sup>2+</sup> release from internal stores controls exocytosis in pituitary gonadotrophs. <i>Neuron</i> , <b>1997</b> , 18, 121-32	13.9	172

51	The exocytotic event in chromaffin cells revealed by patch amperometry. <i>Nature</i> , <b>1997</b> , 389, 509-12	50.4	481
50	Transport, docking and exocytosis of single secretory granules in live chromaffin cells. <i>Nature</i> , <b>1997</b> , 388, 474-8	50.4	410
49	Microtubule-dependent transport of secretory vesicles visualized in real time with a GFP-tagged secretory protein. <i>Journal of Cell Science</i> , <b>1997</b> , 110, 1453-1463	5.3	172
48	Fast steps in exocytosis and endocytosis studied by capacitance measurements in endocrine cells. <i>Current Opinion in Neurobiology</i> , <b>1996</b> , 6, 350-7	7.6	144
47	Millisecond studies of calcium-dependent exocytosis in pituitary melanotrophs: comparison of the photolabile calcium chelators nitrophenyl-EGTA and DM-nitrophen. <i>Cell Calcium</i> , <b>1996</b> , 19, 185-92	4	25
46	Ca <sup>2+</sup> triggers massive exocytosis in Chinese hamster ovary cells. <i>EMBO Journal</i> , <b>1996</b> , 15, 3787-91	13	57
45	Docked granules, the exocytic burst, and the need for ATP hydrolysis in endocrine cells. <i>Neuron</i> , <b>1995</b> , 15, 1085-96	13.9	311
44	Structure and function of fusion pores in exocytosis and ectoplasmic membrane fusion. <i>Current Opinion in Cell Biology</i> , <b>1995</b> , 7, 509-17	9	215
43	A triggered mechanism retrieves membrane in seconds after Ca <sup>2+</sup> -stimulated exocytosis in single pituitary cells. <i>Journal of Cell Biology</i> , <b>1994</b> , 124, 667-75	7.3	164
42	Different sites of polyadenylation in mRNAs encoding a rat metabotropic glutamate receptor. <i>DNA Sequence</i> , <b>1993</b> , 4, 53-7		2
41	A low affinity Ca <sup>2+</sup> receptor controls the final steps in peptide secretion from pituitary melanotrophs. <i>Neuron</i> , <b>1993</b> , 11, 93-104	13.9	228
40	Rhythmic exocytosis stimulated by GnRH-induced calcium oscillations in rat gonadotropes. <i>Science</i> , <b>1993</b> , 260, 82-4	33.3	215
39	Membrane flux through the pore formed by a fusogenic viral envelope protein during cell fusion. <i>Journal of Cell Biology</i> , <b>1993</b> , 121, 543-52	7.3	130
38	Millisecond studies of secretion in single rat pituitary cells stimulated by flash photolysis of caged Ca <sup>2+</sup> .. <i>EMBO Journal</i> , <b>1993</b> , 12, 303-306	13	89
37	Two independently regulated secretory pathways in mast cells. <i>Journal of Physiology (Paris)</i> , <b>1993</b> , 87, 203-8		17
36	Millisecond studies of secretion in single rat pituitary cells stimulated by flash photolysis of caged Ca <sup>2+</sup> . <i>EMBO Journal</i> , <b>1993</b> , 12, 303-6	13	37
35	Repulsion between tetraethylammonium ions in cloned voltage-gated potassium channels. <i>Neuron</i> , <b>1992</b> , 8, 975-82	13.9	39
34	Exocytosis and its control at the synapse. <i>Current Opinion in Neurobiology</i> , <b>1992</b> , 2, 308-11	7.6	14

33	Cloning, expression, and gene structure of a G protein-coupled glutamate receptor from rat brain. <i>Science</i> , <b>1991</b> , 252, 1318-21	33.3	472
32	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> , <b>1991</b> , 88, 3623-7	11.5	102
31	Millisecond studies of single membrane fusion events. <i>Annals of the New York Academy of Sciences</i> , <b>1991</b> , 635, 318-27	6.5	30
30	Exocytosis. <i>Annual Review of Physiology</i> , <b>1990</b> , 52, 607-24	23.1	256
29	Cytosolic Ca <sup>2+</sup> , exocytosis, and endocytosis in single melanotrophs of the rat pituitary. <i>Neuron</i> , <b>1990</b> , 5, 723-33	13.9	205
28	Properties of the fusion pore that forms during exocytosis of a mast cell secretory vesicle. <i>Neuron</i> , <b>1990</b> , 4, 643-54	13.9	244
27	Transmitter release from synapses: does a preassembled fusion pore initiate exocytosis?. <i>Neuron</i> , <b>1990</b> , 4, 813-8	13.9	168
26	Patch clamp studies of single cell-fusion events mediated by a viral fusion protein. <i>Nature</i> , <b>1989</b> , 342, 555-8	50.4	144
25	The mechanism of exocytosis during secretion in mast cells. <i>Society of General Physiologists Series</i> , <b>1989</b> , 44, 269-82		
24	Agonists that suppress M-current elicit phosphoinositide turnover and Ca <sup>2+</sup> transients, but these events do not explain M-current suppression. <i>Neuron</i> , <b>1988</b> , 1, 477-84	13.9	130
23	Early Steps in the Exocytosis of Secretory Vesicles in Mast Cells <b>1988</b> , 197-208		1
22	Gradual and stepwise changes in the membrane capacitance of rat peritoneal mast cells. <i>Journal of Physiology</i> , <b>1987</b> , 386, 205-17	3.9	59
21	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> , <b>1987</b> , 84, 1945-9	11.5	232
20	Currents through the fusion pore that forms during exocytosis of a secretory vesicle. <i>Nature</i> , <b>1987</b> , 328, 814-7	50.4	394
19	Mobility of voltage-dependent ion channels and lectin receptors in the sarcolemma of frog skeletal muscle. <i>Journal of General Physiology</i> , <b>1986</b> , 87, 955-83	3.4	26
18	Fast calcium transients in rat peritoneal mast cells are not sufficient to trigger exocytosis. <i>EMBO Journal</i> , <b>1986</b> , 5, 51-3	13	33
17	Patch pipettes used for loading small cells with fluorescent indicator dyes. <i>Advances in Experimental Medicine and Biology</i> , <b>1986</b> , 211, 1-5	3.6	9
16	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> , <b>1985</b> , 82, 7149-53	11.5	199

15	Slow calcium and potassium currents in frog skeletal muscle: their relationship and pharmacologic properties. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1985</b> , 405, 91-101	4.6	43
14	Dihydropyridine receptors in muscle are voltage-dependent but most are not functional calcium channels. <i>Nature</i> , <b>1985</b> , 314, 747-51	50.4	241
13	The Ca signal from fura-2 loaded mast cells depends strongly on the method of dye-loading. <i>FEBS Letters</i> , <b>1985</b> , 192, 13-8	3.8	306
12	Calcium Channels in Vertebrate Skeletal Muscle <b>1985</b> , 321-330		7
11	Distribution of transport proteins over animal cell membranes. <i>Journal of Membrane Biology</i> , <b>1984</b> , 77, 169-86	2.3	110
10	Non-selective conductance in calcium channels of frog muscle: calcium selectivity in a single-file pore. <i>Journal of Physiology</i> , <b>1984</b> , 353, 585-608	3.9	520
9	A non-selective cation conductance in frog muscle membrane blocked by micromolar external calcium ions. <i>Journal of Physiology</i> , <b>1984</b> , 353, 565-83	3.9	260
8	Lateral distribution of sodium and potassium channels in frog skeletal muscle: measurements with a patch-clamp technique. <i>Journal of Physiology</i> , <b>1983</b> , 336, 261-84	3.9	127
7	Slow calcium and potassium currents across frog muscle membrane: measurements with a vaseline-gap technique. <i>Journal of Physiology</i> , <b>1981</b> , 312, 159-76	3.9	159
6	Calcium depletion in frog muscle tubules: the decline of calcium current under maintained depolarization. <i>Journal of Physiology</i> , <b>1981</b> , 312, 177-207	3.9	221
5	CA <sup>++</sup> CHANNELS IN MUSCLE MEMBRANE: THE DECLINE OF CALCIUM CURRENT UNDER MAINTAINED DEPOLARIZATION <b>1981</b> , 313-319		
4	Potassium concentration changes in the transverse tubules of vertebrate skeletal muscle. <i>Federation Proceedings</i> , <b>1980</b> , 39, 1527-32		31
3	Block of sodium conductance and gating current in squid giant axons poisoned with quaternary strychnine. <i>Biophysical Journal</i> , <b>1979</b> , 27, 57-73	2.9	102
2	Tetrodotoxin binding to normal depolarized frog muscle and the conductance of a single sodium channel. <i>Journal of Physiology</i> , <b>1975</b> , 247, 483-509	3.9	81
1	The decline of potassium permeability during extreme hyperpolarization in frog skeletal muscle. <i>Journal of Physiology</i> , <b>1972</b> , 225, 57-83	3.9	120