

# Gerald Gimpl

## List of Publications by Citations

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41  
papers

4,535  
citations

27  
h-index

42  
g-index

42  
ext. papers

4,893  
ext. citations

5.6  
avg, IF

5.72  
L-index

#	Paper	IF	Citations
41	The oxytocin receptor system: structure, function, and regulation. <i>Physiological Reviews</i> , <b>2001</b> , 81, 629-837	7.9	2163
40	Alteration of the myometrial plasma membrane cholesterol content with beta-cyclodextrin modulates the binding affinity of the oxytocin receptor. <i>Biochemistry</i> , <b>1995</b> , 34, 13784-93	3.2	485
39	Cholesterol as modulator of receptor function. <i>Biochemistry</i> , <b>1997</b> , 36, 10959-74	3.2	384
38	Expression of the human oxytocin receptor in baculovirus-infected insect cells: high-affinity binding is induced by a cholesterol-cyclodextrin complex. <i>Biochemistry</i> , <b>1995</b> , 34, 13794-801	3.2	139
37	Interaction of G protein coupled receptors and cholesterol. <i>Chemistry and Physics of Lipids</i> , <b>2016</b> , 199, 61-73	3.7	119
36	Direct identification of an extracellular agonist binding site in the renal V2 vasopressin receptor. <i>Biochemistry</i> , <b>1993</b> , 32, 13537-44	3.2	88
35	Cholesterol as stabilizer of the oxytocin receptor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2002</b> , 1564, 384-92	3.8	85
34	Cholesterol reporter molecules. <i>Bioscience Reports</i> , <b>2007</b> , 27, 335-58	4.1	82
33	Human oxytocin receptors in cholesterol-rich vs. cholesterol-poor microdomains of the plasma membrane. <i>FEBS Journal</i> , <b>2000</b> , 267, 2483-97		75
32	Antidepressants and antipsychotic drugs colocalize with 5-HT3 receptors in raft-like domains. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 10198-206	6.6	72
31	Cholesterol-protein interaction: methods and cholesterol reporter molecules. <i>Sub-Cellular Biochemistry</i> , <b>2010</b> , 51, 1-45	5.5	65
30	Probes for studying cholesterol binding and cell biology. <i>Steroids</i> , <b>2011</b> , 76, 216-31	2.8	59
29	Cholesterol and steroid hormones: modulators of oxytocin receptor function. <i>Progress in Brain Research</i> , <b>2002</b> , 139, 43-55	2.9	59
28	Oxytocin receptors: ligand binding, signalling and cholesterol dependence. <i>Progress in Brain Research</i> , <b>2008</b> , 170, 193-204	2.9	58
27	Transport of plasma membrane-derived cholesterol and the function of Niemann-Pick C1 Protein. <i>FASEB Journal</i> , <b>2003</b> , 17, 782-4	0.9	46
26	Non-genomic effects of progesterone on the signaling function of G protein-coupled receptors. <i>FEBS Letters</i> , <b>1999</b> , 464, 25-9	3.8	46
25	Oxidative stress resistance in hippocampal cells is associated with altered membrane fluidity and enhanced nonamyloidogenic cleavage of endogenous amyloid precursor protein. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 48, 1236-41	7.8	41

24	Unsaturated fatty acids drive disintegrin and metalloproteinase (ADAM)-dependent cell adhesion, proliferation, and migration by modulating membrane fluidity. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 26931-42	5.4	40
23	Bradykinin receptors in cultured astrocytes from neonatal rat brain are linked to physiological responses. <i>Neuroscience Letters</i> , <b>1992</b> , 144, 139-42	3.3	40
22	Cholesterol interaction with the related steroidogenic acute regulatory lipid-transfer (START) domains of StAR (STARD1) and MLN64 (STARD3). <i>FEBS Journal</i> , <b>2008</b> , 275, 1790-802	5.7	38
21	Adaptation of neuronal cells to chronic oxidative stress is associated with altered cholesterol and sphingolipid homeostasis and lysosomal function. <i>Journal of Neurochemistry</i> , <b>2009</b> , 111, 669-82	6	35
20	Oxytocin receptors and cholesterol: interaction and regulation. <i>Experimental Physiology</i> , <b>2000</b> , 85 Spec No, 41S-49S	2.4	34
19	Melittin modulates keratinocyte function through P2 receptor-dependent ADAM activation. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 23678-89	5.4	30
18	Orientation and dynamics of a novel fluorescent cholesterol analogue in membranes of varying phase. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 4475-81	3.4	29
17	Cholesterol-induced conformational changes in the oxytocin receptor. <i>Biochemical Journal</i> , <b>2011</b> , 437, 541-53	3.8	27
16	Binding domains of the oxytocin receptor for the selective oxytocin receptor antagonist barusiban in comparison to the agonists oxytocin and carbetocin. <i>European Journal of Pharmacology</i> , <b>2005</b> , 510, 9-16	5.3	27
15	Eimeria bovis infection modulates endothelial host cell cholesterol metabolism for successful replication. <i>Veterinary Research</i> , <b>2015</b> , 46, 100	3.8	19
14	Photoaffinity labeling of the human brain cholecystokinin receptor overexpressed in insect cells. Solubilization, deglycosylation and purification. <i>FEBS Journal</i> , <b>1996</b> , 237, 768-77		15
13	Specification of the cholesterol interaction with the oxytocin receptor using a chimeric receptor approach. <i>European Journal of Pharmacology</i> , <b>2012</b> , 676, 12-9	5.3	13
12	Photoaffinity labeling analysis of the interaction of pituitary adenylate-cyclase-activating polypeptide (PACAP) with the PACAP type I receptor. <i>FEBS Journal</i> , <b>1997</b> , 244, 400-6		13
11	Sodium functions as a negative allosteric modulator of the oxytocin receptor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2018</b> , 1860, 1301-1308	3.8	12
10	Oxytocin receptor ligands: a survey of the patent literature. <i>Expert Opinion on Therapeutic Patents</i> , <b>2008</b> , 18, 1239-1251	6.8	9
9	Molecular structure analysis of the pituitary adenylate cyclase activating polypeptide type I receptor from pig brain. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1994</b> , 1222, 432-40	4.9	9
8	Identification of a receptor protein for neuropeptide Y in rabbit kidney. G-protein association and inhibition of adenylate cyclase. <i>FEBS Letters</i> , <b>1991</b> , 279, 219-22	3.8	9
7	A mutation in the second intracellular loop of the pituitary adenylate cyclase activating polypeptide type I receptor confers constitutive receptor activation. <i>FEBS Letters</i> , <b>2000</b> , 469, 142-6	3.8	8

6	Importance of neuropeptide Y in the regulation of kidney function. <i>Annals of the New York Academy of Sciences</i> , <b>1990</b> , 611, 156-65	6.5	8
5	Depletion of calcium stores contributes to progesterone-induced attenuation of calcium signaling of G protein-coupled receptors. <i>Cellular and Molecular Life Sciences</i> , <b>2010</b> , 67, 2815-24	10.3	6
4	Synthesis and characterization of a novel rhodamine labeled cholesterol reporter. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2017</b> , 1859, 1099-1113	3.8	4
3	CHAPSTEROL. A novel cholesterol-based detergent. <i>FEBS Journal</i> , <b>2005</b> , 272, 800-12	5.7	4
2	A constitutively active pituitary adenylate cyclase activating polypeptide (PACAP) type I receptor shows enhanced photoaffinity labeling of its highly glycosylated form. <i>BBA - Proteins and Proteomics</i> , <b>2001</b> , 1548, 139-51		4
1	Specific and Nonspecific Regulation of GPCR Function by Cholesterol205-230		