

# Gerald Gimpl

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5125750/publications.pdf>

Version: 2024-02-01

41  
papers

5,248  
citations

201385

27  
h-index

276539

41  
g-index

42  
all docs

42  
docs citations

42  
times ranked

6179  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Oxytocin Receptor System: Structure, Function, and Regulation. <i>Physiological Reviews</i> , 2001, 81, 629-683.	13.1	2,531
2	Alteration of the Myometrial Plasma Membrane Cholesterol Content with .beta.-Cyclodextrin Modulates the Binding Affinity of the Oxytocin Receptor. <i>Biochemistry</i> , 1995, 34, 13784-13793.	1.2	517
3	Cholesterol as Modulator of Receptor Function. <i>Biochemistry</i> , 1997, 36, 10959-10974.	1.2	431
4	Interaction of G protein coupled receptors and cholesterol. <i>Chemistry and Physics of Lipids</i> , 2016, 199, 61-73.	1.5	167
5	Expression of the Human Oxytocin Receptor in Baculovirus-Infected Insect Cells: High-Affinity Binding Is Induced by a Cholesterol-Cyclodextrin Complex. <i>Biochemistry</i> , 1995, 34, 13794-13801.	1.2	152
6	Cholesterol as stabilizer of the oxytocin receptor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1564, 384-392.	1.4	105
7	Cholesterol Reporter Molecules. <i>Bioscience Reports</i> , 2007, 27, 335-358.	1.1	99
8	Direct identification of an extracellular agonist binding site in the renal V2 vasopressin receptor. <i>Biochemistry</i> , 1993, 32, 13537-13544.	1.2	93
9	Human oxytocin receptors in cholesterol-rich vs. cholesterol-poor microdomains of the plasma membrane. <i>FEBS Journal</i> , 2000, 267, 2483-2497.	0.2	85
10	Antidepressants and Antipsychotic Drugs Colocalize with 5-HT3 Receptors in Raft-Like Domains. <i>Journal of Neuroscience</i> , 2005, 25, 10198-10206.	1.7	82
11	Cholesterol-Protein Interaction: Methods and Cholesterol Reporter Molecules. <i>Sub-Cellular Biochemistry</i> , 2010, 51, 1-45.	1.0	72
12	Chapter 4 Cholesterol and steroid hormones: modulators of oxytocin receptor function. <i>Progress in Brain Research</i> , 2002, 139, 43-55.	0.9	71
13	Oxytocin receptors: ligand binding, signalling and cholesterol dependence. <i>Progress in Brain Research</i> , 2008, 170, 193-204.	0.9	70
14	Probes for studying cholesterol binding and cell biology. <i>Steroids</i> , 2011, 76, 216-231.	0.8	67
15	Non-genomic effects of progesterone on the signaling function of G protein-coupled receptors. <i>FEBS Letters</i> , 1999, 464, 25-29.	1.3	52
16	Transport of plasma membrane-derived cholesterol and the function of Niemann-Pick C1 protein. <i>FASEB Journal</i> , 2003, 17, 782-784.	0.2	51
17	Unsaturated Fatty Acids Drive Disintegrin and Metalloproteinase (ADAM)-dependent Cell Adhesion, Proliferation, and Migration by Modulating Membrane Fluidity. <i>Journal of Biological Chemistry</i> , 2011, 286, 26931-26942.	1.6	49
18	Adaptation of neuronal cells to chronic oxidative stress is associated with altered cholesterol and sphingolipid homeostasis and lysosomal function. <i>Journal of Neurochemistry</i> , 2009, 111, 669-682.	2.1	46

#	ARTICLE	IF	CITATIONS
19	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> , 2010, 48, 1236-1241.	1.3	45
20	Cholesterol interaction with the related steroidogenic acute regulatory lipid transfer (START) domains of StAR (STARD1) and MLN64 (STARD3). <i>FEBS Journal</i> , 2008, 275, 1790-1802.	2.2	44
21	Bradykinin receptors in cultured astrocytes from neonatal rat brain are linked to physiological responses. <i>Neuroscience Letters</i> , 1992, 144, 139-142.	1.0	43
22	Oxytocin receptors and cholesterol: interaction and regulation. <i>Experimental Physiology</i> , 2000, 85, 41s-49s.	0.9	43
23	Melittin Modulates Keratinocyte Function through P2 Receptor-dependent ADAM Activation. <i>Journal of Biological Chemistry</i> , 2012, 287, 23678-23689.	1.6	40
24	A closer look at the cholesterol sensor. <i>Trends in Biochemical Sciences</i> , 2002, 27, 596-599.	3.7	39
25	Cholesterol-induced conformational changes in the oxytocin receptor. <i>Biochemical Journal</i> , 2011, 437, 541-553.	1.7	37
26	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> , 2005, 510, 9-16.	1.7	30
27	Orientation and Dynamics of a Novel Fluorescent Cholesterol Analogue in Membranes of Varying Phase. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4475-4481.	1.2	30
28	Eimeria bovis infection modulates endothelial host cell cholesterol metabolism for successful replication. <i>Veterinary Research</i> , 2015, 46, 100.	1.1	22
29	Photoaffinity Labeling of the Human Brain Cholecystinin Receptor Overexpressed in Insect Cells. Solubilization, Deglycosylation and Purification. <i>FEBS Journal</i> , 1996, 237, 768-777.	0.2	16
30	Specification of the cholesterol interaction with the oxytocin receptor using a chimeric receptor approach. <i>European Journal of Pharmacology</i> , 2012, 676, 12-19.	1.7	15
31	Sodium functions as a negative allosteric modulator of the oxytocin receptor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1301-1308.	1.4	15
32	Photoaffinity Labeling Analysis of the Interaction of Pituitary Adenylate-Cyclase-Activating Polypeptide (PACAP) with the PACAP Type I Receptor. <i>FEBS Journal</i> , 1997, 244, 400-406.	0.2	14
33	Identification of a receptor protein for neuropeptide Y in rabbit kidney G-protein association and inhibition of adenylate cyclase. <i>FEBS Letters</i> , 1991, 279, 219-222.	1.3	11
34	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> , 1994, 1222, 432-440.	1.9	11
35	Oxytocin receptor ligands: a survey of the patent literature. <i>Expert Opinion on Therapeutic Patents</i> , 2008, 18, 1239-1251.	2.4	11
36	Importance of Neuropeptide Y in the Regulation of Kidney Function. <i>Annals of the New York Academy of Sciences</i> , 1990, 611, 156-165.	1.8	10

#	ARTICLE	IF	CITATIONS
37	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> , 2000, 469, 142-146.	1.3	9
38	Synthesis and characterization of a novel rhodamine labeled cholesterol reporter. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1099-1113.	1.4	8
39	Depletion of calcium stores contributes to progesterone-induced attenuation of calcium signaling of G protein-coupled receptors. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 2815-2824.	2.4	7
40	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> , 2001, 1548, 139-151.	2.1	4
41	A novel cholesterol-based detergent. <i>FEBS Journal</i> , 2005, 272, 800-812.	2.2	4