

Gerald Gimpl

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.

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	Sodium functions as a negative allosteric modulator of the oxytocin receptor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 1301-1308	3.8	12
40	Synthesis and characterization of a novel rhodamine labeled cholesterol reporter. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 1099-1113	3.8	4
39	Interaction of G protein coupled receptors and cholesterol. <i>Chemistry and Physics of Lipids</i> , 2016 , 199, 61-73	3.7	119
38	Eimeria bovis infection modulates endothelial host cell cholesterol metabolism for successful replication. <i>Veterinary Research</i> , 2015 , 46, 100	3.8	19
37	Specification of the cholesterol interaction with the oxytocin receptor using a chimeric receptor approach. <i>European Journal of Pharmacology</i> , 2012 , 676, 12-9	5.3	13
36	Melittin modulates keratinocyte function through P2 receptor-dependent ADAM activation. <i>Journal of Biological Chemistry</i> , 2012 , 287, 23678-89	5.4	30
35	Probes for studying cholesterol binding and cell biology. <i>Steroids</i> , 2011 , 76, 216-31	2.8	59
34	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, 26931-42	5.4	40
33	Cholesterol-induced conformational changes in the oxytocin receptor. <i>Biochemical Journal</i> , 2011 , 437, 541-53	3.8	27
32	Cholesterol-protein interaction: methods and cholesterol reporter molecules. <i>Sub-Cellular Biochemistry</i> , 2010 , 51, 1-45	5.5	65
31	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, 2815-24	10.3	6
30	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, 1236-41	7.8	41
29	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, 669-82	6	35
28	Orientation and dynamics of a novel fluorescent cholesterol analogue in membranes of varying phase. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 4475-81	3.4	29
27	Oxytocin receptors: ligand binding, signalling and cholesterol dependence. <i>Progress in Brain Research</i> , 2008 , 170, 193-204	2.9	58
26	Oxytocin receptor ligands: a survey of the patent literature. <i>Expert Opinion on Therapeutic Patents</i> , 2008 , 18, 1239-1251	6.8	9
25	Cholesterol interaction with the related steroidogenic acute regulatory lipid-transfer (START) domains of StAR (STARD1) and MLN64 (STARD3). <i>FEBS Journal</i> , 2008 , 275, 1790-802	5.7	38

24	Cholesterol reporter molecules. <i>Bioscience Reports</i> , 2007 , 27, 335-58	4.1	82
23	CHAPSTEROL. A novel cholesterol-based detergent. <i>FEBS Journal</i> , 2005 , 272, 800-12	5.7	4
22	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	5.3	27
21	Antidepressants and antipsychotic drugs colocalize with 5-HT ₃ receptors in raft-like domains. <i>Journal of Neuroscience</i> , 2005 , 25, 10198-206	6.6	72
20	Transport of plasma membrane-derived cholesterol and the function of Niemann-Pick C1 Protein. <i>FASEB Journal</i> , 2003 , 17, 782-4	0.9	46
19	Cholesterol and steroid hormones: modulators of oxytocin receptor function. <i>Progress in Brain Research</i> , 2002 , 139, 43-55	2.9	59
18	Cholesterol as stabilizer of the oxytocin receptor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002 , 1564, 384-92	3.8	85
17	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, 139-51		4
16	The oxytocin receptor system: structure, function, and regulation. <i>Physiological Reviews</i> , 2001 , 81, 629-837	7.9	2163
15	Human oxytocin receptors in cholesterol-rich vs. cholesterol-poor microdomains of the plasma membrane. <i>FEBS Journal</i> , 2000 , 267, 2483-97		75
14	Oxytocin receptors and cholesterol: interaction and regulation. <i>Experimental Physiology</i> , 2000 , 85 Spec No, 41S-49S	2.4	34
13	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, 142-6	3.8	8
12	Non-genomic effects of progesterone on the signaling function of G protein-coupled receptors. <i>FEBS Letters</i> , 1999 , 464, 25-9	3.8	46
11	Cholesterol as modulator of receptor function. <i>Biochemistry</i> , 1997 , 36, 10959-74	3.2	384
10	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, 400-6		13
9	Photoaffinity labeling of the human brain cholecystokinin receptor overexpressed in insect cells. Solubilization, deglycosylation and purification. <i>FEBS Journal</i> , 1996 , 237, 768-77		15
8	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, 13794-801	3.2	139
7	Alteration of the myometrial plasma membrane cholesterol content with beta-cyclodextrin modulates the binding affinity of the oxytocin receptor. <i>Biochemistry</i> , 1995 , 34, 13784-93	3.2	485

6	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, 432-40	4.9	9
5	Direct identification of an extracellular agonist binding site in the renal V2 vasopressin receptor. <i>Biochemistry</i> , 1993 , 32, 13537-44	3.2	88
4	Bradykinin receptors in cultured astrocytes from neonatal rat brain are linked to physiological responses. <i>Neuroscience Letters</i> , 1992 , 144, 139-42	3.3	40
3	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, 219-22	3.8	9
2	Importance of neuropeptide Y in the regulation of kidney function. <i>Annals of the New York Academy of Sciences</i> , 1990 , 611, 156-65	6.5	8
1	Specific and Nonspecific Regulation of GPCR Function by Cholesterol205-230		