Gerald Gimpl

List of Publications by Year
in descending order

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	Sodium functions as a negative allosteric modulator of the oxytocin receptor. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1301-1308.	1.4	15
2	Synthesis and characterization of a novel rhodamine labeled cholesterol reporter. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1099-1113.	1.4	8
3	Interaction of G protein coupled receptors and cholesterol. Chemistry and Physics of Lipids, 2016, 199, 61-73.	1.5	167
4	Eimeria bovis infection modulates endothelial host cell cholesterol metabolism for successful replication. Veterinary Research, 2015, 46, 100.	1.1	22
5	Melittin Modulates Keratinocyte Function through P2 Receptor-dependent ADAM Activation. Journal of Biological Chemistry, 2012, 287, 23678-23689.	1.6	40
6	Specification of the cholesterol interaction with the oxytocin receptor using a chimeric receptor approach. European Journal of Pharmacology, 2012, 676, 12-19.	1.7	15
7	Probes for studying cholesterol binding and cell biology. Steroids, 2011, 76, 216-231.	0.8	67
8	Unsaturated Fatty Acids Drive Disintegrin and Metalloproteinase (ADAM)-dependent Cell Adhesion, Proliferation, and Migration by Modulating Membrane Fluidity. Journal of Biological Chemistry, 2011, 286, 26931-26942.	1.6	49
9	Cholesterol-induced conformational changes in the oxytocin receptor. Biochemical Journal, 2011, 437, 541-553.	1.7	37
10	Cholesterolâ€"Protein Interaction: Methods and Cholesterol Reporter Molecules. Sub-Cellular Biochemistry, 2010, 51, 1-45.	1.0	72
11	Depletion of calcium stores contributes to progesterone-induced attenuation of calcium signaling of G protein-coupled receptors. Cellular and Molecular Life Sciences, 2010, 67, 2815-2824.	2.4	7
12	Oxidative stress resistance in hippocampal cells is associated with altered membrane fluidity and enhanced nonamyloidogenic cleavage of endogenous amyloid precursor protein. Free Radical Biology and Medicine, 2010, 48, 1236-1241.	1.3	45
13	Adaptation of neuronal cells to chronic oxidative stress is associated with altered cholesterol and sphingolipid homeostasis and lysosomal function. Journal of Neurochemistry, 2009, 111, 669-682.	2.1	46
14	Orientation and Dynamics of a Novel Fluorescent Cholesterol Analogue in Membranes of Varying Phase. Journal of Physical Chemistry B, 2009, 113, 4475-4481.	1.2	30
15	Cholesterol interaction with the related steroidogenic acute regulatory lipidâ€transfer (START) domains of StAR (STARD1) and MLN64 (STARD3). FEBS Journal, 2008, 275, 1790-1802.	2.2	44
16	Oxytocin receptors: ligand binding, signalling and cholesterol dependence. Progress in Brain Research, 2008, 170, 193-204.	0.9	70
17	Oxytocin receptor ligands: a survey of the patent literature. Expert Opinion on Therapeutic Patents, 2008, 18, 1239-1251.	2.4	11
18	Cholesterol Reporter Molecules. Bioscience Reports, 2007, 27, 335-358.	1.1	99

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19	A novel cholesterol-based detergent. FEBS Journal, 2005, 272, 800-812.	2.2	4
20	Binding domains of the oxytocin receptor for the selective oxytocin receptor antagonist barusiban in comparison to the agonists oxytocin and carbetocin. European Journal of Pharmacology, 2005, 510, 9-16.	1.7	30
21	Antidepressants and Antipsychotic Drugs Colocalize with 5-HT3 Receptors in Raft-Like Domains. Journal of Neuroscience, 2005, 25, 10198-10206.	1.7	82
22	Transport of plasma membraneâ€derived cholesterol and the function of Niemannâ€Pick C1 protein. FASEB Journal, 2003, 17, 782-784.	0.2	51
23	Chapter 4 Cholesterol and steroid hormones: modulators of oxytocin receptor function. Progress in Brain Research, 2002, 139, 43-55.	0.9	71
24	Cholesterol as stabilizer of the oxytocin receptor. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1564, 384-392.	1.4	105
25	A closer look at the cholesterol sensor. Trends in Biochemical Sciences, 2002, 27, 596-599.	3.7	39
26	The Oxytocin Receptor System: Structure, Function, and Regulation. Physiological Reviews, 2001, 81, 629-683.	13.1	2,531
27	A constitutively active pituitary adenylate cyclase activating polypeptide (PACAP) type I receptor shows enhanced photoaffinity labeling of its highly glycosylated form. BBA - Proteins and Proteomics, 2001, 1548, 139-151.	2.1	4
28	Human oxytocin receptors in cholesterol-rich vs. cholesterol-poor microdomains of the plasma membrane. FEBS Journal, 2000, 267, 2483-2497.	0.2	85
29	Oxytocin receptors and cholesterol: interaction and regulation. Experimental Physiology, 2000, 85, 41s-49s.	0.9	43
30	A mutation in the second intracellular loop of the pituitary adenylate cyclase activating polypeptide type I receptor confers constitutive receptor activation. FEBS Letters, 2000, 469, 142-146.	1.3	9
31	Non-genomic effects of progesterone on the signaling function of G protein-coupled receptors. FEBS Letters, 1999, 464, 25-29.	1.3	52
32	Cholesterol as Modulator of Receptor Functionâ€. Biochemistry, 1997, 36, 10959-10974.	1.2	431
33	Photoaffinity Labeling Analysis of the Interaction of Pituitary Adenylate-Cyclase-Activating Polypeptide (PACAP) with the PACAP Type I Receptor. FEBS Journal, 1997, 244, 400-406.	0.2	14
34	Photoaffinity Labeling of the Human Brain Cholecystokinin Receptor Overexpressed in Insect Cells. Solubilization, Deglycosylation and Purification. FEBS Journal, 1996, 237, 768-777.	0.2	16
35	Expression of the Human Oxytocin Receptor in Baculovirus-Infected Insect Cells: High-Affinity Binding Is Induced by a Cholesterol-Cyclodextrin Complex. Biochemistry, 1995, 34, 13794-13801.	1.2	152
36	Alteration of the Myometrial Plasma Membrane Cholesterol Content with .beta.-Cyclodextrin Modulates the Binding Affinity of the Oxytocin Receptor. Biochemistry, 1995, 34, 13784-13793.	1.2	517

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37	Molecular structure analysis of the pituitary adenylate cyclase activating polypeptide type I receptor from pig brain. Biochimica Et Biophysica Acta - Molecular Cell Research, 1994, 1222, 432-440.	1.9	11
38	Direct identification of an extracellular agonist binding site in the renal V2 vasopressin receptor. Biochemistry, 1993, 32, 13537-13544.	1.2	93
39	Bradykinin receptors in cultured astrocytes from neonatal rat brain are linked to physiological responses. Neuroscience Letters, 1992, 144, 139-142.	1.0	43
40	Identification of a receptor protein for neuropeptide Y in rabbit kidney G-protein association and inhibition of adenylate cyclase. FEBS Letters, 1991, 279, 219-222.	1.3	11
41	Importance of Neuropeptide Y in the Regulation of Kidney Function. Annals of the New York Academy of Sciences, 1990, 611, 156-165.	1.8	10