

H Ongun Onaran

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papers

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h-index

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46
ext. papers

1,108
ext. citations

5.6
avg, IF

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L-index

#	Paper	IF	Citations
43	Drug efficacy at guanine nucleotide-binding regulatory protein-linked receptors: thermodynamic interpretation of negative antagonism and of receptor activity in the absence of ligand. <i>Molecular Pharmacology</i> , 1992 , 41, 549-60	4.3	168
42	Lysolipids reversibly inhibit Ca(2+)-, GTP- and pH-dependent fusion of biological membranes. <i>FEBS Letters</i> , 1993 , 318, 71-6	3.8	162
41	The ligand paradox between affinity and efficacy: can you be there and not make a difference?. <i>Trends in Pharmacological Sciences</i> , 2002 , 23, 275-80	13.2	120
40	Agonist efficacy and allosteric models of receptor action. <i>Annals of the New York Academy of Sciences</i> , 1997 , 812, 98-115	6.5	87
39	Systematic errors in detecting biased agonism: Analysis of current methods and development of a new model-free approach. <i>Scientific Reports</i> , 2017 , 7, 44247	4.9	45
38	Acidic pH induces fusion of cells infected with baculovirus to form syncytia. <i>FEBS Letters</i> , 1992 , 304, 221-48	4.0	40
37	Beta gamma subunits of guanine nucleotide-binding proteins and regulation of spontaneous receptor activity: thermodynamic model for the interaction between receptors and guanine nucleotide-binding protein subunits. <i>Molecular Pharmacology</i> , 1993 , 43, 245-56	4.3	35
36	What is biased efficacy? Defining the relationship between intrinsic efficacy and free energy coupling. <i>Trends in Pharmacological Sciences</i> , 2014 , 35, 639-47	13.2	33
35	Opioid receptor ligands in human hepatic encephalopathy. <i>Journal of Hepatology</i> , 1998 , 29, 796-801	13.4	31
34	Where have all the active receptor states gone?. <i>Nature Chemical Biology</i> , 2012 , 8, 674-7	11.7	28
33	Cell contact-dependent functional selectivity of β -adrenergic receptor ligands in stimulating cAMP accumulation and extracellular signal-regulated kinase phosphorylation. <i>Journal of Biological Chemistry</i> , 2012 , 287, 6362-74	5.4	27
32	Allosteric equilibrium model explains steady-state coupling of beta-adrenergic receptors to adenylate cyclase in turkey erythrocyte membranes. <i>Biochemical Journal</i> , 1997 , 323 (Pt 3), 765-76	3.8	26
31	An efficacy-dependent effect of cardiac overexpression of beta2-adrenoceptor on ligand affinity in transgenic mice. <i>Molecular Pharmacology</i> , 1997 , 52, 187-94	4.3	25
30	A Look at Receptor Efficacy. From the Signalling Network of the Cell to the Intramolecular Motion of the Receptor. <i>Handbook of Experimental Pharmacology</i> , 2000 , 217-259	3.2	20
29	Ligands raise the constraint that limits constitutive activation in G protein-coupled opioid receptors. <i>Journal of Biological Chemistry</i> , 2013 , 288, 23964-78	5.4	18
28	Allosteric coupling and conformational fluctuations in proteins. <i>Current Protein and Peptide Science</i> , 2009 , 10, 110-5	2.8	18
27	Coupling of beta2-adrenoceptors to XLalphas and Galphas: a new insight into ligand-induced G protein activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 329, 350-9	4.7	15

26	Exploring allosteric coupling in the alpha-subunit of heterotrimeric G proteins using evolutionary and ensemble-based approaches. <i>BMC Structural Biology</i> , 2008 , 8, 23	2.7	14
25	Partial rescue of functional interactions of a nonpalmitoylated mutant of the G-protein G alpha s by fusion to the beta-adrenergic receptor. <i>Biochemistry</i> , 2003 , 42, 2607-15	3.2	13
24	Dietary selenium and vitamin E intakes alter beta-adrenergic response of L-type Ca-current and beta-adrenoceptor-adenylate cyclase coupling in rat heart. <i>Journal of Nutrition</i> , 2000 , 130, 733-40	4.1	13
23	Ligand efficacy and affinity in an interacting 7TM receptor model. <i>Trends in Pharmacological Sciences</i> , 1999 , 20, 274-8	13.2	13
22	Guanine nucleotide exchange-independent activation of Gs protein by beta2-adrenoceptor. <i>Molecular Pharmacology</i> , 2005 , 68, 720-8	4.3	12
21	Community Guidelines for GPCR Ligand Bias: IUPHAR Review XX.. <i>British Journal of Pharmacology</i> , 2022 ,	8.6	10
20	beta2-Adrenoceptor, Gs and adenylyl cyclase coupling in purified detergent-resistant, low density membrane fractions. <i>European Journal of Pharmacology</i> , 2010 , 630, 42-52	5.3	6
19	Pharmacokinetics of recombinant human erythropoietin in children with chronic renal failure. <i>International Urology and Nephrology</i> , 1997 , 29, 377-83	2.3	6
18	Role of alpha-adrenoceptors in the effects of buspirone and 5-carboxamidotryptamine in rabbit isolated thoracic aorta. <i>General Pharmacology</i> , 1992 , 23, 43-7		6
17	Conceptual and experimental issues in biased agonism. <i>Cellular Signalling</i> , 2021 , 82, 109955	4.9	6
16	Long and short distance movements of (D)-adrenoceptor in cell membrane assessed by photoconvertible fluorescent protein dendra2-(D)-adrenoceptor fusion. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011 , 1813, 1511-24	4.9	5
15	Agonist-directed trafficking explaining the difference between response pattern of naratriptan and sumatriptan in rabbit common carotid artery. <i>British Journal of Pharmacology</i> , 2002 , 136, 171-6	8.6	5
14	Atypical Schild plots with histamine H1 receptor agonists and antagonists in the rabbit aorta. <i>European Journal of Pharmacology</i> , 1991 , 197, 49-56	5.3	5
13	Ca2+-induced inhibition of adenylyl cyclase in turkey erythrocyte membranes. <i>Pharmacology</i> , 1998 , 57, 222-8	2.3	3
12	The effects of verapamil and nimodipine on bupivacaine-induced cardiotoxicity in rats: an in vivo and in vitro study. <i>Anesthesia and Analgesia</i> , 1998 , 86, 818-24	3.9	3
11	Heterogeneity of histamine H2-receptor mediated responses in the rabbit aorta. <i>Agents and Actions</i> , 1988 , 24, 250-4		3
10	Vasopressin receptor 2 mutations in the nephrogenic syndrome of inappropriate antidiuresis show different mechanisms of constitutive activation for G protein coupled receptors. <i>Scientific Reports</i> , 2020 , 10, 9111	4.9	2
9	Quasi-irreversible binding of agonist to beta-adrenoceptors and formation of non-dissociating receptor-G(s) complex in the absence of guanine nucleotides. <i>European Journal of Pharmacology</i> , 2001 , 425, 181-8	5.3	2

8	A semiiterative method for derivation of concentration-response parameters. <i>Journal of Pharmacological Methods</i> , 1988 , 19, 39-45		2
7	Correlation between affinity and efficacy. <i>Trends in Pharmacological Sciences</i> , 2003 , 24, 5-6	13.2	1
6	Kinetics of antagonism at histamine-H1 receptors in isolated rabbit arteries. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1990 , 341, 316-23	3.4	1
5	Regional histaminergic potencies in rabbit systemic circulation. <i>General Pharmacology</i> , 1991 , 22, 659-61		1
4	Pharmacokinetics of phenprobamate after oral administration to healthy subjects. <i>Arzneimittelforschung</i> , 1998 , 48, 1068-71		1
3	Decrease in apparent alpha1-adrenoceptor-G protein coupling during maturation in rat aorta. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 1998 , 53, B268-73	6.4	
2	Onaran and Gurdal reply. <i>Trends in Pharmacological Sciences</i> , 1999 , 20, 358	13.2	
1	CHAPTER 6. A Unifying Approach to the Duality of Energetic Versus Conformational Formulations of Allosteric Coupling: Mechanistic Implications for GPCR Allostery131-155		