Graeme Milligan

List of Publications by Year
in descending order

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472 papers	27,004 citations	5782 84 h-index	12272 138 g-index
485 all docs	485 docs citations	485 times ranked	20369 citing authors

#	Article	IF	Citations
1	Identification of a serotonin/glutamate receptor complex implicated in psychosis. Nature, 2008, 452, 93-97.	13.7	739
2	Presynaptic Control of Striatal Glutamatergic Neurotransmission by Adenosine A1-A2A Receptor Heteromers. Journal of Neuroscience, 2006, 26, 2080-2087.	1.7	553
3	G Proteinâ€“Coupled Receptor Oligomerization Revisited: Functional and Pharmacological Perspectives. Pharmacological Reviews, 2014, 66, 413-434.	7.1	497
4	Tailoring cAMP-signalling responses through isoform multiplicity. Trends in Biochemical Sciences, 1997, 22, 217-224.	3.7	417
5	G Protein-Coupled Receptor Dimerization: Function and Ligand Pharmacology. Molecular Pharmacology, 2004, 66, 1-7.	1.0	366
6	Building a new conceptual framework for receptor heteromers. Nature Chemical Biology, 2009, 5, 131-134.	3.9	349
7	Heterotrimeric G-proteins: a short history. British Journal of Pharmacology, 2006, 147, S46-S55.	2.7	347
8	G-Proteinâ€“Coupled Receptor Mas Is a Physiological Antagonist of the Angiotensin II Type 1 Receptor. Circulation, 2005, 111, 1806-1813.	1.6	346
9	The dynamic role of palmitoylation in signal transduction. Trends in Biochemical Sciences, 1995, 20, 181-186.	3.7	312
10	G proteinâ€coupled receptor heteroâ€dimerization: contribution to pharmacology and function. British Journal of Pharmacology, 2009, 158, 5-14.	2.7	303
11	International Union of Pharmacology. LXXI. Free Fatty Acid Receptors FFA1, -2, and -3: Pharmacology and Pathophysiological Functions. Pharmacological Reviews, 2008, 60, 405-417.	7.1	293
12	The experimental power of FR900359 to study Gq-regulated biological processes. Nature Communications, 2015, 6, 10156.	5.8	282
13	International Union of Basic and Clinical Pharmacology. LXVII. Recommendations for the Recognition and Nomenclature of G Protein-Coupled Receptor Heteromultimers. Pharmacological Reviews, 2007, 59, 5-13.	7.1	274
14	Inverse agonism: pharmacological curiosity or potential therapeutic strategy?. Trends in Pharmacological Sciences, 1995, 16, 10-13.	4.0	270
15	Abolition of the expression of inhibitory guanine nucleotide regulatory protein Gi activity in diabetes. Nature, 1987, 327, 229-232.	13.7	248
16	Deconvolution of complex G proteinâ€“coupled receptor signaling in live cells using dynamic mass redistribution measurements. Nature Biotechnology, 2010, 28, 943-949.	9.4	246
17	Allostery at G Protein-Coupled Receptor Homo- and Heteromers: Uncharted Pharmacological Landscapes. Pharmacological Reviews, 2010, 62, 701-725.	7.1	246
18	Constitutive Activity and Inverse Agonists of G Protein-Coupled Receptors: a Current Perspective: TABLE 1. Molecular Pharmacology, 2003, 64, 1271-1276.	1.0	239

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19	Receptor for the Pain Modulatory Neuropeptides FF and AF Is an Orphan G Protein-coupled Receptor. Journal of Biological Chemistry, 2000, 275, 25965-25971.	1.6	233
20	Monitoring Receptor Oligomerization Using Time-resolved Fluorescence Resonance Energy Transfer and Bioluminescence Resonance Energy Transfer. Journal of Biological Chemistry, 2001, 276, 14092-14099.	1.6	227
21	Gut Dysbiosis during Influenza Contributes to Pulmonary Pneumococcal Superinfection through Altered Short-Chain Fatty Acid Production. Cell Reports, 2020, 30, 2934-2947.e6.	2.9	221
22	Complex Pharmacology of Free Fatty Acid Receptors. Chemical Reviews, 2017, 117, 67-110.	23.0	209
23	The Pharmacology and Function of Receptors for Short-Chain Fatty Acids. Molecular Pharmacology, 2016, 89, 388-398.	1.0	206
24	Methods to monitor the quaternary structure of G protein-coupled receptors. FEBS Journal, 2005, 272, 2914-2925.	2.2	203
25	A Bioluminescent Assay for Agonist Activity at Potentially Any G-Protein-Coupled Receptor. Analytical Biochemistry, 1997, 252, 115-126.	1.1	201
26	Homo- and hetero-oligomeric interactions between G-protein-coupled receptors in living cells monitored by two variants of bioluminescence resonance energy transfer (BRET): hetero-oligomers between receptor subtypes form more efficiently than between less closely related sequences. Biochemical Journal, 2002, 365, 429-440.	1.7	197
27	Orexin-1 Receptor-Cannabinoid CB1 Receptor Heterodimerization Results in Both Ligand-dependent and -independent Coordinated Alterations of Receptor Localization and Function. Journal of Biological Chemistry, 2006, 281, 38812-38824.	1.6	197
28	Metabolism meets immunity: The role of free fatty acid receptors in the immune system. Biochemical Pharmacology, 2016, 114, 3-13.	2.0	197
29	Î²-Arrestin biosensors reveal a rapid, receptor-dependent activation/deactivation cycle. Nature, 2016, 531, 661-664.	13.7	190
30	Principles: Extending the utility of [35S]GTPÎ³S binding assays. Trends in Pharmacological Sciences, 2003, 24, 87-90.	4.0	184
31	Î²-Arrestin 1 and GÎ±q/11 Coordinately Activate RhoA and Stress Fiber Formation following Receptor Stimulation. Journal of Biological Chemistry, 2005, 280, 8041-8050.	1.6	180
32	Specific substrate-driven changes in human faecal microbiota composition contrast with functional redundancy in short-chain fatty acid production. ISME Journal, 2018, 12, 610-622.	4.4	173
33	The Pharmacology of TUG-891, a Potent and Selective Agonist of the Free Fatty Acid Receptor 4 (FFA4/GPR120), Demonstrates Both Potential Opportunity and Possible Challenges to Therapeutic Agonism. Molecular Pharmacology, 2013, 84, 710-725.	1.0	172
34	Antibodies to the GTP binding protein, Go, antagonize noradrenaline-induced calcium current inhibition in NG108-15 hybrid cells. Neuron, 1989, 3, 177-182.	3.8	165
35	Allosteric modulation of heterodimeric G-protein-coupled receptors. Trends in Pharmacological Sciences, 2007, 28, 615-620.	4.0	162
36	Purification of heterotrimeric GTP-binding proteins from brain: identification of a novel form of Go. Biochemistry, 1988, 27, 7085-7090.	1.2	160

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37	Use of specific antibodies to quantitate the guanine nucleotide-binding protein Go in brain.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 2258-2262.	3.3	157
38	The Î±1b-Adrenoceptor Exists as a Higher-Order Oligomer: Effective Oligomerization Is Required for Receptor Maturation, Surface Delivery, and Function. Molecular Pharmacology, 2007, 71, 1015-1029.	1.0	154
39	Applying label-free dynamic mass redistribution technology to frame signaling of G proteinâ€“coupled receptors noninvasively in living cells. Nature Protocols, 2011, 6, 1748-1760.	5.5	154
40	Cannabinoid Receptor Type 1 Protects against Age- Related Osteoporosis by Regulating Osteoblast and Adipocyte Differentiation in Marrow Stromal Cells. Cell Metabolism, 2009, 10, 139-147.	7.2	151
41	Mechanisms of multifunctional signalling by G protein-linked receptors. Trends in Pharmacological Sciences, 1993, 14, 239-244.	4.0	150
42	G protein-coupled receptor dimerisation: Molecular basis and relevance to function. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 825-835.	1.4	149
43	Derivation of Endothelial Cells From Human Embryonic Stem Cells by Directed Differentiation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1389-1397.	1.1	147
44	Discovery of a Potent and Selective GPR120 Agonist. Journal of Medicinal Chemistry, 2012, 55, 4511-4515.	2.9	145
45	Targeted Elimination of G Proteins and Arrestins Defines Their Specific Contributions to Both Intensity and Duration of G Protein-coupled Receptor Signaling. Journal of Biological Chemistry, 2016, 291, 27147-27159.	1.6	143
46	Immunological Analysis of Glucose Transporters Expressed in Different Regions of the Rat Brain and Central Nervous System. Biochemical and Biophysical Research Communications, 1993, 192, 1297-1302.	1.0	138
47	Inverse agonism and the regulation of receptor number. Trends in Pharmacological Sciences, 1997, 18, 468-474.	4.0	134
48	Bradykinin excites rat sympathetic neurons by inhibition of M current through a mechanism involving B2 receptors and GÎ±q/11. Neuron, 1995, 14, 399-405.	3.8	132
49	The chemokine receptor CCX-CKR mediates effective scavenging of CCL19in vitro. European Journal of Immunology, 2006, 36, 1904-1916.	1.6	127
50	The insulin receptor tyrosyl kinase phosphorylates holomeric forms of the guanine nucleotide regulatory proteins Giand Go. FEBS Letters, 1987, 212, 281-288.	1.3	126
51	BRET analysis of GPCR oligomerization: newer does not mean better. Nature Methods, 2007, 4, 3-4.	9.0	126
52	Techniques: Promiscuous GÎ± proteins in basic research and drug discovery. Trends in Pharmacological Sciences, 2005, 26, 595-602.	4.0	125
53	G-protein-coupled receptor heterodimers: pharmacology, function and relevance to drug discovery. Drug Discovery Today, 2006, 11, 541-549.	3.2	124
54	Agonist regulation of cellular G protein levels and distribution: mechanisms and functional implications. Trends in Pharmacological Sciences, 1993, 14, 413-418.	4.0	122

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55	Identification of Three Residues Essential for 5-Hydroxytryptamine 2A-Metabotropic Glutamate 2 (5-HT2AÂ·mGlu2) Receptor Heteromerization and Its Psychoactive Behavioral Function. Journal of Biological Chemistry, 2012, 287, 44301-44319.	1.6	122
56	Applications of bioluminescence- and fluorescence resonance energy transfer to drug discovery at G protein-coupled receptors. European Journal of Pharmaceutical Sciences, 2004, 21, 397-405.	1.9	119
57	Extracellular Ionic Locks Determine Variation in Constitutive Activity and Ligand Potency between Species Orthologs of the Free Fatty Acid Receptors FFA2 and FFA3. Journal of Biological Chemistry, 2012, 287, 41195-41209.	1.6	116
58	Î²-Arrestin 2-Dependent Angiotensin II Type 1A Receptor-Mediated Pathway of Chemotaxis. Molecular Pharmacology, 2005, 67, 1229-1236.	1.0	115
59	G16 as a universal G protein adapter: implications for agonist screening strategies. Trends in Pharmacological Sciences, 1996, 17, 235-237.	4.0	114
60	The role of dimerisation in the cellular trafficking of G-protein-coupled receptors. Current Opinion in Pharmacology, 2010, 10, 23-29.	1.7	114
61	Angiotensin-(1â€“7) and angiotensin-(1â€“9): function in cardiac and vascular remodelling. Clinical Science, 2014, 126, 815-827.	1.8	114
62	Proteinâ€“protein interactions at G-protein-coupled receptors. Trends in Pharmacological Sciences, 2001, 22, 513-518.	4.0	113
63	The CXCR1 and CXCR2 Receptors Form Constitutive Homo- and Heterodimers Selectively and with Equal Apparent Affinities. Journal of Biological Chemistry, 2005, 280, 28663-28674.	1.6	113
64	Insights into ligand pharmacology using receptorâ€“G-protein fusion proteins. Trends in Pharmacological Sciences, 2000, 21, 24-28.	4.0	109
65	Agonist-Induced Endocytosis and Recycling of the Gonadotropin-Releasing Hormone Receptor: Effect of Î²-Arrestin on Internalization Kinetics. Molecular Endocrinology, 1998, 12, 1818-1829.	3.7	105
66	Dimers of Class A G Protein-coupled Receptors Function via Agonist-mediated Trans-activation of Associated G Proteins. Journal of Biological Chemistry, 2003, 278, 42578-42587.	1.6	101
67	Inferring Signaling Pathway Topologies from Multiple Perturbation Measurements of Specific Biochemical Species. Science Signaling, 2010, 3, ra20.	1.6	101
68	Selective Orthosteric Free Fatty Acid Receptor 2 (FFA2) Agonists. Journal of Biological Chemistry, 2011, 286, 10628-10640.	1.6	101
69	Defining the Molecular Basis for the First Potent and Selective Orthosteric Agonists of the FFA2 Free Fatty Acid Receptor. Journal of Biological Chemistry, 2013, 288, 17296-17312.	1.6	99
70	Antibodies against the carboxyl-terminal 5-kDa peptide of the alpha subunit of transducin crossreact with the 40-kDa but not the 39-kDa guanine nucleotide binding protein from brain.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 4095-4099.	3.3	98
71	Mechanism and Function of Drosophila capa GPCR: A Desiccation Stress-Responsive Receptor with Functional Homology to Human NeuromedinU Receptor. PLoS ONE, 2012, 7, e29897.	1.1	98
72	Conserved Polar Residues in Transmembrane Domains V, VI, and VII of Free Fatty Acid Receptor 2 and Free Fatty Acid Receptor 3 Are Required for the Binding and Function of Short Chain Fatty Acids. Journal of Biological Chemistry, 2008, 283, 32913-32924.	1.6	96

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73	Multiple Interactions between Transmembrane Helices Generate the Oligomeric Î±1b-Adrenoceptor. Molecular Pharmacology, 2004, 66, 1123-1137.	1.0	95
74	The Prevalence, Maintenance, and Relevance of G Proteinâ€“Coupled Receptor Oligomerization. Molecular Pharmacology, 2013, 84, 158-169.	1.0	95
75	GPCR homo-oligomerization. Current Opinion in Cell Biology, 2019, 57, 40-47.	2.6	94
76	The Dually Acylated NH2-terminal Domain of Gi1Î± Is Sufficient to Target a Green Fluorescent Protein Reporter to Caveolin-enriched Plasma Membrane Domains. Journal of Biological Chemistry, 1999, 274, 5843-5850.	1.6	93
77	Activity of dietary fatty acids on FFA1 and FFA4 and characterisation of pinolenic acid as a dual FFA1/FFA4 agonist with potential effect against metabolic diseases. British Journal of Nutrition, 2015, 113, 1677-1688.	1.2	93
78	Role of MicroRNAs 99b, 181a, and 181b in the Differentiation of Human Embryonic Stem Cells to Vascular Endothelial Cells. Stem Cells, 2012, 30, 643-654.	1.4	92
79	Treatment of intact hepatocytes with either the phorbol ester TPA or glucagon elicits the phosphorylation and functional inactivation of the inhibitory guanine nucleotide regulatory protein Gi. FEBS Letters, 1989, 243, 77-82.	1.3	91
80	Localization of the succinate receptor in the distal nephron and its signaling in polarized MDCK cells. Kidney International, 2009, 76, 1258-1267.	2.6	91
81	Identification of novel species-selective agonists of the G-protein-coupled receptor GPR35 that promote recruitment of Î²-arrestin-2 and activate GÎ±13. Biochemical Journal, 2010, 432, 451-459.	1.7	91
82	Real-time monitoring of redox changes in the mammalian endoplasmic reticulum. Journal of Cell Science, 2011, 124, 2349-2356.	1.2	91
83	Allosteric signaling through an mGlu2 and 5-HT _{2A} heteromeric receptor complex and its potential contribution to schizophrenia. Science Signaling, 2016, 9, ra5.	1.6	91
84	Chimaeric GÎ± proteins: their potential use in drug discovery. Trends in Pharmacological Sciences, 1999, 20, 118-124.	4.0	88
85	Mapping binding sites for the PDE4D5 cAMP-specific phosphodiesterase to the N- and C-domains of Î²-arrestin using spot-immobilized peptide arrays. Biochemical Journal, 2007, 404, 71-80.	1.7	88
86	Staphylococcus aureusStaphopain A inhibits CXCR2-dependent neutrophil activation and chemotaxis. EMBO Journal, 2012, 31, 3607-3619.	3.5	88
87	The GTP-binding regulatory proteins of neuroblastoma Ã— glioma, NG108-15, and glioma, C6, cells. FEBS Letters, 1986, 195, 225-230.	1.3	87
88	Hydrophobicity of Residue351of the G Protein Gi1Î± Determines the Extent of Activation by the Î±2A-Adrenoceptorâ€. Biochemistry, 1998, 37, 11555-11562.	1.2	87
89	Intracellular activation of vasopressin V2 receptor mutants in nephrogenic diabetes insipidus by nonpeptide agonists. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12195-12200.	3.3	87
90	Combinatorial expression of GPCR isoforms affects signalling and drug responses. Nature, 2020, 587, 650-656.	13.7	87

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91	Angiotensin1â€9 antagonises proâ€hypertrophic signalling in cardiomyocytes via the angiotensin type 2 receptor. Journal of Physiology, 2011, 589, 939-951.	1.3	84
92	Agonist activation of p42 and p44 mitogen-activated protein kinases following expression of the mouse Î´ opioid receptor in Rat-1 fibroblasts: effects of receptor expression levels and comparisons with G-protein activation. Biochemical Journal, 1996, 320, 227-235.	1.7	83
93	Heteromultimerization of Cannabinoid CB1 Receptor and Orexin OX1 Receptor Generates a Unique Complex in Which Both Protomers Are Regulated by Orexin A. Journal of Biological Chemistry, 2011, 286, 37414-37428.	1.6	81
94	Non-Acidic Free Fatty Acid Receptor 4 Agonists with Antidiabetic Activity. Journal of Medicinal Chemistry, 2016, 59, 8868-8878.	2.9	81
95	GPCR dimerisation. Life Sciences, 2003, 74, 181-188.	2.0	80
96	Treatment of Type 2 Diabetes by Free Fatty Acid Receptor Agonists. Frontiers in Endocrinology, 2014, 5, 137.	1.5	80
97	The Î± Subunit of GqContributes to Muscarinic Inhibition of the M-Type Potassium Current in Sympathetic Neurons. Journal of Neuroscience, 1998, 18, 4521-4531.	1.7	79
98	Constitutive Activity of the Cannabinoid CB1 Receptor Regulates the Function of Co-expressed Mu Opioid Receptors. Journal of Biological Chemistry, 2008, 283, 11424-11434.	1.6	78
99	Extracellular Loop 2 of the Free Fatty Acid Receptor 2 Mediates Allosterism of a Phenylacetamide Ago-Allosteric Modulator. Molecular Pharmacology, 2011, 80, 163-173.	1.0	78
100	Domain Swapping in the Human Histamine H1 Receptor. Journal of Pharmacology and Experimental Therapeutics, 2004, 311, 131-138.	1.3	77
101	Up-regulation of the Angiotensin II Type 1 Receptor by the MAS Proto-oncogene Is Due to Constitutive Activation of Gq/G11 by MAS. Journal of Biological Chemistry, 2006, 281, 16757-16767.	1.6	77
102	Uncovering the Pharmacology of the G Protein-Coupled Receptor GPR40: High Apparent Constitutive Activity in Guanosine 5â€²-O-(3-[35S]thio)triphosphate Binding Studies Reflects Binding of an Endogenous Agonist. Molecular Pharmacology, 2007, 71, 994-1005.	1.0	77
103	FFA4/GPR120: Pharmacology and Therapeutic Opportunities. Trends in Pharmacological Sciences, 2017, 38, 809-821.	4.0	77
104	Interactions of the Î±2A-adrenoceptor with multiple Gi-family G-proteins: studies with pertussis toxin-resistant G-protein mutants. Biochemical Journal, 1997, 321, 721-728.	1.7	76
105	CXCR2 chemokine receptor antagonism enhances DOP opioid receptor function via allosteric regulation of the CXCR2â€“DOP receptor heterodimer. Biochemical Journal, 2008, 412, 245-256.	1.7	76
106	Histamine receptor H1 is required for TCR-mediated p38 MAPK activation and optimal IFN-Î³ production in mice. Journal of Clinical Investigation, 2007, 117, 3507-3518.	3.9	76
107	The G Protein Î± Subunit Has a Key Role in Determining the Specificity of Coupling to, but Not the Activation of, G Protein-gated Inwardly Rectifying K+ Channels. Journal of Biological Chemistry, 2000, 275, 921-929.	1.6	75
108	Chemically engineering ligand selectivity at the free fatty acid receptor 2 based on pharmacological variation between species orthologs. FASEB Journal, 2012, 26, 4951-4965.	0.2	75

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109	Interactions between the Mas-Related Receptors MrgD and MrgE Alter Signalling and Trafficking of MrgD. Molecular Pharmacology, 2006, 69, 479-491.	1.0	74
110	The Action and Mode of Binding of Thiazolidinedione Ligands at Free Fatty Acid Receptor 1. Journal of Biological Chemistry, 2009, 284, 17527-17539.	1.6	74
111	GPCR-OKB: the G Protein Coupled Receptor Oligomer Knowledge Base. Bioinformatics, 2010, 26, 1804-1805.	1.8	74
112	Insulin activates glycerol-3-phosphate acyltransferase (de novo phosphatidic acid synthesis) through a phospholipid-derived mediator. Apparent involvement of Gi.alpha. and activation of a phospholipase C. Biochemistry, 1990, 29, 8735-8740.	1.2	73
113	Modulation of SF1 Neuron Activity Coordinately Regulates Both Feeding Behavior and Associated Emotional States. Cell Reports, 2017, 21, 3559-3572.	2.9	73
114	Ligand regulation of green fluorescent protein-tagged forms of the human Î²1 - and Î²2 -adrenoceptors; comparisons with the unmodified receptors. British Journal of Pharmacology, 2000, 130, 1825-1832.	2.7	72
115	High-content assays for ligand regulation of G-protein-coupled receptors. Drug Discovery Today, 2003, 8, 579-585.	3.2	72
116	The sustainability of interactions between the orexin-1 receptor and Î²-arrestin-2 is defined by a single C-terminal cluster of hydroxy amino acids and modulates the kinetics of ERK MAPK regulation. Biochemical Journal, 2005, 387, 573-584.	1.7	72
117	The muscarinic M3 acetylcholine receptor exists as two differently sized complexes at the plasma membrane. Biochemical Journal, 2013, 452, 303-312.	1.7	72
118	G-proteins and G-protein subunits mediating cholinergic inhibition of N-type calcium currents in sympathetic neurons. European Journal of Neuroscience, 1998, 10, 1654-1666.	1.2	71
119	Robustness of G Proteins in Alzheimer's Disease: An Immunoblot Study. Journal of Neurochemistry, 1991, 57, 9-14.	2.1	70
120	Visualizing differences in ligand-induced Î²-arrestin-GFP interactions and trafficking between three recently characterized Gâ€ƒprotein-coupled receptors. Journal of Neurochemistry, 2001, 77, 476-485.	2.1	70
121	G protein-coupled receptor 35: an emerging target in inflammatory and cardiovascular disease. Frontiers in Pharmacology, 2015, 6, 41.	1.6	70
122	Palmitoylation Regulates Regulators of G-protein Signaling (RGS) 16 Function. Journal of Biological Chemistry, 2003, 278, 19301-19308.	1.6	69
123	Up-regulation of the levels of expression and function of a constitutively active mutant of the hamster Î±1B-adrenoceptor by ligands that act as inverse agonists. Biochemical Journal, 1997, 325, 733-739.	1.7	68
124	Agonist-Induced Endocytosis and Recycling of the Gonadotropin-Releasing Hormone Receptor: Effect of Â-Arrestin on Internalization Kinetics. Molecular Endocrinology, 1998, 12, 1818-1829.	3.7	68
125	A Novel Allosteric Activator of Free Fatty Acid 2 Receptor Displays Unique Gi-functional Bias. Journal of Biological Chemistry, 2016, 291, 18915-18931.	1.6	66
126	High-Affinity Interactions between Human Î±1A-Adrenoceptor C-Terminal Splice Variants Produce Homo- and Heterodimers but Do Not Generate the Î±1L-Adrenoceptor. Molecular Pharmacology, 2004, 66, 228-239.	1.0	65

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127	G protein-coupled receptors for free fatty acids. Cellular Signalling, 2006, 18, 1360-1365.	1.7	65
128	The sphingosine-1-phosphate receptor-1 antagonist, W146, causes early and short-lasting peripheral blood lymphopenia in mice. International Immunopharmacology, 2011, 11, 1773-1779.	1.7	64
129	Agonist control of G-protein levels. Trends in Pharmacological Sciences, 1991, 12, 207-209.	4.0	63
130	Protean Agonism at the Dopamine D2 Receptor: (S)-3-(3-Hydroxyphenyl)-N-propylpiperidine Is an Agonist for Activation of Go1 but an Antagonist/Inverse Agonist for Gi1,Gi2, and Gi3. Molecular Pharmacology, 2007, 71, 1349-1359.	1.0	63
131	Comparative Analysis of the Efficacy of A1Adenosine Receptor Activation of Gi/oÎ± G Proteins following Coexpression of Receptor and G Protein and Expression of A1Adenosine Receptorâ"Gi/oÎ± Fusion Proteinsâ€. Biochemistry, 1999, 38, 2272-2278.	1.2	62
132	The Regulator of G Protein Signaling RGS4 Selectively Enhances Î±2A-Adreoreceptor Stimulation of the GTPase Activity of Go1Î± and Gi2Î±. Journal of Biological Chemistry, 2000, 275, 23693-23699.	1.6	62
133	Exploring the dynamics of regulation of G protein-coupled receptors using green fluorescent protein. British Journal of Pharmacology, 1999, 128, 501-510.	2.7	61
134	Multiple Roles for the C-terminal Tail of the Chemokine Scavenger D6. Journal of Biological Chemistry, 2008, 283, 7972-7982.	1.6	61
135	Evidence for Distinct Antagonist-Revealed Functional States of 5-Hydroxytryptamine_{2A}Receptor Homodimers. Molecular Pharmacology, 2009, 75, 1380-1391.	1.0	60
136	The Molecular Basis of Ligand Interaction at Free Fatty Acid Receptor 4 (FFA4/GPR120). Journal of Biological Chemistry, 2014, 289, 20345-20358.	1.6	60
137	Widespread distribution of GqÎ±/GllÎ± detected immunologically by an antipeptide antiserum directed against the predicted C-terminal decapeptide. FEBS Letters, 1991, 287, 171-174.	1.3	59
138	Agonism and allosterism: the pharmacology of the free fatty acid receptors FFA2 and FFA3. British Journal of Pharmacology, 2009, 158, 146-153.	2.7	59
139	Agonist activation of the G proteinâ€coupled receptor GPR35 involves transmembrane domain III and is transduced via GÎ±₁₃ and Î²â€arrestinâ€2. British Journal of Pharmacology, 2011, 162, 733-748.	2.7	59
140	Agonist Occupation of an Î±2A-Adrenoreceptor-Gi1Î± Fusion Protein Results in Activation of Both Receptor-linked and Endogenous Gi Proteins. Journal of Biological Chemistry, 1998, 273, 10367-10375.	1.6	58
141	A Highly Conserved Glycine within Linker I and the Extreme C Terminus of G Protein Î± Subunits Interact Cooperatively in Switching G Protein-Coupled Receptor-to-Effector Specificity. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 78-87.	1.3	58
142	Discovery of TUG-770: A Highly Potent Free Fatty Acid Receptor 1 (FFA1/GPR40) Agonist for Treatment of Type 2 Diabetes. ACS Medicinal Chemistry Letters, 2013, 4, 441-445.	1.3	58
143	Complex Pharmacology of Novel Allosteric Free Fatty Acid 3 Receptor Ligands. Molecular Pharmacology, 2014, 86, 200-210.	1.0	58
144	Real Time Visualization of Agonist-mediated Redistribution and Internalization of a Green Fluorescent Protein-tagged Form of the Thyrotropin-releasing Hormone Receptor. Journal of Biological Chemistry, 1998, 273, 24000-24008.	1.6	57

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145	Î²Î³ dimers derived from Goand Giproteins contribute different components of adrenergic inhibition of Ca2+channels in rat sympathetic neurones. Journal of Physiology, 1999, 518, 23-36.	1.3	57
146	G Protein Coupling and Ligand Selectivity of the D_{2L}and D₃Dopamine Receptors. Journal of Pharmacology and Experimental Therapeutics, 2008, 325, 319-330.	1.3	57
147	When simple agonism is not enough: Emerging modalities of GPCR ligands. Molecular and Cellular Endocrinology, 2011, 331, 241-247.	1.6	57
148	Concomitant Action of Structural Elements and Receptor Phosphorylation Determines Arrestin-3 Interaction with the Free Fatty Acid Receptor FFA4. Journal of Biological Chemistry, 2014, 289, 18451-18465.	1.6	57
149	Using the Flp-Inâ„¢ T-Rexâ„¢ System to Regulate GPCR Expression. Methods in Molecular Biology, 2011, 746, 21-37.	0.4	56
150	Developing Chemical Genetic Approaches to Explore G Protein-Coupled Receptor Function: Validation of the Use of a Receptor Activated Solely by Synthetic Ligand (RASSL). Molecular Pharmacology, 2011, 80, 1033-1046.	1.0	56
151	Regulation of Oligomeric Organization of the Serotonin 5-Hydroxytryptamine 2C (5-HT2C) Receptor Observed by Spatial Intensity Distribution Analysis. Journal of Biological Chemistry, 2015, 290, 12844-12857.	1.6	55
152	Regional Distribution and Quantitative Measurement of the Phosphoinositidase C-Linked Guanine Nucleotide Binding Proteins G1? and Gq? in Rat Brain. Journal of Neurochemistry, 1993, 61, 845-851.	2.1	54
153	Orthologue selectivity and ligand bias: translating the pharmacology of GPR35. Trends in Pharmacological Sciences, 2011, 32, 317-325.	4.0	54
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