

Richard Neubig

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416
ext. papers

12,367
ext. citations

5.6
avg, IF

6.13
L-index

#	Paper	IF	Citations
258	International Union of Pharmacology Committee on Receptor Nomenclature and Drug Classification. XXXVIII. Update on terms and symbols in quantitative pharmacology. <i>Pharmacological Reviews</i> , 2003 , 55, 597-606	22.5	430
257	International Union of Pharmacology. XLVI. G protein-coupled receptor list. <i>Pharmacological Reviews</i> , 2005 , 57, 279-88	22.5	401
256	Phagocyte-derived catecholamines enhance acute inflammatory injury. <i>Nature</i> , 2007 , 449, 721-5	50.4	332
255	Membrane organization in G-protein mechanisms. <i>FASEB Journal</i> , 1994 , 8, 939-46	0.9	326
254	Regulators of G-protein signalling as new central nervous system drug targets. <i>Nature Reviews Drug Discovery</i> , 2002 , 1, 187-97	64.1	325
253	Acetylcholine and local anesthetic binding to Torpedo nicotinic postsynaptic membranes after removal of nonreceptor peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1979 , 76, 690-4	11.5	317
252	The highly conserved DRY motif of class A G protein-coupled receptors: beyond the ground state. <i>Molecular Pharmacology</i> , 2007 , 71, 959-64	4.3	268
251	International Union of Basic and Clinical Pharmacology. LXVII. Recommendations for the recognition and nomenclature of G protein-coupled receptor heteromultimers. <i>Pharmacological Reviews</i> , 2007 , 59, 5-13	22.5	255
250	International Union of Basic and Clinical Pharmacology. LXXXVIII. G protein-coupled receptor list: recommendations for new pairings with cognate ligands. <i>Pharmacological Reviews</i> , 2013 , 65, 967-86	22.5	197
249	International Union of Pharmacology. LVI. Ghrelin receptor nomenclature, distribution, and function. <i>Pharmacological Reviews</i> , 2005 , 57, 541-6	22.5	191
248	IUPHAR-DB: the IUPHAR database of G protein-coupled receptors and ion channels. <i>Nucleic Acids Research</i> , 2009 , 37, D680-5	20.1	176
247	Structure of Galphaq-p63RhoGEF-RhoA complex reveals a pathway for the activation of RhoA by GPCRs. <i>Science</i> , 2007 , 318, 1923-7	33.3	173
246	CCG-1423: a small-molecule inhibitor of RhoA transcriptional signaling. <i>Molecular Cancer Therapeutics</i> , 2007 , 6, 2249-60	6.1	162
245	International Union of Basic and Clinical Pharmacology. XC. multisite pharmacology: recommendations for the nomenclature of receptor allosterism and allosteric ligands. <i>Pharmacological Reviews</i> , 2014 , 66, 918-47	22.5	156
244	Regulator of G protein signaling proteins: novel multifunctional drug targets. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2001 , 297, 837-45	4.7	147
243	A point mutation in Galphao and Galphai1 blocks interaction with regulator of G protein signaling proteins. <i>Journal of Biological Chemistry</i> , 1998 , 273, 12794-7	5.4	140
242	Conformations of Torpedo acetylcholine receptor associated with ion transport and desensitization. <i>Biochemistry</i> , 1982 , 21, 3460-7	3.2	134

241	Small molecule protein-protein interaction inhibitors as CNS therapeutic agents: current progress and future hurdles. <i>Neuropsychopharmacology</i> , 2009 , 34, 126-41	8.7	133
240	M4 Muscarinic Receptor Signaling Ameliorates Striatal Plasticity Deficits in Models of L-DOPA-Induced Dyskinesia. <i>Neuron</i> , 2015 , 88, 762-73	13.9	129
239	Immunofluorescence localization at the mammalian neuromuscular junction of the Mr 43,000 protein of Torpedo postsynaptic membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1981 , 78, 5230-4	11.5	127
238	AT1 receptor mutant lacking heterotrimeric G protein coupling activates the Src-Ras-ERK pathway without nuclear translocation of ERKs. <i>Journal of Biological Chemistry</i> , 2002 , 277, 9268-77	5.4	121
237	Novel Rho/MRTF/SRF inhibitors block matrix-stiffness and TGF- β -induced fibrogenesis in human colonic myofibroblasts. <i>Inflammatory Bowel Diseases</i> , 2014 , 20, 154-65	4.5	119
236	Identification of small-molecule inhibitors of RGS4 using a high-throughput flow cytometry protein interaction assay. <i>Molecular Pharmacology</i> , 2007 , 71, 169-75	4.3	114
235	Redox modification of nuclear actin by MICAL-2 regulates SRF signaling. <i>Cell</i> , 2014 , 156, 563-76	56.2	113
234	Fluorescent BODIPY-GTP analogs: real-time measurement of nucleotide binding to G proteins. <i>Analytical Biochemistry</i> , 2001 , 291, 109-17	3.1	111
233	Inhibition of myocardin-related transcription factor/serum response factor signaling decreases lung fibrosis and promotes mesenchymal cell apoptosis. <i>American Journal of Pathology</i> , 2015 , 185, 969-86	5.8	108
232	A spatial focusing model for G protein signals. Regulator of G protein signaling (RGS) protein-mediated kinetic scaffolding. <i>Journal of Biological Chemistry</i> , 2003 , 278, 7278-84	5.4	107
231	Receptor-selective effects of endogenous RGS3 and RGS5 to regulate mitogen-activated protein kinase activation in rat vascular smooth muscle cells. <i>Journal of Biological Chemistry</i> , 2002 , 277, 24949-58	5.4	106
230	Guanine nucleotide effects on catecholamine secretion from digitonin-permeabilized adrenal chromaffin cells. <i>Journal of Biological Chemistry</i> , 1986 , 261, 10182-8	5.4	100
229	Mechanism of agonist and antagonist binding to alpha 2 adrenergic receptors: evidence for a precoupled receptor-guanine nucleotide protein complex. <i>Biochemistry</i> , 1988 , 27, 2374-84	3.2	94
228	Guanine nucleotide effects on catecholamine secretion from digitonin-permeabilized adrenal chromaffin cells. <i>Journal of Biological Chemistry</i> , 1986 , 261, 10182-10188	5.4	86
227	Novel form of crosstalk between G protein and tyrosine kinase pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 5417-21	11.5	85
226	Endogenous RGS protein action modulates mu-opioid signaling through Galphao. Effects on adenylyl cyclase, extracellular signal-regulated kinases, and intracellular calcium pathways. <i>Journal of Biological Chemistry</i> , 2003 , 278, 9418-25	5.4	85
225	Receptor and membrane interaction sites on Gbeta. A receptor-derived peptide binds to the carboxyl terminus. <i>Journal of Biological Chemistry</i> , 1996 , 271, 3336-9	5.4	81
224	Regulators of G protein signaling & drugs of abuse. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2005 , 5, 30-41		81

223	Binding of an alpha 2 adrenergic receptor third intracellular loop peptide to G beta and the amino terminus of G alpha. <i>Journal of Biological Chemistry</i> , 1994 , 269, 27618-27624	5.4	81
222	Targeting the myofibroblast genetic switch: inhibitors of myocardin-related transcription factor/serum response factor-regulated gene transcription prevent fibrosis in a murine model of skin injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014 , 349, 480-6	4.7	80
221	Endogenous RGS proteins and Galpha subtypes differentially control muscarinic and adenosine-mediated chronotropic effects. <i>Circulation Research</i> , 2006 , 98, 659-66	15.7	80
220	The novel alpha-2 adrenergic radioligand [3H]-MK912 is alpha-2C selective among human alpha-2A, alpha-2B and alpha-2C adrenoceptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1994 , 271, 1558-65	4.7	80
219	N-terminal residues control proteasomal degradation of RGS2, RGS4, and RGS5 in human embryonic kidney 293 cells. <i>Molecular Pharmacology</i> , 2007 , 71, 1040-50	4.3	79
218	Rapid kinetics of regulator of G-protein signaling (RGS)-mediated Galphai and Galphao deactivation. Galpha specificity of RGS4 AND RGS7. <i>Journal of Biological Chemistry</i> , 2000 , 275, 33497-503	5.4	78
217	Binding of an alpha 2 adrenergic receptor third intracellular loop peptide to G beta and the amino terminus of G alpha. <i>Journal of Biological Chemistry</i> , 1994 , 269, 27618-24	5.4	77
216	Regulators of G protein signaling proteins as targets for drug discovery. <i>Progress in Molecular Biology and Translational Science</i> , 2010 , 91, 81-119	4	76
215	Pleiotropic phenotype of a genomic knock-in of an RGS-insensitive G184S Gnai2 allele. <i>Molecular and Cellular Biology</i> , 2006 , 26, 6870-9	4.8	73
214	GPCR-OKB: the G Protein Coupled Receptor Oligomer Knowledge Base. <i>Bioinformatics</i> , 2010 , 26, 1804-57.2		71
213	Two peptides from the alpha 2A-adrenergic receptor alter receptor G protein coupling by distinct mechanisms. <i>Journal of Biological Chemistry</i> , 1991 , 266, 11025-9	5.4	70
212	Inverse agonist activity of agouti and agouti-related protein. <i>Peptides</i> , 2003 , 24, 603-9	3.8	68
211	Reversible, allosteric small-molecule inhibitors of regulator of G protein signaling proteins. <i>Molecular Pharmacology</i> , 2010 , 78, 524-33	4.3	65
210	Determinants of gi1alpha and beta gamma binding. Measuring high affinity interactions in a lipid environment using flow cytometry. <i>Journal of Biological Chemistry</i> , 1998 , 273, 7934-40	5.4	65
209	Thinking outside of the "RGS box": new approaches to therapeutic targeting of regulators of G protein signaling. <i>Molecular Pharmacology</i> , 2010 , 78, 550-7	4.3	63
208	G(i) activator region of alpha(2A)-adrenergic receptors: distinct basic residues mediate G(i) versus G(s) activation. <i>Molecular Pharmacology</i> , 1999 , 56, 1005-13	4.3	62
207	Thrombin and lysophosphatidic acid receptors utilize distinct rhoGEFs in prostate cancer cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 28831-4	5.4	61
206	Stimulation of cellular signaling and G protein subunit dissociation by G protein betagamma subunit-binding peptides. <i>Journal of Biological Chemistry</i> , 2003 , 278, 19634-41	5.4	61

205	Walker A lysine mutations of TAP1 and TAP2 interfere with peptide translocation but not peptide binding. <i>Journal of Biological Chemistry</i> , 2001 , 276, 7526-33	5.4	61
204	Multiple Gi protein subtypes regulate a single effector mechanism. <i>Molecular Pharmacology</i> , 1991 , 40, 707-11	4.3	58
203	RGS inhibition at G(alpha)i2 selectively potentiates 5-HT1A-mediated antidepressant effects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 11086-91	11.5	56
202	A juxtamembrane mutation in the N terminus of the dopamine transporter induces preference for an inward-facing conformation. <i>Molecular Pharmacology</i> , 2009 , 75, 514-24	4.3	56
201	Agonist and antagonist binding to alpha 2-adrenergic receptors in purified membranes from human platelets. Implications of receptor-inhibitory nucleotide-binding protein stoichiometry. <i>Molecular Pharmacology</i> , 1985 , 28, 475-86	4.3	56
200	Membrane reconstitution of high-affinity alpha 2 adrenergic agonist binding with guanine nucleotide regulatory proteins. <i>Biochemistry</i> , 1987 , 26, 3664-72	3.2	53
199	Cellular mechanisms of tissue fibrosis. 8. Current and future drug targets in fibrosis: focus on Rho GTPase-regulated gene transcription. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 307, C2-13	5.4	52
198	Nonadrenergic [3H]idazoxan binding sites are physically distinct from alpha 2-adrenergic receptors. <i>Molecular Pharmacology</i> , 1990 , 37, 65-8	4.3	52
197	Design, synthesis and prostate cancer cell-based studies of analogs of the Rho/MKL1 transcriptional pathway inhibitor, CCG-1423. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 665-72	2.9	50
196	A nanomolar-potency small molecule inhibitor of regulator of G-protein signaling proteins. <i>Biochemistry</i> , 2011 , 50, 3181-92	3.2	49
195	RGS/Gi2alpha interactions modulate platelet accumulation and thrombus formation at sites of vascular injury. <i>Blood</i> , 2010 , 116, 6092-100	2.2	49
194	Compartmentation of receptors and guanine nucleotide-binding proteins in NG108-15 cells: lack of cross-talk in agonist binding among the alpha 2-adrenergic, muscarinic, and opiate receptors. <i>Molecular Pharmacology</i> , 1993 , 43, 434-43	4.3	49
193	Optimization of novel nipecotic bis(amide) inhibitors of the Rho/MKL1/SRF transcriptional pathway as potential anti-metastasis agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 3826-32	2.9	48
192	Detection of G protein-selective G protein-coupled receptor (GPCR) conformations in live cells. <i>Journal of Biological Chemistry</i> , 2013 , 288, 17167-78	5.4	48
191	RGS-insensitive G-protein mutations to study the role of endogenous RGS proteins. <i>Methods in Enzymology</i> , 2004 , 389, 229-43	1.7	48
190	A newly identified complex of spinophilin and the tyrosine phosphatase, SHP-1, modulates platelet activation by regulating G protein-dependent signaling. <i>Blood</i> , 2012 , 119, 1935-45	2.2	47
189	Mutagenesis and peptide analysis of the DRY motif in the alpha2A adrenergic receptor: evidence for alternate mechanisms in G protein-coupled receptors. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 293, 1233-41	3.4	47
188	Inverse agonist activity at the alpha(2A)-adrenergic receptor. <i>Molecular Pharmacology</i> , 2001 , 59, 532-42	4.3	47

187	Agonist-directed trafficking of porcine alpha(2A)-adrenergic receptor signaling in Chinese hamster ovary cells: l-isoproterenol selectively activates G(s). <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2000 , 294, 539-47	4.7	47
186	Receptor-G protein gamma specificity: gamma11 shows unique potency for A(1) adenosine and 5-HT(1A) receptors. <i>Biochemistry</i> , 2001 , 40, 10532-41	3.2	46
185	Fluorescent guanine nucleotide analogs and G protein activation. <i>Journal of Biological Chemistry</i> , 1994 , 269, 13771-8	5.4	46
184	Movement disorder in encephalopathy associated with gain-of-function mutations. <i>Neurology</i> , 2017 , 89, 762-770	6.5	45
183	Molecular cloning and characterization of a novel regulator of G-protein signaling from mouse hematopoietic stem cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 915-23	5.4	45
182	Timing is everything the role of kinetics in G protein activation. <i>Life Sciences</i> , 2000 , 68, 647-58	6.8	45
181	International Union of Pharmacology. LXXII. Recommendations for trace amine receptor nomenclature. <i>Pharmacological Reviews</i> , 2009 , 61, 1-8	22.5	44
180	Galanin receptor 1 has anti-proliferative effects in oral squamous cell carcinoma. <i>Journal of Biological Chemistry</i> , 2005 , 280, 22564-71	5.4	44
179	RAC1 Induces a Mesenchymal Phenotypic Switch via Serum Response Factor to Promote Melanoma Development and Therapy Resistance. <i>Cancer Cell</i> , 2019 , 36, 68-83.e9	24.3	43
178	Assembly of high order G alpha q-effector complexes with RGS proteins. <i>Journal of Biological Chemistry</i> , 2008 , 283, 34923-34	5.4	43
177	Receptor-antagonist interactions in the complexes of agouti and agouti-related protein with human melanocortin 1 and 4 receptors. <i>Biochemistry</i> , 2005 , 44, 3418-31	3.2	43
176	Local delivery of novel MRTF/SRF inhibitors prevents scar tissue formation in a preclinical model of fibrosis. <i>Scientific Reports</i> , 2017 , 7, 518	4.9	41
175	Resistance to diet-induced obesity and improved insulin sensitivity in mice with a regulator of G protein signaling-insensitive G184S Gnai2 allele. <i>Diabetes</i> , 2008 , 57, 77-85	0.9	41
174	Complementary cell-based high-throughput screens identify novel modulators of the unfolded protein response. <i>Journal of Biomolecular Screening</i> , 2011 , 16, 825-35		40
173	Small Molecule Inhibitors of Regulator of G Protein Signalling (RGS) Proteins. <i>ACS Medicinal Chemistry Letters</i> , 2012 , 3, 146-150	4.3	39
172	Endogenous RGS proteins modulate SA and AV nodal functions in isolated heart: implications for sick sinus syndrome and AV block. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H2532-9	5.2	39
171	NMR structure of the second intracellular loop of the alpha 2A adrenergic receptor: evidence for a novel cytoplasmic helix. <i>Biochemistry</i> , 2002 , 41, 3596-604	3.2	39
170	High-throughput screening for small-molecule inhibitors of LARG-stimulated RhoA nucleotide binding via a novel fluorescence polarization assay. <i>Journal of Biomolecular Screening</i> , 2009 , 14, 161-72		38

169	Allosteric inhibition of the regulator of G protein signaling-Galpa protein-protein interaction by CCG-4986. <i>Molecular Pharmacology</i> , 2010 , 78, 360-5	4.3	37
168	Phase-locked signals elucidate circuit architecture of an oscillatory pathway. <i>PLoS Computational Biology</i> , 2010 , 6, e1001040	5	37
167	Interdomain interactions regulate GDP release from heterotrimeric G proteins. <i>Biochemistry</i> , 1999 , 38, 13795-800	3.2	37
166	Peptides as probes for G protein signal transduction. <i>Cellular Signalling</i> , 1994 , 6, 841-9	4.9	37
165	Polyplexed flow cytometry protein interaction assay: a novel high-throughput screening paradigm for RGS protein inhibitors. <i>Journal of Biomolecular Screening</i> , 2009 , 14, 610-9		36
164	Increased CD39 nucleotidase activity on microparticles from patients with idiopathic pulmonary arterial hypertension. <i>PLoS ONE</i> , 2012 , 7, e40829	3.7	36
163	Endogenous regulator of G protein signaling proteins suppress Galphao-dependent, mu-opioid agonist-mediated adenylyl cyclase supersensitization. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 310, 215-22	4.7	35
162	Ligand-receptor-G-protein molecular assemblies on beads for mechanistic studies and screening by flow cytometry. <i>Molecular Pharmacology</i> , 2003 , 64, 1227-38	4.3	35
161	Selectivity and anti-Parkinson potential of thiadiazolidinone RGS4 inhibitors. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 911-9	5.7	34
160	MScreen: an integrated compound management and high-throughput screening data storage and analysis system. <i>Journal of Biomolecular Screening</i> , 2012 , 17, 1080-7		34
159	Regulators of G protein signaling (RGS proteins): novel central nervous system drug targets. <i>Chemical Biology and Drug Design</i> , 2002 , 60, 312-6		34
158	Detection of G proteins by affinity probe capillary electrophoresis using a fluorescently labeled GTP analogue. <i>Analytical Chemistry</i> , 2003 , 75, 4297-304	7.8	34
157	Real-time detection of basal and stimulated G protein GTPase activity using fluorescent GTP analogues. <i>Journal of Biological Chemistry</i> , 2005 , 280, 7712-9	5.4	34
156	Analysis of guanine nucleotide binding and exchange kinetics of the Escherichia coli GTPase Era. <i>Journal of Bacteriology</i> , 2000 , 182, 3460-6	3.5	34
155	Inhibition of adenylate cyclase is mediated by the high affinity conformation of the alpha 2-adrenergic receptor. <i>Molecular Pharmacology</i> , 1988 , 34, 814-22	4.3	34
154	Structural requirements for G(o) activation by receptor-derived peptides: activation and modulation domains of the alpha 2-adrenergic receptor i3c region. <i>Molecular Pharmacology</i> , 1996 , 50, 351-8	4.3	34
153	Effect of circulating epinephrine on platelet function and hematocrit. <i>Hypertension</i> , 1995 , 25, 1096-105	8.5	31
152	Conformational dynamics of a regulator of G-protein signaling protein reveals a mechanism of allosteric inhibition by a small molecule. <i>ACS Chemical Biology</i> , 2013 , 8, 2778-84	4.9	30

151	Real-time analysis of G protein-coupled receptor reconstitution in a solubilized system. <i>Journal of Biological Chemistry</i> , 2001 , 276, 22453-60	5.4	30
150	Gain-of-function mutation in Gnao1: a murine model of epileptiform encephalopathy (EIEE17)? <i>Mammalian Genome</i> , 2014 , 25, 202-10	3.2	29
149	A mechanistic review on GNAO1-associated movement disorder. <i>Neurobiology of Disease</i> , 2018 , 116, 131-141	7.5	29
148	The loss of RGS protein-Gβ2 interactions results in markedly impaired mouse neutrophil trafficking to inflammatory sites. <i>Molecular and Cellular Biology</i> , 2012 , 32, 4561-71	4.8	28
147	Lateral mobility of tetramethylrhodamine (TMR) labelled G protein alpha and beta gamma subunits in NG 108-15 cells. <i>Cellular Signalling</i> , 1994 , 6, 663-79	4.9	28
146	Structure-based design, synthesis, and pharmacologic evaluation of peptide RGS4 inhibitors. <i>Chemical Biology and Drug Design</i> , 2004 , 63, 141-6		27
145	Partial G protein activation by fluorescent guanine nucleotide analogs. Evidence for a triphosphate-bound but inactive state. <i>Journal of Biological Chemistry</i> , 1996 , 271, 4791-7	5.4	27
144	Pharmacokinetic optimization of CCG-203971: Novel inhibitors of the Rho/MRTF/SRF transcriptional pathway as potential antifibrotic therapeutics for systemic scleroderma. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 1744-1749	2.9	26
143	Induction of the matricellular protein CCN1 through RhoA and MRTF-A contributes to ischemic cardioprotection. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 75, 152-61	5.8	26
142	Differential modulation of mu-opioid receptor signaling to adenylyl cyclase by regulators of G protein signaling proteins 4 or 8 and 7 in permeabilised C6 cells is Galpha subtype dependent. <i>Journal of Neurochemistry</i> , 2010 , 112, 1026-34	6	26
141	Regions in the G protein gamma subunit important for interaction with receptors and effectors. <i>Molecular Pharmacology</i> , 2006 , 69, 877-87	4.3	26
140	Mechanism of action and structural requirements of constrained peptide inhibitors of RGS proteins. <i>Chemical Biology and Drug Design</i> , 2006 , 67, 266-74	2.9	26
139	Real-time analysis of ternary complex on particles: direct evidence for partial agonism at the agonist-receptor-G protein complex assembly step of signal transduction. <i>Journal of Biological Chemistry</i> , 2004 , 279, 13514-21	5.4	26
138	Coupling efficacy and selectivity of the human mu-opioid receptor expressed as receptor-Galpha fusion proteins in Escherichia coli. <i>Journal of Neurochemistry</i> , 2000 , 75, 1190-9	6	26
137	Rapid kinetics of alpha 2-adrenergic inhibition of adenylyl cyclase. Evidence for a distal rate-limiting step. <i>Biochemistry</i> , 1989 , 28, 8778-86	3.2	26
136	Chemerin-induced arterial contraction is G- and calcium-dependent. <i>Vascular Pharmacology</i> , 2017 , 88, 30-41	5.9	25
135	Use of flow cytometric methods to quantify protein-protein interactions. <i>Current Protocols in Cytometry</i> , 2010 , Chapter 13, Unit 13.11.1-15	3.6	25
134	Fluorescence analysis of receptor-G protein interactions in cell membranes. <i>Biochemistry</i> , 2002 , 41, 12853-67	3.6	25

133	Role of signalling molecules in behaviours mediated by the μ opioid receptor agonist SNC80. <i>British Journal of Pharmacology</i> , 2018 , 175, 891-901	8.6	24
132	Differential control of opioid antinociception to thermal stimuli in a knock-in mouse expressing regulator of G-protein signaling-insensitive G_{β} protein. <i>Journal of Neuroscience</i> , 2013 , 33, 4369-77	6.6	24
131	Pharmacological Inhibition of Myocardin-related Transcription Factor Pathway Blocks Lung Metastases of RhoC-Overexpressing Melanoma. <i>Molecular Cancer Therapeutics</i> , 2017 , 16, 193-204	6.1	24
130	Regulator of G protein signaling protein suppression of Galphao protein-mediated α 2A adrenergic receptor inhibition of mouse hippocampal CA3 epileptiform activity. <i>Molecular Pharmacology</i> , 2009 , 75, 1222-30	4.3	24
129	Roles of G(o)alpha tryptophans in GTP hydrolysis, GDP release, and fluorescence signals. <i>Biochemistry</i> , 1998 , 37, 837-43	3.2	24
128	Analyzing binding data. <i>Current Protocols in Neuroscience</i> , 2010 , Chapter 7, Unit 7.5	2.7	23
127	Depicting a protein's two faces: GPCR classification by phylogenetic tree-based HMMs. <i>FEBS Letters</i> , 2003 , 554, 95-9	3.8	23
126	Selective inactivation of guanine-nucleotide-binding regulatory protein (G-protein) β and γ subunits by urea. <i>Biochemical Journal</i> , 2001 , 354, 337-344	3.8	22
125	Multisite interactions of receptors and G proteins: enhanced potency of dimeric receptor peptides in modifying G protein function. <i>Molecular Pharmacology</i> , 1994 , 45, 1191-7	4.3	22
124	5-Aryl-1,3,4-oxadiazol-2-ylthioalkanoic Acids: A Highly Potent New Class of Inhibitors of Rho/Myocardin-Related Transcription Factor (MRTF)/Serum Response Factor (SRF)-Mediated Gene Transcription as Potential Antifibrotic Agents for Scleroderma. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 4350-4369	8.3	21
123	Missing links: mechanisms of protean agonism. <i>Molecular Pharmacology</i> , 2007 , 71, 1200-2	4.3	21
122	Rapid kinetics of G protein subunit association: a rate-limiting conformational change?. <i>FEBS Letters</i> , 1994 , 355, 251-3	3.8	21
121	Pharmacologic reduction of sympathetic drive increases platelet α -2-receptor number. <i>Clinical Pharmacology and Therapeutics</i> , 1985 , 38, 519-24	6.1	21
120	Design and synthesis of tag-free photoprobes for the identification of the molecular target for CCG-1423, a novel inhibitor of the Rho/MKL1/SRF signaling pathway. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 966-73	2.5	20
119	A conserved hydrophobic surface of the LARG pleckstrin homology domain is critical for RhoA activation in cells. <i>Cellular Signalling</i> , 2009 , 21, 1569-78	4.9	20
118	Cardiotonic steroids stabilize regulator of G protein signaling 2 protein levels. <i>Molecular Pharmacology</i> , 2012 , 82, 500-9	4.3	20
117	Novel peptide ligands of RGS4 from a focused one-bead, one-compound library. <i>Chemical Biology and Drug Design</i> , 2008 , 72, 111-9	2.9	20
116	COVID-19-A Theory of Autoimmunity Against ACE-2 Explained. <i>Frontiers in Immunology</i> , 2021 , 12, 582166.4	16.4	20

115	Differential Protein Dynamics of Regulators of G-Protein Signaling: Role in Specificity of Small-Molecule Inhibitors. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3454-3460	16.4	19
114	Spermine in semen of male sea lamprey acts as a sex pheromone. <i>PLoS Biology</i> , 2019 , 17, e3000332	9.7	19
113	Synthesis and characterization of fluorescently labeled bovine brain G protein subunits. <i>Biochemistry</i> , 1993 , 32, 2401-8	3.2	19
112	Interpreting Hydrogen-Deuterium Exchange Events in Proteins Using Atomistic Simulations: Case Studies on Regulators of G-Protein Signaling Proteins. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 9314-9323	3.4	19
111	Reversible inhibitors of regulators of G-protein signaling identified in a high-throughput cell-based calcium signaling assay. <i>Cellular Signalling</i> , 2013 , 25, 2848-55	4.9	18
110	Band-pass processing in a GPCR signaling pathway selects for NFAT transcription factor activation. <i>Integrative Biology (United Kingdom)</i> , 2015 , 7, 1378-86	3.7	18
109	The hypertension-coronary heart disease dilemma: the catecholamine-blood platelet connection. <i>Journal of Hypertension</i> , 1989 , 7, 851-60	1.9	18
108	p-[125I]iodoclonidine is a partial agonist at the alpha 2-adrenergic receptor. <i>Molecular Pharmacology</i> , 1990 , 38, 214-21	4.3	18
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