Richard Neubig

List of Publications by Year
in descending order

265 papers	13,276 citations	22099 59 h-index	30010 103 g-index
416 all docs	416 docs citations	416 times ranked	12013 citing authors

#	Article	IF	Citations
1	International Union of Pharmacology Committee on Receptor Nomenclature and Drug Classification. XXXVIII. Update on Terms and Symbols in Quantitative Pharmacology. Pharmacological Reviews, 2003, 55, 597-606.	7.1	536
2	International Union of Pharmacology. XLVI. G Protein-Coupled Receptor List. Pharmacological Reviews, 2005, 57, 279-288.	7.1	452
3	Phagocyte-derived catecholamines enhance acute inflammatory injury. Nature, 2007, 449, 721-725.	13.7	396
4	Acetylcholine and local anesthetic binding to Torpedo nicotinic postsynaptic membranes after removal of nonreceptor peptides.. Proceedings of the National Academy of Sciences of the United States of America, 1979, 76, 690-694.	3.3	352
5	Regulators of G-Protein signalling as new central nervous system drug targets. Nature Reviews Drug Discovery, 2002, 1, 187-197.	21.5	351
6	Membrane organization in Gâ€protein mechanisms. FASEB Journal, 1994, 8, 939-946.	0.2	344
7	The Highly Conserved DRY Motif of Class A G Protein-Coupled Receptors: Beyond the Ground State. Molecular Pharmacology, 2007, 71, 959-964.	1.0	322
8	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
9	International Union of Basic and Clinical Pharmacology. LXXXVIII. G Protein-Coupled Receptor List: Recommendations for New Pairings with Cognate Ligands. Pharmacological Reviews, 2013, 65, 967-986.	7.1	250
10	International Union of Pharmacology. LVI. Ghrelin Receptor Nomenclature, Distribution, and Function. Pharmacological Reviews, 2005, 57, 541-546.	7.1	215
11	Structure of GÎ± _q -p63RhoGEF-RhoA Complex Reveals a Pathway for the Activation of RhoA by GPCRs. Science, 2007, 318, 1923-1927.	6.0	206
12	IUPHAR-DB: the IUPHAR database of G protein-coupled receptors and ion channels. Nucleic Acids Research, 2009, 37, D680-D685.	6.5	199
13	CCG-1423: a small-molecule inhibitor of RhoA transcriptional signaling. Molecular Cancer Therapeutics, 2007, 6, 2249-2260.	1.9	189
14	International Union of Basic and Clinical Pharmacology. XC. Multisite Pharmacology: Recommendations for the Nomenclature of Receptor Allosterism and Allosteric Ligands. Pharmacological Reviews, 2014, 66, 918-947.	7.1	189
15	M4 Muscarinic Receptor Signaling Ameliorates Striatal Plasticity Deficits in Models of L-DOPA-Induced Dyskinesia. Neuron, 2015, 88, 762-773.	3.8	183
16	Small Molecule Proteinâ€"Protein Interaction Inhibitors as CNS Therapeutic Agents: Current Progress and Future Hurdles. Neuropsychopharmacology, 2009, 34, 126-141.	2.8	164
17	Regulator of G protein signaling proteins: novel multifunctional drug targets. Journal of Pharmacology and Experimental Therapeutics, 2001, 297, 837-45.	1.3	156
18	Novel Rho/MRTF/SRF Inhibitors Block Matrix-stiffness and TGF-Î²â€"Induced Fibrogenesis in Human Colonic Myofibroblasts. Inflammatory Bowel Diseases, 2014, 20, 154-165.	0.9	155

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19	A Point Mutation in GÎ±o and GÎ±i1Blocks Interaction with Regulator of G Protein Signaling Proteins. Journal of Biological Chemistry, 1998, 273, 12794-12797.	1.6	152
20	Redox Modification of Nuclear Actin by MICAL-2 Regulates SRF Signaling. Cell, 2014, 156, 563-576.	13.5	142
21	Conformations of Torpedo acetylcholine receptor associated with ion transport and desensitization. Biochemistry, 1982, 21, 3460-3467.	1.2	141
22	Immunofluorescence localization at the mammalian neuromuscular junction of the Mr 43,000 protein of Torpedo postsynaptic membranes.. Proceedings of the National Academy of Sciences of the United States of America, 1981, 78, 5230-5234.	3.3	140
23	Inhibition of Myocardin-Related Transcription Factor/Serum Response Factor Signaling Decreases Lung Fibrosis and Promotes Mesenchymal Cell Apoptosis. American Journal of Pathology, 2015, 185, 969-986.	1.9	138
24	AT1 Receptor Mutant Lacking Heterotrimeric G Protein Coupling Activates the Src-Ras-ERK Pathway without Nuclear Translocation of ERKs. Journal of Biological Chemistry, 2002, 277, 9268-9277.	1.6	131
25	Fluorescent BODIPY-GTP Analogs: Real-Time Measurement of Nucleotide Binding to G Proteins. Analytical Biochemistry, 2001, 291, 109-117.	1.1	130
26	Identification of Small-Molecule Inhibitors of RGS4 Using a High-Throughput Flow Cytometry Protein Interaction Assay. Molecular Pharmacology, 2007, 71, 169-175.	1.0	123
27	A Spatial Focusing Model for G Protein Signals. Journal of Biological Chemistry, 2003, 278, 7278-7284.	1.6	121
28	Guanine nucleotide effects on catecholamine secretion from digitonin-permeabilized adrenal chromaffin cells.. Journal of Biological Chemistry, 1986, 261, 10182-10188.	1.6	120
29	Receptor-selective Effects of Endogenous RGS3 and RGS5 to Regulate Mitogen-activated Protein Kinase Activation in Rat Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 2002, 277, 24949-24958.	1.6	115
30	RAC1P29S Induces a Mesenchymal Phenotypic Switch via Serum Response Factor to Promote Melanoma Development and Therapy Resistance. Cancer Cell, 2019, 36, 68-83.e9.	7.7	104
31	Mechanism of agonist and antagonist binding to .alpha.2 adrenergic receptors: evidence for a precoupled receptor-guanine nucleotide protein complex. Biochemistry, 1988, 27, 2374-2384.	1.2	101
32	Guanine nucleotide effects on catecholamine secretion from digitonin-permeabilized adrenal chromaffin cells. Journal of Biological Chemistry, 1986, 261, 10182-8.	1.6	101
33	Novel form of crosstalk between G protein and tyrosine kinase pathways. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 5417-5421.	3.3	93
34	Receptor and Membrane Interaction Sites on GÎ². Journal of Biological Chemistry, 1996, 271, 3336-3339.	1.6	92
35	Endogenous RGS Protein Action Modulates Î¼-Opioid Signaling through GÎ±o. Journal of Biological Chemistry, 2003, 278, 9418-9425.	1.6	92
36	Targeting the Myofibroblast Genetic Switch: Inhibitors of Myocardin-Related Transcription Factor/Serum Response Factorâ€“Regulated Gene Transcription Prevent Fibrosis in a Murine Model of Skin Injury. Journal of Pharmacology and Experimental Therapeutics, 2014, 349, 480-486.	1.3	92

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37	Binding of an alpha 2 adrenergic receptor third intracellular loop peptide to G beta and the amino terminus of G alpha.. Journal of Biological Chemistry, 1994, 269, 27618-27624.	1.6	91
38	REGULATORs OF G PROTEIN SIGNALING & DRUGS OF ABUSE. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2005, 5, 30-41.	3.4	86
39	N-Terminal Residues Control Proteasomal Degradation of RGS2, RGS4, and RGS5 in Human Embryonic Kidney 293 Cells. Molecular Pharmacology, 2007, 71, 1040-1050.	1.0	84
40	Regulators of G Protein Signaling Proteins as Targets for Drug Discovery. Progress in Molecular Biology and Translational Science, 2010, 91, 81-119.	0.9	84
41	Rapid Kinetics of Regulator of G-protein Signaling (RGS)-mediated GÎ±i and GÎ±o Deactivation. Journal of Biological Chemistry, 2000, 275, 33497-33503.	1.6	83
42	Endogenous RGS Proteins and GÎ± Subtypes Differentially Control Muscarinic and Adenosine-Mediated Chronotropic Effects. Circulation Research, 2006, 98, 659-666.	2.0	83
43	The novel alpha-2 adrenergic radioligand [3H]-MK912 is alpha-2C selective among human alpha-2A, alpha-2B and alpha-2C adrenoceptors. Journal of Pharmacology and Experimental Therapeutics, 1994, 271, 1558-65.	1.3	81
44	Binding of an alpha 2 adrenergic receptor third intracellular loop peptide to G beta and the amino terminus of G alpha. Journal of Biological Chemistry, 1994, 269, 27618-24.	1.6	79
45	Inverse agonist activity of agouti and agouti-related protein. Peptides, 2003, 24, 603-609.	1.2	77
46	Pleiotropic Phenotype of a Genomic Knock-In of an RGS-Insensitive G184S Gnai2 Allele. Molecular and Cellular Biology, 2006, 26, 6870-6879.	1.1	75
47	GPCR-OKB: the G Protein Coupled Receptor Oligomer Knowledge Base. Bioinformatics, 2010, 26, 1804-1805.	1.8	74
48	Movement disorder in GNAO1 encephalopathy associated with gain-of-function mutations. Neurology, 2017, 89, 762-770.	1.5	73
49	Determinants of Gi1Î± and Î²Î³ Binding. Journal of Biological Chemistry, 1998, 273, 7934-7940.	1.6	71
50	Cellular Mechanisms of Tissue Fibrosis. 8. Current and future drug targets in fibrosis: focus on Rho GTPase-regulated gene transcription. American Journal of Physiology - Cell Physiology, 2014, 307, C2-C13.	2.1	71
51	Reversible, Allosteric Small-Molecule Inhibitors of Regulator of G Protein Signaling Proteins. Molecular Pharmacology, 2010, 78, 524-533.	1.0	70
52	Two peptides from the alpha 2A-adrenergic receptor alter receptor G protein coupling by distinct mechanisms. Journal of Biological Chemistry, 1991, 266, 11025-9.	1.6	70
53	Thinking Outside of the â€œRGS Boxâ€ New Approaches to Therapeutic Targeting of Regulators of G Protein Signaling: Fig. 1.. Molecular Pharmacology, 2010, 78, 550-557.	1.0	67
54	G_iActivator Region of Î±_{2A}-Adrenergic Receptors: Distinct Basic Residues Mediate G_iversus G_sActivation. Molecular Pharmacology, 1999, 56, 1005-1013.	1.0	66

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55	Walker A Lysine Mutations of TAP1 and TAP2 Interfere with Peptide Translocation but Not Peptide Binding. Journal of Biological Chemistry, 2001, 276, 7526-7533.	1.6	65
56	Thrombin and Lysophosphatidic Acid Receptors Utilize Distinct rhoGEFs in Prostate Cancer Cells. Journal of Biological Chemistry, 2004, 279, 28831-28834.	1.6	65
57	Stimulation of Cellular Signaling and G Protein Subunit Dissociation by G Protein Î²Î³ Subunit-binding Peptides. Journal of Biological Chemistry, 2003, 278, 19634-19641.	1.6	64
58	A mechanistic review on GNAO1-associated movement disorder. Neurobiology of Disease, 2018, 116, 131-141.	2.1	62
59	A Juxtamembrane Mutation in the N Terminus of the Dopamine Transporter Induces Preference for an Inward-Facing Conformation. Molecular Pharmacology, 2009, 75, 514-524.	1.0	61
60	Optimization of novel nipecotic bis(amide) inhibitors of the Rho/MKL1/SRF transcriptional pathway as potential anti-metastasis agents. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3826-3832.	1.0	61
61	Multiple Gi protein subtypes regulate a single effector mechanism. Molecular Pharmacology, 1991, 40, 707-11.	1.0	61
62	Design, synthesis and prostate cancer cell-based studies of analogs of the Rho/MKL1 transcriptional pathway inhibitor, CCG-1423. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 665-672.	1.0	60
63	RGS inhibition at GÎ± _{i2} selectively potentiates 5-HT1Aâ€“mediated antidepressant effects. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11086-11091.	3.3	60
64	Detection of G Protein-selective G Protein-coupled Receptor (GPCR) Conformations in Live Cells. Journal of Biological Chemistry, 2013, 288, 17167-17178.	1.6	60
65	A newly identified complex of spinophilin and the tyrosine phosphatase, SHP-1, modulates platelet activation by regulating G proteinâ€“dependent signaling. Blood, 2012, 119, 1935-1945.	0.6	57
66	Agonist and antagonist binding to alpha 2-adrenergic receptors in purified membranes from human platelets. Implications of receptor-inhibitory nucleotide-binding protein stoichiometry. Molecular Pharmacology, 1985, 28, 475-86.	1.0	57
67	Membrane reconstitution of high-affinity .alpha.2-adrenergic agonist binding with guanine nucleotide regulatory proteins. Biochemistry, 1987, 26, 3664-3672.	1.2	56
68	A Nanomolar-Potency Small Molecule Inhibitor of Regulator of G-Protein Signaling Proteins. Biochemistry, 2011, 50, 3181-3192.	1.2	55
69	Nonadrenergic [3H]idazoxan binding sites are physically distinct from alpha 2-adrenergic receptors. Molecular Pharmacology, 1990, 37, 65-8.	1.0	55
70	Mutagenesis and peptide analysis of the DRY motif in the Î±2A adrenergic receptor: evidence for alternate mechanisms in G protein-coupled receptors. Biochemical and Biophysical Research Communications, 2002, 293, 1233-1241.	1.0	52
71	RGS/Gi2Î± interactions modulate platelet accumulation and thrombus formation at sites of vascular injury. Blood, 2010, 116, 6092-6100.	0.6	52
72	Local delivery of novel MRTF/SRF inhibitors prevents scar tissue formation in a preclinical model of fibrosis. Scientific Reports, 2017, 7, 518.	1.6	52

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73	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. Molecular Pharmacology, 1993, 43, 434-43.	1.0	52
74	Timing is everything. Life Sciences, 2000, 68, 647-658.	2.0	51
75	Receptorâ˜G Protein Î³ Specificity:Â Î³11 Shows Unique Potency for A1Adenosine and 5-HT1AReceptorsâ€. Biochemistry, 2001, 40, 10532-10541.	1.2	51
76	Inverse Agonist Activity at the Î±_{2A}-Adrenergic Receptor. Molecular Pharmacology, 2001, 59, 532-542.	1.0	51
77	Molecular Cloning and Characterization of a Novel Regulator of G-protein Signaling from Mouse Hematopoietic Stem Cells. Journal of Biological Chemistry, 2001, 276, 915-923.	1.6	51
78	RGS-Insensitive G-Protein Mutations to Study the Role of Endogenous RGS Proteins. Methods in Enzymology, 2004, 389, 229-243.	0.4	51
79	Galanin Receptor 1 Has Anti-proliferative Effects in Oral Squamous Cell Carcinoma. Journal of Biological Chemistry, 2005, 280, 22564-22571.	1.6	51
80	Resistance to Diet-Induced Obesity and Improved Insulin Sensitivity in Mice With a Regulator of G Protein Signalingâ€“Insensitive G184S Gnai2 Allele. Diabetes, 2008, 57, 77-85.	0.3	50
81	Agonist-directed trafficking of porcine alpha(2A)-adrenergic receptor signaling in Chinese hamster ovary cells: l-isoproterenol selectively activates G(s). Journal of Pharmacology and Experimental Therapeutics, 2000, 294, 539-47.	1.3	50
82	International Union of Pharmacology. LXXII. Recommendations for Trace Amine Receptor Nomenclature. Pharmacological Reviews, 2009, 61, 1-8.	7.1	49
83	Receptorâ˜Antagonist Interactions in the Complexes of Agouti and Agouti-Related Protein with Human Melanocortin 1 and 4 Receptorsâ€,â€¡. Biochemistry, 2005, 44, 3418-3431.	1.2	47
84	Fluorescent guanine nucleotide analogs and G protein activation. Journal of Biological Chemistry, 1994, 269, 13771-8.	1.6	47
85	Assembly of High Order GÎ±q-Effector Complexes with RGS Proteins. Journal of Biological Chemistry, 2008, 283, 34923-34934.	1.6	46
86	Complementary Cell-Based High-Throughput Screens Identify Novel Modulators of the Unfolded Protein Response. Journal of Biomolecular Screening, 2011, 16, 825-835.	2.6	44
87	MScreen: An Integrated Compound Management and High-Throughput Screening Data Storage and Analysis System. Journal of Biomolecular Screening, 2012, 17, 1080-1087.	2.6	44
88	Increased CD39 Nucleotidase Activity on Microparticles from Patients with Idiopathic Pulmonary Arterial Hypertension. PLoS ONE, 2012, 7, e40829.	1.1	43
89	NMR Structure of the Second Intracellular Loop of the Î±2A Adrenergic Receptor:Â Evidence for a Novel Cytoplasmic Helixâ€,â€¡. Biochemistry, 2002, 41, 3596-3604.	1.2	42
90	Requirements and ontology for a G protein-coupled receptor oligomerization knowledge base. BMC Bioinformatics, 2007, 8, 177.	1.2	42

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91	High-Throughput Screening for Small-Molecule Inhibitors of LARG-Stimulated RhoA Nucleotide Binding via a Novel Fluorescence Polarization Assay. Journal of Biomolecular Screening, 2009, 14, 161-172.	2.6	42
92	Pharmacokinetic optimitzation of CCG-203971: Novel inhibitors of the Rho/MRTF/SRF transcriptional pathway as potential antifibrotic therapeutics for systemic scleroderma. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1744-1749.	1.0	42
93	Real-time Detection of Basal and Stimulated G Protein GTPase Activity Using Fluorescent GTP Analogues. Journal of Biological Chemistry, 2005, 280, 7712-7719.	1.6	41
94	Analyzing Binding Data. Current Protocols in Neuroscience, 2010, 52, Unit 7.5.	2.6	41
95	Small Molecule Inhibitors of Regulators of G Protein Signaling (RGS) Proteins. ACS Medicinal Chemistry Letters, 2012, 3, 146-150.	1.3	41
96	Selectivity and Anti-Parkinsonâ€™s Potential of Thiadiazolidinone RGS4 Inhibitors. ACS Chemical Neuroscience, 2015, 6, 911-919.	1.7	41
97	COVID-19â€"A Theory of Autoimmunity Against ACE-2 Explained. Frontiers in Immunology, 2021, 12, 582166.	2.2	41
98	Interdomain Interactions Regulate GDP Release from Heterotrimeric G Proteins. Biochemistry, 1999, 38, 13795-13800.	1.2	40
99	Endogenous RGS proteins modulate SA and AV nodal functions in isolated heart: implications for sick sinus syndrome and AV block. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H2532-H2539.	1.5	40
100	Phase-Locked Signals Elucidate Circuit Architecture of an Oscillatory Pathway. PLoS Computational Biology, 2010, 6, e1001040.	1.5	40
101	Rho-mediated signaling promotes BRAF inhibitor resistance in de-differentiated melanoma cells. Oncogene, 2020, 39, 1466-1483.	2.6	40
102	Inhibition of adenylate cyclase is mediated by the high affinity conformation of the alpha 2-adrenergic receptor. Molecular Pharmacology, 1988, 34, 814-22.	1.0	40
103	Peptides as probes for G protein signal transduction. Cellular Signalling, 1994, 6, 841-849.	1.7	39
104	Allosteric Inhibition of the Regulator of G Protein Signalingâ€"GÎ± Proteinâ€"Protein Interaction by CCG-4986. Molecular Pharmacology, 2010, 78, 360-365.	1.0	39
105	Effect of Circulating Epinephrine on Platelet Function and Hematocrit. Hypertension, 1995, 25, 1096-1105.	1.3	39
106	Polyplexed Flow Cytometry Protein Interaction Assay: A Novel High-Throughput Screening Paradigm for RGS Protein Inhibitors. Journal of Biomolecular Screening, 2009, 14, 610-619.	2.6	38
107	Analysis of Guanine Nucleotide Binding and Exchange Kinetics of the Escherichia coli GTPase Era. Journal of Bacteriology, 2000, 182, 3460-3466.	1.0	37
108	Endogenous Regulator of G Protein Signaling Proteins Suppress GÎ±o-Dependent, Î¼-Opioid Agonist-Mediated Adenylyl Cyclase Supersensitization. Journal of Pharmacology and Experimental Therapeutics, 2004, 310, 215-222.	1.3	37

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109	Spermine in semen of male sea lamprey acts as a sex pheromone. PLoS Biology, 2019, 17, e3000332.	2.6	37
110	Regulators of Gâ€ƒprotein signaling (RGS proteins): Novel central nervous system drug targets. Chemical Biology and Drug Design, 2002, 60, 312-316.	1.2	36
111	Detection of G Proteins by Affinity Probe Capillary Electrophoresis Using a Fluorescently Labeled GTP Analogue. Analytical Chemistry, 2003, 75, 4297-4304.	3.2	36
112	Ligand-Receptor-G-Protein Molecular Assemblies on Beads for Mechanistic Studies and Screening by Flow Cytometry. Molecular Pharmacology, 2003, 64, 1227-1238.	1.0	35
113	Pharmacological Inhibition of Myocardin-related Transcription Factor Pathway Blocks Lung Metastases of RhoC-Overexpressing Melanoma. Molecular Cancer Therapeutics, 2017, 16, 193-204.	1.9	35
114	Gain-of-function mutation in Gnao1: A murine model of epileptiform encephalopathy (EIEE17)?. Mammalian Genome, 2014, 25, 202-210.	1.0	34
115	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. Journal of Medicinal Chemistry, 2019, 62, 4350-4369.	2.9	34
116	Structural requirements for G(o) activation by receptor-derived peptides: activation and modulation domains of the alpha 2-adrenergic receptor i3c region. Molecular Pharmacology, 1996, 50, 351-8.	1.0	34
117	Conformational Dynamics of a Regulator of G-Protein Signaling Protein Reveals a Mechanism of Allosteric Inhibition by a Small Molecule. ACS Chemical Biology, 2013, 8, 2778-2784.	1.6	33
118	Chemerin-induced arterial contraction is Gi- and calcium-dependent. Vascular Pharmacology, 2017, 88, 30-41.	1.0	33
119	Rapid kinetics of .alpha.2-adrenergic inhibition of adenylate cyclase. Evidence for a distal rate-limiting step. Biochemistry, 1989, 28, 8778-8786.	1.2	32
120	Lateral mobility of tetramethylrhodamine (TMR) labelled G protein Î± and Î²Î³ subunits in NG 108-15 cells. Cellular Signalling, 1994, 6, 663-679.	1.7	32
121	Partial G Protein Activation by Fluorescent Guanine Nucleotide Analogs. Journal of Biological Chemistry, 1996, 271, 4791-4797.	1.6	32
122	Depicting a protein's two faces: GPCR classification by phylogenetic tree-based HMMs. FEBS Letters, 2003, 554, 95-99.	1.3	32
123	Structure-based design, synthesis, and pharmacologic evaluation tf peptide RGS4 inhibitors. Chemical Biology and Drug Design, 2008, 63, 141-146.	1.2	32
124	The Loss of RGS Protein-GÎ±_{i2} Interactions Results in Markedly Impaired Mouse Neutrophil Trafficking to Inflammatory Sites. Molecular and Cellular Biology, 2012, 32, 4561-4571.	1.1	32
125	Real-time Analysis of G Protein-coupled Receptor Reconstitution in a Solubilized System. Journal of Biological Chemistry, 2001, 276, 22453-22460.	1.6	31
126	Fluorescence Analysis of Receptorâ^'G Protein Interactions in Cell Membranesâ€. Biochemistry, 2002, 41, 12858-12867.	1.2	31

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127	Role of signalling molecules in behaviours mediated by the Î´ opioid receptor agonist SNC80. British Journal of Pharmacology, 2018, 175, 891-901.	2.7	31
128	Interpreting Hydrogenâ€“Deuterium Exchange Events in Proteins Using Atomistic Simulations: Case Studies on Regulators of G-Protein Signaling Proteins. Journal of Physical Chemistry B, 2018, 122, 9314-9323.	1.2	30
129	Differential modulation of muâ€opioid receptor signaling to adenylyl cyclase by regulators of G protein signaling proteins 4 or 8 and 7 in permeabilised C6 cells is GÎ± subtype dependent. Journal of Neurochemistry, 2010, 112, 1026-1034.	2.1	29
130	Differential Control of Opioid Antinociception to Thermal Stimuli in a Knock-In Mouse Expressing Regulator of G-Protein Signaling-Insensitive GÎ±_oProtein. Journal of Neuroscience, 2013, 33, 4369-4377.	1.7	29
131	Induction of the matricellular protein CCN1 through RhoA and MRTF-A contributes to ischemic cardioprotection. Journal of Molecular and Cellular Cardiology, 2014, 75, 152-161.	0.9	29
132	Real-time Analysis of Ternary Complex on Particles. Journal of Biological Chemistry, 2004, 279, 13514-13521.	1.6	28
133	Identification of Pirin as a Molecular Target of the CCG-1423/CCG-203971 Series of Antifibrotic and Antimetastatic Compounds. ACS Pharmacology and Translational Science, 2019, 2, 92-100.	2.5	28
134	Coupling Efficacy and Selectivity of the Human Î¼-Opioid Receptor Expressed as Receptor-GÎ± Fusion Proteins in Escherichia coli. Journal of Neurochemistry, 2002, 75, 1190-1199.	2.1	27
135	Mechanism of Action and Structural Requirements of Constrained Peptide Inhibitors of RGS Proteins. Chemical Biology and Drug Design, 2006, 67, 266-274.	1.5	27
136	Regions in the G Protein Î³ Subunit Important for Interaction with Receptors and Effectors. Molecular Pharmacology, 2006, 69, 877-887.	1.0	27
137	Use of Flow Cytometric Methods to Quantify Proteinâ€Protein Interactions. Current Protocols in Cytometry, 2010, 51, Unit 13.11.1-15.	3.7	27
138	Regulator of G Protein Signaling Protein Suppression of GÎ±_o Protein-Mediated Î±_{2A} Adrenergic Receptor Inhibition of Mouse Hippocampal CA3 Epileptiform Activity. Molecular Pharmacology, 2009, 75, 1222-1230.	1.0	26
139	Novel Peptide Ligands of RGS4 from a Focused Oneâ€Bead, Oneâ€Compound Library. Chemical Biology and Drug Design, 2008, 72, 111-119.	1.5	25
140	Roles of GoÎ±Tryptophans in GTP Hydrolysis, GDP Release, and Fluorescence Signalsâ€. Biochemistry, 1998, 37, 837-843.	1.2	24
141	Missing Links: Mechanisms of Protean Agonism: Fig. 1.. Molecular Pharmacology, 2007, 71, 1200-1202.	1.0	24
142	The hypertension???coronary heart disease dilemma: the catecholamine???blood platelet connection. Journal of Hypertension, 1989, 7, 851-860.	0.3	23
143	Selective inactivation of guanine-nucleotide-binding regulatory protein (G-protein) Î± and Î²Î³ subunits by urea. Biochemical Journal, 2001, 354, 337-344.	1.7	23
144	Cardiotonic Steroids Stabilize Regulator of G Protein Signaling 2 Protein Levels. Molecular Pharmacology, 2012, 82, 500-509.	1.0	23

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145	Multisite interactions of receptors and G proteins: enhanced potency of dimeric receptor peptides in modifying G protein function. Molecular Pharmacology, 1994, 45, 1191-7.	1.0	23
146	A conserved hydrophobic surface of the LARG pleckstrin homology domain is critical for RhoA activation in cells. Cellular Signalling, 2009, 21, 1569-1578.	1.7	22
147	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. Beilstein Journal of Organic Chemistry, 2013, 9, 966-973.	1.3	22
148	Pharmacologic reduction of sympathetic drive increases platelet alpha-2â€“receptor number. Clinical Pharmacology and Therapeutics, 1985, 38, 519-524.	2.3	21
149	Parallel inactivation of Î±2 -adrenergic agonist binding and Ni by alkaline treatment. FEBS Letters, 1985, 192, 321-325.	1.3	21
150	Rapid kinetics of G protein subunit association: A rate-limiting conformational change?. FEBS Letters, 1994, 355, 251-253.	1.3	21
151	Fluorescence Approaches to Study G Protein Mechanisms. Methods in Enzymology, 2002, 344, 403-420.	0.4	21
152	Reversible inhibitors of regulators of G-protein signaling identified in a high-throughput cell-based calcium signaling assay. Cellular Signalling, 2013, 25, 2848-2855.	1.7	21
153	FBXO44-Mediated Degradation of RGS2 Protein Uniquely Depends on a Cullin 4B/DDB1 Complex. PLoS ONE, 2015, 10, e0123581.	1.1	21
154	Small-Molecule Inhibition of Rho/MKL/SRF Transcription in Prostate Cancer Cells: Modulation of Cell Cycle, ER Stress, and Metastasis Gene Networks. Microarrays (Basel, Switzerland), 2016, 5, 13.	1.4	21
155	Differential Protein Dynamics of Regulators of G-Protein Signaling: Role in Specificity of Small-Molecule Inhibitors. Journal of the American Chemical Society, 2018, 140, 3454-3460.	6.6	21
156	Band-pass processing in a GPCR signaling pathway selects for NFAT transcription factor activation. Integrative Biology (United Kingdom), 2015, 7, 1378-1386.	0.6	20
157	RGS-Insensitive G Proteins as In Vivo Probes of RGS Function. Progress in Molecular Biology and Translational Science, 2015, 133, 13-30.	0.9	20
158	Digoxin-Mediated Upregulation of RGS2 Protein Protects against Cardiac Injury. Journal of Pharmacology and Experimental Therapeutics, 2016, 357, 311-319.	1.3	20
159	In vitro and in vivo delivery of a sustained release nanocarrier-based formulation of an MRTF/SRF inhibitor in conjunctival fibrosis. Journal of Nanobiotechnology, 2018, 16, 97.	4.2	20
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