

# David Peter Siderovski

## List of Publications by Year in descending order

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169  
papers

20,055  
citations

16411

64  
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10424

139  
g-index

179  
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179  
docs citations

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times ranked

19856  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-activating G protein $\hat{\pm}$ subunits engage seven-transmembrane regulator of G protein signaling (RGS) proteins and a Rho guanine nucleotide exchange factor effector in the amoeba <i>Naegleria fowleri</i> . <i>Journal of Biological Chemistry</i> , 2022, 298, 102167.	1.6	1
2	Potential for Kappa-Opioid Receptor Agonists to Engineer Nonaddictive Analgesics: A Narrative Review. <i>Anesthesia and Analgesia</i> , 2021, 132, 406-419.	1.1	15
3	The stability of tastant detection by mouse lingual chemosensory tissue requires Regulator of G protein Signaling-21 (RGS21). <i>Chemical Senses</i> , 2021, 46, .	1.1	2
4	Genetic deletion of <i>Rgs12</i> in mice affects serotonin transporter expression and function <i>in vivo</i> and <i>ex vivo</i> . <i>Journal of Psychopharmacology</i> , 2020, 34, 1393-1407.	2.0	2
5	The Biased Kappa Opioid Receptor Agonist Nalfurafine Reduces the Reinforcing Properties of Oxycodone and Enhances Oxycodone-Induced Spinal Anti-Nociception. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
6	A role for Regulator of G protein Signaling-12 (RGS12) in the balance between myoblast proliferation and differentiation. <i>PLoS ONE</i> , 2019, 14, e0216167.	1.1	10
7	Single Nucleotide Polymorphisms in Chemosensory Pathway Genes GNB3, TAS2R19, and TAS2R38 Are Associated with Chronic Rhinosinusitis. <i>International Archives of Allergy and Immunology</i> , 2019, 180, 72-78.	0.9	25
8	Role of RGS12 in the differential regulation of kappa opioid receptor-dependent signaling and behavior. <i>Neuropsychopharmacology</i> , 2019, 44, 1728-1741.	2.8	15
9	Preclinical Testing of Nalfurafine as an Opioid-sparing Adjuvant that Potentiates Analgesia by the Mu Opioid Receptor-targeting Agonist Morphine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 371, 487-499.	1.3	35
10	Chemerin-activated functions of CMKLR1 are regulated by G protein-coupled receptor kinase 6 (GRK6) and $\beta$ -arrestin 2 in inflammatory macrophages. <i>Molecular Immunology</i> , 2019, 106, 12-21.	1.0	17
11	Four single nucleotide polymorphisms in genes involved in neuronal signaling are associated with opioid use disorder in West Virginia. <i>Journal of Opioid Management</i> , 2019, 15, 103-109.	0.2	4
12	Regulator of G protein signaling-12 modulates the dopamine transporter in ventral striatum and locomotor responses to psychostimulants. <i>Journal of Psychopharmacology</i> , 2018, 32, 191-203.	2.0	15
13	Development of Full Sweet, Umami, and Bitter Taste Responsiveness Requires Regulator of G protein Signaling-21 (RGS21). <i>Chemical Senses</i> , 2018, 43, 367-378.	1.1	7
14	Novel behavioral assays of spontaneous and precipitated THC withdrawal in mice. <i>Drug and Alcohol Dependence</i> , 2018, 191, 14-24.	1.6	26
15	RGS Protein Family. , 2018, , 4657-4663.		0
16	Protective Roles for RGS2 in a Mouse Model of House Dust Mite-Induced Airway Inflammation. <i>PLoS ONE</i> , 2017, 12, e0170269.	1.1	24
17	Genetic variations in GPSM3 associated with protection from rheumatoid arthritis affect its transcript abundance. <i>Genes and Immunity</i> , 2016, 17, 139-147.	2.2	7
18	Reduction of GPSM3 expression akin to the arthritis-protective SNP rs204989 differentially affects migration in a neutrophil model. <i>Genes and Immunity</i> , 2016, 17, 321-327.	2.2	5

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19	Modulating platelet reactivity through control of RGS18 availability. <i>Blood</i> , 2015, 126, 2611-2620.	0.6	23
20	<i>Entamoeba histolytica</i> RacC Selectively Engages p21-Activated Kinase Effectors. <i>Biochemistry</i> , 2015, 54, 404-412.	1.2	8
21	A Non-Canonical Function of G $\beta$ as a Subunit of E3 Ligase in Targeting GRK2 Ubiquitylation. <i>Molecular Cell</i> , 2015, 58, 794-803.	4.5	30
22	GPSM3 as a Therapeutic Target for Rheumatoid Arthritis. <i>FASEB Journal</i> , 2015, 29, .	0.2	0
23	Exome Sequencing in 53 Sporadic Cases of Schizophrenia Identifies 18 Putative Candidate Genes. <i>PLoS ONE</i> , 2014, 9, e112745.	1.1	79
24	Regulation of Protease-activated Receptor 1 Signaling by the Adaptor Protein Complex 2 and R4 Subfamily of Regulator of G Protein Signaling Proteins. <i>Journal of Biological Chemistry</i> , 2014, 289, 1580-1591.	1.6	13
25	G Protein Signaling Modulator-3 Inhibits the Inflammasome Activity of NLRP3. <i>Journal of Biological Chemistry</i> , 2014, 289, 33245-33257.	1.6	29
26	RGS21, a regulator of taste and mucociliary clearance?. <i>Laryngoscope</i> , 2014, 124, E56-63.	1.1	7
27	Induction of Regulator of G-Protein Signaling 2 Expression by Long-Acting $\beta_2$ -Adrenoceptor Agonists and Glucocorticoids in Human Airway Epithelial Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 348, 12-24.	1.3	40
28	G protein signaling modulator-3: a leukocyte regulator of inflammation in health and disease. <i>American Journal of Clinical and Experimental Immunology</i> , 2014, 3, 97-106.	0.2	13
29	Structural Determinants of RGS-RhoGEF Signaling Critical to <i>Entamoeba histolytica</i> Pathogenesis. <i>Structure</i> , 2013, 21, 65-75.	1.6	7
30	G-protein signaling modulator-3, a gene linked to autoimmune diseases, regulates monocyte function and its deficiency protects from inflammatory arthritis. <i>Molecular Immunology</i> , 2013, 54, 193-198.	1.0	24
31	Structural Determinants of Ubiquitin Conjugation in <i>Entamoeba histolytica</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 2290-2302.	1.6	14
32	G protein-coupled receptor kinase-3-deficient mice exhibit WHIM syndrome features and attenuated inflammatory responses. <i>Journal of Leukocyte Biology</i> , 2013, 94, 1243-1251.	1.5	24
33	G protein signaling in the parasite <i>Entamoeba histolytica</i> . <i>Experimental and Molecular Medicine</i> , 2013, 45, e15-e15.	3.2	52
34	Inhibition of Dopamine Transporter Activity by G Protein $\beta\gamma$ Subunits. <i>PLoS ONE</i> , 2013, 8, e59788.	1.1	31
35	A P-loop Mutation in G $\beta$ Subunits Prevents Transition to the Active State: Implications for G-protein Signaling in Fungal Pathogenesis. <i>PLoS Pathogens</i> , 2012, 8, e1002553.	2.1	32
36	Heterotrimeric G-protein Signaling Is Critical to Pathogenic Processes in <i>Entamoeba histolytica</i> . <i>PLoS Pathogens</i> , 2012, 8, e1003040.	2.1	25

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37	G-protein Signaling Modulator-3 Regulates Heterotrimeric G-protein Dynamics through Dual Association with G $\alpha$ 2 and G $\alpha$ 11 Protein Subunits. <i>Journal of Biological Chemistry</i> , 2012, 287, 4863-4874.	1.6	15
38	Regulator of G-protein Signaling-21 (RGS21) Is an Inhibitor of Bitter Gustatory Signaling Found in Lingual and Airway Epithelia. <i>Journal of Biological Chemistry</i> , 2012, 287, 41706-41719.	1.6	28
39	Regulation of the Subcellular Localization of the G-protein Subunit Regulator GPSM3 through Direct Association with 14-3-3 Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 31270-31279.	1.6	8
40	<i>Entamoeba histolytica</i> Rho1 Regulates Actin Polymerization through a Divergent, Diaphanous-Related Formin. <i>Biochemistry</i> , 2012, 51, 8791-8801.	1.2	16
41	The Mitochondrial Proteins NLRX1 and TUFM Form a Complex that Regulates Type I Interferon and Autophagy. <i>Immunity</i> , 2012, 36, 933-946.	6.6	241
42	Evaluating Modulators of Regulator of G-protein Signaling (RGS) Proteins. <i>Current Protocols in Pharmacology</i> , 2012, 56, 2.8.1-2.8.15.	4.0	8
43	Computational Design of the Sequence and Structure of a Protein-Binding Peptide. <i>Journal of the American Chemical Society</i> , 2011, 133, 4190-4192.	6.6	44
44	Regulators of G-Protein Signaling and Their G $\alpha$ Substrates: Promises and Challenges in Their Use as Drug Discovery Targets. <i>Pharmacological Reviews</i> , 2011, 63, 728-749.	7.1	205
45	Structural Determinants of Affinity Enhancement between GoLoco Motifs and G-Protein $\alpha$ Subunit Mutants. <i>Journal of Biological Chemistry</i> , 2011, 286, 3351-3358.	1.6	17
46	Unique Structural and Nucleotide Exchange Features of the Rho1 GTPase of <i>Entamoeba histolytica</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 39236-39246.	1.6	16
47	$\beta$ 2-Adrenoceptor agonist-induced RGS2 expression is a genomic mechanism of bronchoprotection that is enhanced by glucocorticoids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19713-19718.	3.3	76
48	Integrating energy calculations with functional assays to decipher the specificity of G protein-RGS protein interactions. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 846-853.	3.6	41
49	LGN regulates mitotic spindle orientation during epithelial morphogenesis. <i>Journal of Cell Biology</i> , 2010, 189, 275-288.	2.3	165
50	The Superfamily of Regulator of G-Protein Signaling (RGS) Proteins. , 2010, , 1683-1703.		0
51	Regulators of G-protein Signaling accelerate GPCR signaling kinetics and govern sensitivity solely by accelerating GTPase activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7066-7071.	3.3	89
52	PB1 Domain Interaction of p62/Sequestosome 1 and MEKK3 Regulates NF- $\kappa$ B Activation. <i>Journal of Biological Chemistry</i> , 2010, 285, 2077-2089.	1.6	107
53	RNA interference screen for RGS protein specificity at muscarinic and protease-activated receptors reveals bidirectional modulation of signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C654-C664.	2.1	14
54	High-Affinity Immobilization of Proteins Using Biotin- and GST-Based Coupling Strategies. <i>Methods in Molecular Biology</i> , 2010, 627, 75-90.	0.4	50

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55	A Capture Coupling Method for the Covalent Immobilization of Hexahistidine Tagged Proteins for Surface Plasmon Resonance. <i>Methods in Molecular Biology</i> , 2010, 627, 91-100.	0.4	42
56	A Homogeneous Method to Measure Nucleotide Exchange by $\hat{\alpha}$ -Subunits of Heterotrimeric G-Proteins Using Fluorescence Polarization. <i>Assay and Drug Development Technologies</i> , 2010, 8, 621-624.	0.6	1
57	Structural Determinants of G-protein $\hat{\alpha}$ Subunit Selectivity by Regulator of G-protein Signaling 2 (RGS2). <i>Journal of Biological Chemistry</i> , 2009, 284, 19402-19411.	1.6	62
58	Two $\hat{\alpha}$ Rate-Modifying Mutations Act in Concert to Allow Receptor-Independent, Steady-State Measurements of RGS Protein Activity. <i>Journal of Biomolecular Screening</i> , 2009, 14, 1195-1206.	2.6	30
59	Helix Dipole Movement and Conformational Variability Contribute to Allosteric GDP Release in $\hat{\alpha}$ Subunits. <i>Biochemistry</i> , 2009, 48, 2630-2642.	1.2	21
60	Regulator of G protein signaling 2 mediates cardiac compensation to pressure overload and antihypertrophic effects of PDE5 inhibition in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 408-20.	3.9	171
61	Regulator of G-Protein Signaling 14 (RGS14) Is a Selective H-Ras Effector. <i>PLoS ONE</i> , 2009, 4, e4884.	1.1	40
62	Crystal structure of the multifunctional $\hat{\alpha}$ 5-RGS9 complex. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 155-162.	3.6	97
63	Structural Determinants Underlying the Temperature-sensitive Nature of a $\hat{\alpha}$ Mutant in Asymmetric Cell Division of <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 21550-21558.	1.6	15
64	Structural diversity in the RGS domain and its interaction with heterotrimeric G protein $\hat{\alpha}$ -subunits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6457-6462.	3.3	174
65	A Point Mutation to $\hat{\alpha}$ Selectively Blocks GoLoco Motif Binding. <i>Journal of Biological Chemistry</i> , 2008, 283, 36698-36710.	1.6	41
66	A sweet cycle for Arabidopsis G-proteins. <i>Plant Signaling and Behavior</i> , 2008, 3, 1067-1076.	1.2	22
67	Meet The Guest Editors. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2008, 11, 468-468.	0.6	0
68	A High Throughput Fluorescence Polarization Assay for Inhibitors of the GoLoco Motif/G-alpha Interaction. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2008, 11, 396-409.	0.6	28
69	State-Selective Binding Peptides for Heterotrimeric G-Protein Subunits: Novel Tools for Investigating G-Protein Signaling Dynamics. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2008, 11, 370-381.	0.6	12
70	Editorial [Hot Topic: GPCR High Throughput Screening (Part 1) (Guest Editors: David P. Siderovski and) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.6	0
71	Structural studies of RGS9/ $\hat{\alpha}$ 5. <i>FASEB Journal</i> , 2008, 22, 539.2.	0.2	0
72	GTPase acceleration as the rate-limiting step in Arabidopsis G protein-coupled sugar signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17317-17322.	3.3	195

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73	Structural basis for nucleotide exchange on G $\alpha$ i subunits and receptor coupling specificity. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2001-2006.	3.3	41
74	Comment on "A G Protein-Coupled Receptor Is a Plasma Membrane Receptor for the Plant Hormone Abscisic Acid". Science, 2007, 318, 914-914.	6.0	85
75	Receptor-Mediated Activation of Heterotrimeric G-Proteins: Current Structural Insights. Molecular Pharmacology, 2007, 72, 219-230.	1.0	123
76	Structure-based Protocol for Identifying Mutations that Enhance Protein-Protein Binding Affinities. Journal of Molecular Biology, 2007, 371, 1392-1404.	2.0	90
77	The RGS protein inhibitor CCG-4986 is a covalent modifier of the RGS4 G $\alpha$ i-interaction face. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1213-1220.	1.1	48
78	Rgs1 regulates multiple G $\alpha$ i subunits in Magnaporthe pathogenesis, asexual growth and thigmotropism. EMBO Journal, 2007, 26, 690-700.	3.5	151
79	Selective role for RGS12 as a Ras/Raf/MEK scaffold in nerve growth factor-mediated differentiation. EMBO Journal, 2007, 26, 2029-2040.	3.5	78
80	Differential G-alpha interaction capacities of the GoLoco motifs in Rap GTPase activating proteins. Cellular Signalling, 2007, 19, 428-438.	1.7	19
81	Minimal Determinants for Binding Activated G $\alpha$ i from the Structure of a G $\alpha$ i1 $\beta$ Peptide Dimer. Biochemistry, 2006, 45, 11390-11400.	1.2	42
82	Chronic Olanzapine Treatment Causes Differential Expression of Genes in Frontal Cortex of Rats as Revealed by DNA Microarray Technique. Neuropsychopharmacology, 2006, 31, 1888-1899.	2.8	96
83	The R6A-1 peptide binds to switch II of G $\alpha$ i1 but is not a GDP-dissociation inhibitor. Biochemical and Biophysical Research Communications, 2006, 339, 1107-1112.	1.0	16
84	Covalent immobilization of histidine-tagged proteins for surface plasmon resonance. Analytical Biochemistry, 2006, 353, 147-149.	1.1	30
85	The effect of RGS12 on PDGF $\beta$ receptor signalling to p42/p44 mitogen activated protein kinase in mammalian cells. Cellular Signalling, 2006, 18, 971-981.	1.7	39
86	G-protein alpha subunit interaction and guanine nucleotide dissociation inhibitor activity of the dual GoLoco motif protein PCP-2 (Purkinje cell protein-2). Cellular Signalling, 2006, 18, 1226-1234.	1.7	22
87	Dynamic Regulation of Mammalian Numb by G Protein-coupled Receptors and Protein Kinase C Activation: Structural Determinants of Numb Association with the Cortical Membrane. Molecular Biology of the Cell, 2006, 17, 4142-4155.	0.9	47
88	Clathrin Adaptor AP2 Regulates Thrombin Receptor Constitutive Internalization and Endothelial Cell Resensitization. Molecular and Cellular Biology, 2006, 26, 3231-3242.	1.1	93
89	Genome-Scale Analysis Reveals Sst2 as the Principal Regulator of Mating Pheromone Signaling in the Yeast Saccharomyces cerevisiae. Eukaryotic Cell, 2006, 5, 330-346.	3.4	60
90	G $\alpha$ i12/13- and Rho-Dependent Activation of Phospholipase C- $\beta$ by Lysophosphatidic Acid and Thrombin Receptors. Molecular Pharmacology, 2006, 69, 2068-2075.	1.0	52

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91	A direct fluorescence-based assay for RGS domain GTPase accelerating activity. <i>Analytical Biochemistry</i> , 2005, 340, 341-351.	1.1	47
92	D2 dopamine receptor activation of potassium channels is selectively decoupled by G $\beta$ i-specific GoLoco motif peptides. <i>Journal of Neurochemistry</i> , 2005, 92, 1408-1418.	2.1	61
93	Ric-8 controls <i>Drosophila</i> neural progenitor asymmetric division by regulating heterotrimeric G proteins. <i>Nature Cell Biology</i> , 2005, 7, 1091-1098.	4.6	113
94	G $\beta$ selectivity and inhibitor function of the multiple GoLoco motif protein GPSM2/LGN. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2005, 1745, 254-264.	1.9	41
95	Structure of G $\beta$ i1 Bound to a GDP-Selective Peptide Provides Insight into Guanine Nucleotide Exchange. <i>Structure</i> , 2005, 13, 1069-1080.	1.6	74
96	Differential expression of regulator of G-protein signaling R12 subfamily members during mouse development. <i>Developmental Dynamics</i> , 2005, 234, 438-444.	0.8	14
97	G-protein signaling: back to the future. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 551-577.	2.4	416
98	The GAPs, GEFs, and GDIs of heterotrimeric G-protein alpha subunits. <i>International Journal of Biological Sciences</i> , 2005, 1, 51-66.	2.6	369
99	Cortical localization of the G $\beta$ protein GPA-16 requires RIC-8 function during <i>C. elegans</i> asymmetric cell division. <i>Development (Cambridge)</i> , 2005, 132, 4449-4459.	1.2	78
100	RGS12 Interacts with the SNARE-binding Region of the Cav2.2 Calcium Channel. <i>Journal of Biological Chemistry</i> , 2005, 280, 1521-1528.	1.6	41
101	RGS14 is a Microtubule-Associated Protein. <i>Cell Cycle</i> , 2005, 4, 953-960.	1.3	33
102	Structural and Evolutionary Division of Phosphotyrosine Binding (PTB) Domains. <i>Journal of Molecular Biology</i> , 2005, 345, 1-20.	2.0	225
103	A bifunctional G $\beta$ i/G $\beta$ o modulatory peptide that attenuates adenylyl cyclase activity. <i>FEBS Letters</i> , 2005, 579, 5746-5750.	1.3	19
104	Mammalian Inscuteable Regulates Spindle Orientation and Cell Fate in the Developing Retina. <i>Neuron</i> , 2005, 48, 539-545.	3.8	123
105	Fluorescence-Based Assays for RGS Box Function. <i>Methods in Enzymology</i> , 2004, 389, 56-71.	0.4	19
106	Purification and In Vitro Functional Analysis of the <i>Arabidopsis thaliana</i> Regulator of G-Protein Signaling-1. <i>Methods in Enzymology</i> , 2004, 389, 320-338.	0.4	33
107	Analysis of Interactions between Regulator of G-Protein Signaling-14 and Microtubules. <i>Methods in Enzymology</i> , 2004, 390, 240-258.	0.4	4
108	Purification and In Vitro Functional Analyses of RGS12 and RGS14 GoLoco Motif Peptides. <i>Methods in Enzymology</i> , 2004, 390, 419-436.	0.4	10

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109	Return of the GDI: The GoLoco Motif in Cell Division. Annual Review of Biochemistry, 2004, 73, 925-951.	5.0	197
110	Application of RGS Box Proteins to Evaluate G-Protein Selectivity in Receptor-Promoted Signaling. Methods in Enzymology, 2004, 389, 71-88.	0.4	26
111	RIC-8 Is Required for GPR-1/2-Dependent G $\hat{I}$ $\pm$ Function during Asymmetric Division of <i>C. elegans</i> Embryos. Cell, 2004, 119, 219-230.	13.5	186
112	RGS14 Is a Mitotic Spindle Protein Essential from the First Division of the Mammalian Zygote. Developmental Cell, 2004, 7, 763-769.	3.1	59
113	Guanine nucleotide dissociation inhibitor activity of the triple GoLoco motif protein G18: alanine-to-aspartate mutation restores function to an inactive second GoLoco motif. Biochemical Journal, 2004, 378, 801-808.	1.7	61
114	The G $\hat{A}$ $\hat{A}$ DIMER as a NOVEL SOURCE of SELECTIVITY in G-Protein Signaling: GGL-ing AT CONVENTION. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2004, 4, 200-214.	3.4	46
115	Role of the pleckstrin homology domain in intersectin-L Dbl homology domain activation of Cdc42 and signaling. Biochimica Et Biophysica Acta - Molecular Cell Research, 2003, 1640, 61-68.	1.9	18
116	Regulator of G-protein signaling-2 mediates vascular smooth muscle relaxation and blood pressure. Nature Medicine, 2003, 9, 1506-1512.	15.2	360
117	A Seven-Transmembrane RGS Protein That Modulates Plant Cell Proliferation. Science, 2003, 301, 1728-1731.	6.0	300
118	Translation of Polarity Cues into Asymmetric Spindle Positioning in <i>Caenorhabditis elegans</i> Embryos. Science, 2003, 300, 1957-1961.	6.0	277
119	The RGS Protein Superfamily. , 2003, , 631-638.		3
120	Established and Emerging Fluorescence-Based Assays for G-Protein Function: Heterotrimeric G-Protein Alpha Subunits and Regulator of G-Protein Signaling (RGS) Proteins. Combinatorial Chemistry and High Throughput Screening, 2003, 6, 399-407.	0.6	29
121	Established and Emerging Fluorescence-Based Assays for G-Protein Function: Ras-Superfamily GTPases. Combinatorial Chemistry and High Throughput Screening, 2003, 6, 409-418.	0.6	36
122	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
123	Leukemia-Associated Rho Guanine Nucleotide Exchange Factor Promotes G $\hat{I}$ $\pm$ q-Coupled Activation of RhoA. Molecular and Cellular Biology, 2002, 22, 4053-4061.	1.1	165
124	Assays of Complex Formation between RGS Protein G $\hat{I}$ $\hat{3}$ Subunit-like Domains and G $\hat{I}$ $\hat{2}$ Subunits. Methods in Enzymology, 2002, 344, 702-723.	0.4	7
125	Molecular Cloning of Regulators of G-Protein Signaling Family Members and Characterization of Binding Specificity of RGS 12 PDZ Domain. Methods in Enzymology, 2002, 344, 740-761.	0.4	26
126	Structural determinants for GoLoco-induced inhibition of nucleotide release by G $\hat{I}$ $\pm$ subunits. Nature, 2002, 416, 878-881.	13.7	252

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127	Tiam1 mediates Ras activation of Rac by a PI(3)K-independent mechanism. <i>Nature Cell Biology</i> , 2002, 4, 621-625.	4.6	288
128	Regulators of G-Protein signalling as new central nervous system drug targets. <i>Nature Reviews Drug Discovery</i> , 2002, 1, 187-197.	21.5	351
129	Structural basis for the selective activation of Rho GTPases by Dbl exchange factors. <i>Nature Structural Biology</i> , 2002, 9, 468-475.	9.7	190
130	A crystallographic view of interactions between Dbs and Cdc42: PH domain-assisted guanine nucleotide exchange. <i>EMBO Journal</i> , 2002, 21, 1315-1326.	3.5	198
131	The GoLoco Motif: Heralding a New Tango Between G Protein Signaling and Cell Division. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2002, 2, 88-100.	3.4	34
132	Activation of Phospholipase C- $\beta$ by Heterotrimeric G Protein $\beta\gamma$ -Subunits. <i>Journal of Biological Chemistry</i> , 2001, 276, 48257-48261.	1.6	90
133	Functional relevance of the disulfide-linked complex of the N-terminal PDZ domain of InaD with NorpA. <i>EMBO Journal</i> , 2001, 20, 4414-4422.	3.5	49
134	G $\beta$ -like (ggl) domains: new frontiers in g-protein signaling and $\beta$ -propeller scaffolding <sup>22</sup> Abbreviations: DEP, dishevelled/EGL-10/pleckstrin-related domain; DH, dbl-homology domain; GAP, guanosine triphosphatase-activating protein; GEF, guanine nucleotide exchange factor; GGL, G-gamma-like; GIRK, G-protein-gated inwardly rectifying potassium channel; GPCR, G-protein-coupled receptor; G protein, guanine nucleotide binding protein; GTPase, guanosine triphosphatase; mAChR, muscarinic acetylcholine receptor; MAPK. <i>Biochemical Pharmacology</i> , 2001, 61, 1329-1337.	2.0	117
135	G $\beta$ Isoforms Selectively Rescue Plasma Membrane Localization and Palmitoylation of Mutant G $\alpha$ s and G $\alpha$ q. <i>Journal of Biological Chemistry</i> , 2001, 276, 23945-23953.	1.6	73
136	Quantitative Analysis of the Effect of Phosphoinositide Interactions on the Function of Dbl Family Proteins. <i>Journal of Biological Chemistry</i> , 2001, 276, 45868-45875.	1.6	83
137	G $\beta$ Association and Effector Interaction Selectivities of the Divergent G $\beta$ Subunit G $\beta$ 13. <i>Journal of Biological Chemistry</i> , 2001, 276, 49267-49274.	1.6	36
138	RGS12 and RGS14 GoLoco Motifs Are G $\alpha$ Interaction Sites with Guanine Nucleotide Dissociation Inhibitor Activity. <i>Journal of Biological Chemistry</i> , 2001, 276, 29275-29281.	1.6	207
139	The telomerase reverse transcriptase is limiting and necessary for telomerase function in vivo. <i>Current Biology</i> , 2000, 10, 1459-1462.	1.8	232
140	Selective Regulation of N-Type Ca Channels by Different Combinations of G-Protein $\beta\gamma$ Subunits and RGS Proteins. <i>Journal of Neuroscience</i> , 2000, 20, 7143-7148.	1.7	62
141	Regulation of T cell activation, anxiety, and male aggression by RGS2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 12272-12277.	3.3	264
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