Heidi E Hamm

List of Publications by Year
in descending order

216 papers	18,652 citations	18482 62 h-index	12597 132 g-index
229 all docs	229 docs citations	229 times ranked	11969 citing authors

#	Article	IF	Citations
1	Presynaptic mechanisms underlying GABAB-receptor-mediated inhibition of spontaneous neurotransmitter release. Cell Reports, 2022, 38, 110255.	6.4	13
2	Phototransduction in retinal cones: Analysis of parameter importance. PLoS ONE, 2021, 16, e0258721.	2.5	5
3	Specificities of GÎ²Î³ subunits for the SNARE complex before and after stimulation of Î± _{2a} -adrenergic receptors. Science Signaling, 2021, 14, eabc4970.	3.6	2
4	Discovery and Optimization of a Novel Series of Competitive and Central Nervous System-Penetrant Protease-Activated Receptor 4 (PAR4) Inhibitors. ACS Chemical Neuroscience, 2021, 12, 4524-4534.	3.5	2
5	Physiological roles for neuromodulation via Gi/o GPCRs working through GÎ²Î³â€"SNARE interaction. Neuropsychopharmacology, 2020, 45, 221-221.	5.4	5
6	Repurposing of a Thromboxane Receptor Inhibitor Based on a Novel Role in Metastasis Identified by Phenome-Wide Association Study. Molecular Cancer Therapeutics, 2020, 19, 2454-2464.	4.1	12
7	Sexual Dimorphism in Stressâ€induced Hyperthermia in SNAP25Î"3 mice, a mouse model with disabled GÎ²Î³ regulation of the exocytotic fusion apparatus. European Journal of Neuroscience, 2020, 52, 2815-2826.	2.6	5
8	Position of rhodopsin photoisomerization on the disk surface confers variability to the rising phase of the single photon response in vertebrate rod photoreceptors. PLoS ONE, 2020, 15, e0240527.	2.5	5
9	GÎ²Î³ SNARE Interactions and Their Behavioral Effects. Neurochemical Research, 2019, 44, 636-649.	3.3	4
10	The expanding roles and mechanisms of G proteinâ€"mediated presynaptic inhibition. Journal of Biological Chemistry, 2019, 294, 1661-1670.	3.4	26
11	The in vivo specificity of synaptic GÎ² and GÎ³ subunits to the Î±2a adrenergic receptor at CNS synapses. Scientific Reports, 2019, 9, 1718.	3.3	17
12	Disabling the GÎ²Î³-SNARE interaction disrupts GPCR-mediated presynaptic inhibition, leading to physiological and behavioral phenotypes. Science Signaling, 2019, 12, .	3.6	33
13	Heterosynaptic GABA_BReceptor Function within Feedforward Microcircuits Gates Glutamatergic Transmission in the Nucleus Accumbens Core. Journal of Neuroscience, 2019, 39, 9277-9293.	3.6	29
14	Disabling GÎ²Î³-SNAP-25 interaction in gene-targeted mice results in enhancement of long-term potentiation at Schaffer collateral-CA1 synapses in the hippocampus. NeuroReport, 2019, 30, 695-699.	1.2	6
15	Local, nonlinear effects of cGMP and Ca2+ reduce single photon response variability in retinal rods. PLoS ONE, 2019, 14, e0225948.	2.5	5
16	Protease-activated receptor 4 activity promotes platelet granule release and platelet-leukocyte interactions. Platelets, 2019, 30, 126-135.	2.3	27
17	The role of coagulation and platelets in colon cancer-associated thrombosis. American Journal of Physiology - Cell Physiology, 2019, 316, C264-C273.	4.6	48
18	G Protein Preassembly Rescues Efficacy of W^{6.48} Toggle Mutations in Neuropeptide Y₂ Receptor. Molecular Pharmacology, 2018, 93, 387-401.	2.3	22

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19	GHSR-D2R heteromerization modulates dopamine signaling through an effect on G protein conformation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4501-4506.	7.1	55
20	GPCR regulation of secretion. , 2018, 192, 124-140.		18
21	GÎ²Î³ directly modulates vesicle fusion by competing with synaptotagmin for binding to neuronal SNARE proteins embedded in membranes. Journal of Biological Chemistry, 2017, 292, 12165-12177.	3.4	32
22	A Presynaptic Group III mGluR Recruits GÎ²Î³/SNARE Interactions to Inhibit Synaptic Transmission by Cone Photoreceptors in the Vertebrate Retina. Journal of Neuroscience, 2017, 37, 4618-4634.	3.6	17
23	Contributions of Protease-Activated Receptors PAR1 and PAR4 to Thrombin-Induced GPIIbIIIa Activation in Human Platelets. Molecular Pharmacology, 2017, 91, 39-47.	2.3	29
24	Quantitative Multiple-Reaction Monitoring Proteomic Analysis of GÎ² and GÎ³ Subunits in C57Bl6/J Brain Synaptosomes. Biochemistry, 2017, 56, 5405-5416.	2.5	14
25	Improved in Vitro Folding of the Y2 G Protein-Coupled Receptor into Bicelles. Frontiers in Molecular Biosciences, 2017, 4, 100.	3.5	22
26	Collybolide is a novel biased agonist of Îº-opioid receptors with potent antipruritic activity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6041-6046.	7.1	29
27	A Conserved Hydrophobic Core in GÎ±i1 Regulates G Protein Activation and Release from Activated Receptor. Journal of Biological Chemistry, 2016, 291, 19674-19686.	3.4	23
28	Loss of Serotonin Transporter Function Alters ADP-mediated Glycoprotein Î±IIbÎ²3 Activation through Dysregulation of the 5-HT2A Receptor. Journal of Biological Chemistry, 2016, 291, 20210-20219.	3.4	26
29	Development of a Series of (1-Benzyl-3-(6-methoxypyrimidin-3-yl)-5-(trifluoromethoxy)-1<i>H</i>-indol-2-yl)methanols as Selective Protease Activated Receptor 4 (PAR4) Antagonists with in Vivo Utility and Activity Against Î³-Thrombin. Journal of Medicinal Chemistry, 2016, 59, 7690-7695.	6.4	13
30	Identification of the minimum PAR4 inhibitor pharmacophore and optimization of a series of 2-methoxy-6-arylimidazo[2,1- b][1,3,4]thiadiazoles. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5481-5486.	2.2	11
31	G<i>Î²Î³</i>Binds to the Extreme C Terminus of SNAP25 to Mediate the Action of G_{i/o}-Coupled G Proteinâ€“Coupled Receptors. Molecular Pharmacology, 2016, 89, 75-83.	2.3	29
32	Evaluation of the F2R IVS-14A/T PAR1 polymorphism with subsequent cardiovascular events and bleeding in patients who have undergone percutaneous coronary intervention. Journal of Thrombosis and Thrombolysis, 2016, 41, 656-662.	2.1	7
33	Platelet Lipidomic Profiling: Novel Insight into Cytosolic Phospholipase A₂Î± Activity and Its Role in Human Platelet Activation. Biochemistry, 2015, 54, 5578-5588.	2.5	14
34	Functional Stability of Rhodopsin in a Bicelle System: Evaluating G Protein Activation by Rhodopsin in Bicelles. Methods in Molecular Biology, 2015, 1271, 67-76.	0.9	1
35	Using Peptide Arrays Created by the SPOT Method for Defining Protein-Protein Interactions. Methods in Molecular Biology, 2015, 1278, 307-320.	0.9	4
36	A survey of conformational and energetic changes in G protein signaling. AIMS Biophysics, 2015, 2, 630-648.	0.6	1

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37	A Conserved Phenylalanine as a Relay between the Î±5 Helix and the GDP Binding Region of Heterotrimeric Gi Protein Î± Subunit. Journal of Biological Chemistry, 2014, 289, 24475-24487.	3.4	42
38	Energetic analysis of the rhodopsinâ€“G-protein complex links the Î±5 helix to GDP release. Nature Structural and Molecular Biology, 2014, 21, 56-63.	8.2	64
39	Racial Differences in Resistance to P2Y₁₂Receptor Antagonists in Type 2 Diabetic Subjects. Journal of Pharmacology and Experimental Therapeutics, 2014, 351, 33-43.	2.5	4
40	The hyperglycemic byproduct methylglyoxal impairs anticoagulant activity through covalent adduction of antithrombin III. Thrombosis Research, 2014, 134, 1350-1357.	1.7	10
41	A Transient Interaction between the Phosphate Binding Loop and Switch I Contributes to the Allosteric Network between Receptor and Nucleotide in GÎ±i1. Journal of Biological Chemistry, 2014, 289, 11331-11341.	3.4	7
42	Modulation of Neurotransmission by GPCRs Is Dependent upon the Microarchitecture of the Primed Vesicle Complex. Journal of Neuroscience, 2014, 34, 260-274.	3.6	31
43	Substituted indoles as selective protease activated receptor 4 (PAR-4) antagonists: Discovery and SAR of ML354. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4708-4713.	2.2	35
44	Differential Localization of G Protein Î²Î³ Subunits. Biochemistry, 2014, 53, 2329-2343.	2.5	16
45	Linking receptor activation to changes in Sw I and II of GÎ± proteins. Journal of Structural Biology, 2013, 184, 63-74.	2.8	9
46	Gpr125 modulates Dishevelled distribution and planar cell polarity signaling. Development (Cambridge), 2013, 140, 3028-3039.	2.5	56
47	Protease-Activated Receptor (PAR) 1 and PAR4 Differentially Regulate Factor V Expression from Human Platelets. Molecular Pharmacology, 2013, 83, 781-792.	2.3	55
48	Dichotomous effects of exposure to bivalirudin in patients undergoing percutaneous coronary intervention on protease-activated receptor-mediated platelet activation. Journal of Thrombosis and Thrombolysis, 2013, 35, 209-222.	2.1	4
49	Conformational Flexibility and Structural Dynamics in GPCR-Mediated G Protein Activation: A Perspective. Journal of Molecular Biology, 2013, 425, 2288-2298.	4.2	89
50	Extracellular Loop II Modulates GTP Sensitivity of the Prostaglandin EP3 Receptor. Molecular Pharmacology, 2013, 83, 206-216.	2.3	5
51	Correction to â€œProtease-Activated Receptor (PAR) 1 and PAR4 Differentially Regulate Factor V Expression from Human Plateletsâ€• Molecular Pharmacology, 2013, 84, 487-487.	2.3	0
52	Synthesis of Indole Derived Protease-Activated Receptor 4 Antagonists and Characterization in Human Platelets. PLoS ONE, 2013, 8, e65528.	2.5	27
53	Communicating a Nobel Signal: Exploration of the Heterotrimeric G protein. FASEB Journal, 2013, 27, lb164.	0.5	0
54	Platelet Microparticle Production Is Regulated By STIM1 Dependent Entry Of Extracellular Ca2+ Through Orai1. Blood, 2013, 122, 1059-1059.	1.4	0

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55	Myristoylation Exerts Direct and Allosteric Effects on GÎ± Conformation and Dynamics in Solution. Biochemistry, 2012, 51, 1911-1924.	2.5	16
56	Label-Free Detection of G Proteinâ€"SNARE Interactions and Screening for Small Molecule Modulators. ACS Chemical Neuroscience, 2012, 3, 69-78.	3.5	11
57	GPCR mediated regulation of synaptic transmission. Progress in Neurobiology, 2012, 96, 304-321.	5.7	114
58	GÎ²Î³ Inhibits Exocytosis via Interaction with Critical Residues on Soluble<i>N</i>-Ethylmaleimide-Sensitive Factor Attachment Protein-25. Molecular Pharmacology, 2012, 82, 1136-1149.	2.3	31
59	Molecular Determinants of GPCR-G Protein Complex Formation. Biophysical Journal, 2012, 102, 31a-32a.	0.5	0
60	Fracture healing in proteaseâ€activated receptorâ€2 deficient mice. Journal of Orthopaedic Research, 2012, 30, 1271-1276.	2.3	5
61	Thrombin induces osteosarcoma growth, a function inhibited by low molecular weight heparin in vitro and in vivo. Cancer, 2012, 118, 2494-2506.	4.1	28
62	Allosteric Mechanisms of G Protein-Coupled Receptor Signaling: A Structural Perspective. Methods in Molecular Biology, 2012, 796, 133-174.	0.9	13
63	Rhodopsin Expression Level Affects Rod Outer Segment Morphology and Photoresponse Kinetics. PLoS ONE, 2012, 7, e37832.	2.5	50
64	Coupling Efficiency of Rhodopsin and Transducin in Bicelles. Biochemistry, 2011, 50, 3193-3203.	2.5	25
65	Mathematical model of PAR1-mediated activation of human platelets. Molecular BioSystems, 2011, 7, 1129.	2.9	24
66	Protease-Activated Receptor Signaling in Platelets Activates Cytosolic Phospholipase A _{2Î±} Differently for Cyclooxygenase-1 and 12-Lipoxygenase Catalysis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 435-442.	2.4	56
67	Identification of key factors that reduce the variability of the single photon response. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7804-7807.	7.1	31
68	Interaction of a G protein with an activated receptor opens the interdomain interface in the alpha subunit. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9420-9424.	7.1	145
69	Coagulation Cofactor Presentation and Complex Assembly on Platelets by Protease Activated Receptors (PARs): PAR4 Stimulation Leads to More FV and FVIII and More Thrombin Generation Than PAR1. Blood, 2011, 118, 1135-1135.	1.4	0
70	2010 Young Investigator Award Winner: Therapeutic Aprotinin Stimulates Osteoblast Proliferation but Inhibits Differentiation and Bone Matrix Mineralization. Spine, 2010, 35, 1008-1016.	2.0	9
71	Kinetics of Rhodopsin Deactivation and Its Role in Regulating Recovery and Reproducibility of Rod Photoresponse. PLoS Computational Biology, 2010, 6, e1001031.	3.2	23
72	GÎ²Î³ Activates GSK3 to Promote LRP6-Mediated Î²-Catenin Transcriptional Activity. Science Signaling, 2010, 3, ra37.	3.6	51

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73	Role of GÎ²Î³ in regulation of class II histone deacetylases. FASEB Journal, 2010, 24, 457.1.	0.5	0
74	Coupling Efficiency of Rhodopsin and Transducin in the Bicelle Mixtures. FASEB Journal, 2010, 24, 769.7.	0.5	0
75	Suboptimal Activation of Protease-activated Receptors Enhances Î±2Î²1 Integrin-mediated Platelet Adhesion to Collagen. Journal of Biological Chemistry, 2009, 284, 34640-34647.	3.4	15
76	Irreversible Platelet Activation Requires Protease-Activated Receptor 1-Mediated Signaling to Phosphatidylinositol Phosphates. Molecular Pharmacology, 2009, 76, 301-313.	2.3	27
77	GÎ±12/13 regulate epiboly by inhibiting E-cadherin activity and modulating the actin cytoskeleton. Journal of Cell Biology, 2009, 184, 909-921.	5.2	60
78	Trp fluorescence reveals an activationâ€dependent cationâ€Ï€ interaction in the Switch II region of GÎ±_i proteins. Protein Science, 2009, 18, 2326-2335.	7.6	17
79	Helix Dipole Movement and Conformational Variability Contribute to Allosteric GDP Release in GÎ±i Subunits,. Biochemistry, 2009, 48, 2630-2642.	2.5	21
80	Overexpression of Rhodopsin Alters the Structure and Photoresponse of Rod Photoreceptors. Biophysical Journal, 2009, 96, 939-950.	0.5	74
81	How do GPCRs Catalyze G Protein Activation?. FASEB Journal, 2009, 23, 330.1.	0.5	0
82	Myristoylation and its role in conformational changes associated with Galphai subunit activation. FASEB Journal, 2009, 23, 879.9.	0.5	0
83	Heterotrimeric G protein activation by G-protein-coupled receptors. Nature Reviews Molecular Cell Biology, 2008, 9, 60-71.	37.0	981
84	Diffusion of the Second Messengers in the Cytoplasm Acts as a Variability Suppressor of the Single Photon Response in Vertebrate Phototransduction. Biophysical Journal, 2008, 94, 3363-3383.	0.5	47
85	RACK1 Regulates Directional Cell Migration by Acting on GÎ²Î³ at the Interface with Its Effectors PLCÎ² and PI3KÎ³. Molecular Biology of the Cell, 2008, 19, 3909-3922.	2.1	53
86	G protein Î²Î³ Subunits Modulate the Number and Nature of Exocytotic Fusion Events in Adrenal Chromaffin Cells Independent of Calcium Entry. Journal of Neurophysiology, 2008, 100, 2929-2939.	1.8	34
87	Receptor-Mediated Changes at the Myristoylated Amino Terminus of GÎ±_{il} Proteins. Biochemistry, 2008, 47, 10281-10293.	2.5	17
88	An intramolecular binding site for the myristoylated aminoâ€terminus of GÎ± i. FASEB Journal, 2008, 22, 812.9.	0.5	0
89	PAR1â€mediated stable platelet aggregation requires temporal regulation of Rap1 activity by phosphatidylinositol phosphates (PIPns).. FASEB Journal, 2008, 22, 646.3.	0.5	0
90	PAR1, but Not PAR4, Activates Human Platelets through a Gi/o/Phosphoinositide-3 Kinase Signaling Axis. Molecular Pharmacology, 2007, 71, 1399-1406.	2.3	73

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91	How do Receptors Activate G Proteins?. Advances in Protein Chemistry, 2007, 74, 67-93.	4.4	51
92	Protease-Activated Receptors Differentially Regulate Human Platelet Activation through a Phosphatidic Acid-Dependent Pathway. Molecular Pharmacology, 2007, 71, 686-694.	2.3	37
93	GÎ²Î³ Interferes with Ca²⁺-Dependent Binding of Synaptotagmin to the Soluble<i>N</i>-Ethylmaleimide-Sensitive Factor Attachment Protein Receptor (SNARE) Complex. Molecular Pharmacology, 2007, 72, 1210-1219.	2.3	75
94	Regulation of Protease-Activated Receptor (PAR) 1 and PAR4 Signaling in Human Platelets by Compartmentalized Cyclic Nucleotide Actions. Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 778-788.	2.5	18
95	Roles of G-protein-coupled receptor signaling in cancer biology and gene transcription. Current Opinion in Genetics and Development, 2007, 17, 40-44.	3.3	66
96	Mapping allosteric connections from the receptor to the nucleotide-binding pocket of heterotrimeric G proteins. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7927-7932.	7.1	59
97	Dendritic Molecular Transporters Provide Control of Delivery to Intracellular Compartments. Bioconjugate Chemistry, 2007, 18, 403-409.	3.6	49
98	The crystal structure of the fast exchange mutant I56C/Q333C in GÎ± _{i1} suggests a mechanism for receptorâ€mediated allosteric nucleotide exchange. FASEB Journal, 2007, 21, A613.	0.5	0
99	PIâ€3K differentially regulates protease activated receptorâ€mediated platelet activation in humans through Rap1. FASEB Journal, 2007, 21, A603.	0.5	0
100	Irreversible Platelet Activation Requires PAR1 Regulation of Phosphatidylinositol Phosphates (PIPns) Activation of Rap1.. Blood, 2007, 110, 3889-3889.	1.4	0
101	Structural basis of function in heterotrimeric G proteins. Quarterly Reviews of Biophysics, 2006, 39, 117-166.	5.7	193
102	Modeling the Role of Incisures in Vertebrate Phototransduction. Biophysical Journal, 2006, 91, 1192-1212.	0.5	28
103	DEP Domains: More Than Just Membrane Anchors. Developmental Cell, 2006, 11, 436-438.	7.0	36
104	Differential regulation of endothelial exocytosis of P-selectin and von Willebrand factor by protease-activated receptors and cAMP. Blood, 2006, 107, 2736-2744.	1.4	89
105	RGS4-dependent attenuation of M4 autoreceptor function in striatal cholinergic interneurons following dopamine depletion. Nature Neuroscience, 2006, 9, 832-842.	14.8	227
106	Mechanism of the receptor-catalyzed activation of heterotrimeric G proteins. Nature Structural and Molecular Biology, 2006, 13, 772-777.	8.2	171
107	Selective interactions between G protein subunits and RGS4 with the C-terminal domains of the Î¼- and Î´-opioid receptors regulate opioid receptor signaling. Cellular Signalling, 2006, 18, 771-782.	3.6	94
108	Structural and dynamical changes in an Â-subunit of a heterotrimeric G protein along the activation pathway. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16194-16199.	7.1	68

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109	Erythrocyte G Protein as a Novel Target for Malarial Chemotherapy. PLoS Medicine, 2006, 3, e528.	8.4	64
110	Direct Modulation of Phospholipase D Activity by GÎ²Î³. Molecular Pharmacology, 2006, 70, 311-318.	2.3	41
111	G protein betaÂ-subunits activated by serotonin mediate presynaptic inhibition by regulating vesicle fusion properties. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4281-4286.	7.1	68
112	PAR4, but Not PAR1, Signals Human Platelet Aggregation via Ca2+ Mobilization and Synergistic P2Y12 Receptor Activation. Journal of Biological Chemistry, 2006, 281, 26665-26674.	3.4	99
113	Endothelial Nitric-Oxide Synthase Reveals a New Face in G Protein Signaling: Fig. 1.. Molecular Pharmacology, 2006, 69, 677-679.	2.3	1
114	Structural basis of receptorâ€dependent G protein activation. FASEB Journal, 2006, 20, A918.	0.5	0
115	Ga12/13 signaling regulates epiboly by inhibiting Eâ€cadherin function. FASEB Journal, 2006, 20, A544.	0.5	0
116	GÎ²Î³ reduces the number and quantal size of exocytotic events in neurosecretory chromaffin cells. FASEB Journal, 2006, 20, A242.	0.5	2
117	RACK1 negatively regulates SDF1Î±/CXCL12â€stimulated chemotaxis of Jurkat cells. FASEB Journal, 2006, 20, A696.	0.5	0
118	Calcium Mobilization in Human Platelets is Differentially Modulated by PARâ€1 and PARâ€4 through Gi/o and PI3K. FASEB Journal, 2006, 20, .	0.5	1
119	Protease Activated Receptors Differentially Regulate Human Platelet Activation through Phosphatidic Acid-Dependent DAG Formation.. Blood, 2006, 108, 3906-3906.	1.4	7
120	G protein Î²Î³ directly regulates SNARE protein fusion machinery for secretory granule exocytosis. Nature Neuroscience, 2005, 8, 421-425.	14.8	154
121	GÎ²Î³ acts at the C terminus of SNAP-25 to mediate presynaptic inhibition. Nature Neuroscience, 2005, 8, 597-605.	14.8	170
122	Phosducin-like protein acts as a molecular chaperone for G protein Î²Î³ dimer assembly. EMBO Journal, 2005, 24, 1965-1975.	7.8	100
123	Thrombin Modulates the Expression of a Set of Genes Including Thrombospondin-1 in Human Microvascular Endothelial Cells. Journal of Biological Chemistry, 2005, 280, 22172-22180.	3.4	58
124	Essential roles of GÎ±12/13 signaling in distinct cell behaviors driving zebrafish convergence and extension gastrulation movements. Journal of Cell Biology, 2005, 169, 777-787.	5.2	101
125	Fluctuations of the Single Photon Response in Visual Transduction. AIP Conference Proceedings, 2005, , .	0.4	1
126	Functional Selectivity of G Protein Signaling by Agonist Peptides and Thrombin for the Protease-activated Receptor-1. Journal of Biological Chemistry, 2005, 280, 25048-25059.	3.4	173

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127	GÎ²Î³ Binds Histone Deacetylase 5 (HDAC5) and Inhibits Its Transcriptional Co-repression Activity. Journal of Biological Chemistry, 2005, 280, 41769-41776.	3.4	53
128	RACK1 Binds to a Signal Transfer Region of GÎ²Î³ and Inhibits Phospholipase C Î²2 Activation. Journal of Biological Chemistry, 2005, 280, 33445-33452.	3.4	37
129	RACK1 Regulates Specific Functions of GÎ²Î³. Journal of Biological Chemistry, 2004, 279, 17861-17868.	3.4	58
130	RGS9-2 modulates D2 dopamine receptor-mediated Ca2+ channel inhibition in rat striatal cholinergic interneurons. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16339-16344.	7.1	93
131	G Protein Signaling: Insights from New Structures. Science Signaling, 2004, 2004, re3-re3.	3.6	47
132	Competition between lithium and magnesium ions for the G-protein transducin in the guanosine 5 â€² -diphosphate bound conformation. Journal of Inorganic Biochemistry, 2004, 98, 691-701.	3.5	20
133	Interaction of G?? with RACK1 and other WD40 repeat proteins*1. Journal of Molecular and Cellular Cardiology, 2004, 37, 399-406.	1.9	64
134	The Myristoylated Amino Terminus of GÎ±i1 Plays a Critical Role in the Structure and Function of GÎ±i1 Subunits in Solution. Biochemistry, 2003, 42, 7931-7941.	2.5	39
135	Mathematical Model of the Spatio-Temporal Dynamics of Second Messengers in Visual Transduction. Biophysical Journal, 2003, 85, 1358-1376.	0.5	36
136	Insights into G Protein Structure, Function, and Regulation. Endocrine Reviews, 2003, 24, 765-781.	20.1	565
137	Erythrocyte G Protein-Coupled Receptor Signaling in Malarial Infection. Science, 2003, 301, 1734-1736.	12.6	141
138	A Specific Domain of GiÎ± Required for the Transactivation of GiÎ± by Tubulin Is Implicated in the Organization of Cellular Microtubules. Journal of Biological Chemistry, 2003, 278, 15285-15290.	3.4	26
139	Closely Related G-protein-coupled Receptors Use Multiple and Distinct Domains on G-protein Î±-Subunits for Selective Coupling. Journal of Biological Chemistry, 2003, 278, 50530-50536.	3.4	47
140	G-Protein Organization and Signaling. , 2003, , 335-341.		1
141	Aspartic Acid 564 in the Third Cytoplasmic Loop of the Luteinizing Hormone/Choriogonadotropin Receptor Is Crucial for Phosphorylation-independent Interaction with Arrestin2. Journal of Biological Chemistry, 2002, 277, 17916-17927.	3.4	55
142	The Î²Î³ Subunit of Heterotrimeric G Proteins Interacts with RACK1 and Two Other WD Repeat Proteins. Journal of Biological Chemistry, 2002, 277, 49888-49895.	3.4	82
143	GÂ COOH-Terminal Minigene Vectors Dissect Heterotrimeric G Protein Signaling. Science Signaling, 2002, 2002, pl1-pl1.	3.6	44
144	Thrombin Receptors Activate Go Proteins in Endothelial Cells to Regulate Intracellular Calcium and Cell Shape Changes. Journal of Biological Chemistry, 2002, 277, 34143-34149.	3.4	54

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145	Dissecting Receptorâ€"G Protein Specificity Using GÎ± Chimeras. Methods in Enzymology, 2002, 344, 69-81.	1.0	3
146	Design and Use of C-Terminal Minigene Vectors for Studying Role of Heterotrimeric G Proteins. Methods in Enzymology, 2002, 344, 58-69.	1.0	25
147	Defining G Protein Î²Î³ Specificity for Effector Recognition. Methods in Enzymology, 2002, 344, 421-434.	1.0	2
148	Structural Characterization of Intact G Protein Î³ Subunits by Mass Spectrometry. Methods in Enzymology, 2002, 344, 586-597.	1.0	2
149	Conformational Changes in the Amino-Terminal Helix of the G Protein Î±i1Following Dissociation From GÎ²Î³ Subunit and Activation. Biochemistry, 2002, 41, 9962-9972.	2.5	60
150	Effect of Li+ upon the Mg2+-Dependent Activation of Recombinant GiÎ±1. Archives of Biochemistry and Biophysics, 2001, 388, 7-12.	3.0	20
151	An Intramolecular Contact in GÎ± Transducin That Participates in Maintaining Its Intrinsic GDP Release Rate. Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications, 2001, 4, 282-291.	1.6	7
152	G Protein beta gamma Subunit-Mediated Presynaptic Inhibition: Regulation of Exocytotic Fusion Downstream of Ca2+ Entry. Science, 2001, 292, 293-297.	12.6	246
153	GÎ± Minigenes Expressing C-terminal Peptides Serve as Specific Inhibitors of Thrombin-mediated Endothelial Activation. Journal of Biological Chemistry, 2001, 276, 25672-25679.	3.4	96
154	Modulation of the G Protein Regulator Phosducin by Ca2+/Calmodulin-dependent Protein Kinase II Phosphorylation and 14-3-3 Protein Binding. Journal of Biological Chemistry, 2001, 276, 23805-23815.	3.4	51
155	Activation of the Luteinizing Hormone/Choriogonadotropin Hormone Receptor Promotes ADP Ribosylation Factor 6 Activation in Porcine Ovarian Follicular Membranes. Journal of Biological Chemistry, 2001, 276, 33773-33781.	3.4	31
156	A Novel Bifunctional Phospholipase C That Is Regulated by GÎ±12 and Stimulates the Ras/Mitogen-activated Protein Kinase Pathway. Journal of Biological Chemistry, 2001, 276, 2758-2765.	3.4	245
157	Structural Requirements for the Stabilization of Metarhodopsin II by the C Terminus of the Î± subunit of Transducin. Journal of Biological Chemistry, 2001, 276, 2333-2339.	3.4	47
158	How activated receptors couple to G proteins. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 4819-4821.	7.1	196
159	[33] Fluorescent probes as indicators of conformation changes in transducin on activation. Methods in Enzymology, 2000, 315, 490-502.	1.0	0
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