Kirill A Martemyanov

List of Publications by Year
in descending order

147	6,438	53794 45	88630 70
papers	citations	h-index	g-index

156	156	156	6759
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The role of orphan receptor GPR139 in neuropsychiatric behavior. Neuropsychopharmacology, 2022, 47, 902-913.	5.4	13
2	Ligand-directed bias of G protein signaling at the dopamine D2 receptor. Cell Chemical Biology, 2022, 29, 226-238.e4.	5.2	14
3	Genetic modeling of GNAO1 disorder delineates mechanisms of GÎ±o dysfunction. Human Molecular Genetics, 2022, 31, 510-522.	2.9	22
4	Cryo-EM structure of human GPR158 receptor coupled to the RGS7-GÎ²5 signaling complex. Science, 2022, 375, 86-91.	12.6	24
5	Community guidelines for GPCR ligand bias: IUPHAR review 32. British Journal of Pharmacology, 2022, 179, 3651-3674.	5.4	84
6	Members of the KCTD family are major regulators of cAMP signaling. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	14
7	Divergent outer retinal circuits drive image and non-image visual behaviors. Cell Reports, 2022, 39, 111003.	6.4	11
8	Striatal Dopamine Induced <scp>ERK</scp> Phosphorylation Is Altered in Mouse Models of Monogenic Dystonia. Movement Disorders, 2021, 36, 1147-1157.	3.9	7
9	GÎ±o is a major determinant of cAMP signaling in the pathophysiology of movement disorders. Cell Reports, 2021, 34, 108718.	6.4	48
10	Diversity of the GÎ²Î³ complexes defines spatial and temporal bias of GPCR signaling. Cell Systems, 2021, 12, 324-337.e5.	6.2	43
11	Identification of Potential Modulators of the RGS7/GÎ²5/R7BP Complex. SLAS Discovery, 2021, 26, 1177-1188.	2.7	1
12	Extended Phenotyping and Functional Validation Facilitate Diagnosis of a Complex Patient Harboring Genetic Variants in MCCC1 and GNB5 Causing Overlapping Phenotypes. Genes, 2021, 12, 1352.	2.4	3
13	Mechanisms of GÎ²Î³ Release upon GPCR Activation. Trends in Biochemical Sciences, 2021, 46, 703-704.	7.5	3
14	Striatal RGS7 Regulates Depression-Related Behaviors and Stress-Induced Reinstatement of Cocaine Conditioned Place Preference. ENeuro, 2021, 8, ENEURO.0365-20.2020.	1.9	7
15	Adhesion GPCR Latrophilin 3 regulates synaptic function of cone photoreceptors in a trans-synaptic manner. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	5
16	Cryo-EM structure of human GPR158 receptor coupled to the RGS7-GÎ²5 signaling complex. Science, 2021, , eabl4732.	12.6	2
17	Live cell optical assay for precise characterization of receptors coupling to GÎ±12. Basic and Clinical Pharmacology and Toxicology, 2020, 126, 88-95.	2.5	3
18	Clarinâ€1 expression in adult mouse and human retina highlights a role of MÃ¼ller glia in Usher syndrome. Journal of Pathology, 2020, 250, 195-204.	4.5	15

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19	Free Fatty Acid Receptors as new potential therapeutic target in inflammatory bowel diseases. Pharmacological Research, 2020, 152, 104604.	7.1	35
20	Haploinsufficiency as a disease mechanism in GNB1â€associated neurodevelopmental disorder. Molecular Genetics & Genomic Medicine, 2020, 8, e1477.	1.2	12
21	Interplay between cell-adhesion molecules governs synaptic wiring of cone photoreceptors. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23914-23924.	7.1	20
22	The orphan receptor GPR139 signals via Gq/11 to oppose opioid effects. Journal of Biological Chemistry, 2020, 295, 10822-10830.	3.4	20
23	GPCR-dependent biasing of GIRK channel signaling dynamics by RGS6 in mouse sinoatrial nodal cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14522-14531.	7.1	17
24	A Global Map of G Protein Signaling Regulation by RGS Proteins. Cell, 2020, 183, 503-521.e19.	28.9	82
25	Caspase-2 promotes AMPA receptor internalization and cognitive flexibility via mTORC2-AKT-GSK3Î² signaling. Nature Communications, 2019, 10, 3622.	12.8	35
26	Genetic behavioral screen identifies an orphan anti-opioid system. Science, 2019, 365, 1267-1273.	12.6	43
27	The signaling proteins GPR158 and RGS7 modulate excitability of L2/3 pyramidal neurons and control A-type potassium channel in the prelimbic cortex. Journal of Biological Chemistry, 2019, 294, 13145-13157.	3.4	20
28	NF1-cAMP signaling dissociates cell typeâ€“specific contributions of striatal medium spiny neurons to reward valuation and motor control. PLoS Biology, 2019, 17, e3000477.	5.6	14
29	Allostatic Changes in the cAMP System Drive Opioid-Induced Adaptation in Striatal Dopamine Signaling. Cell Reports, 2019, 29, 946-960.e2.	6.4	14
30	Automated Live-Cell Imaging of Synapses in Rat and Human Neuronal Cultures. Frontiers in Cellular Neuroscience, 2019, 13, 467.	3.7	19
31	ELFN2 is a postsynaptic cell adhesion molecule with essential roles in controlling group III mGluRs in the brain and neuropsychiatric behavior. Molecular Psychiatry, 2019, 24, 1902-1919.	7.9	28
32	Beyond the Ligand: Extracellular and Transcellular G Proteinâ€“Coupled Receptor Complexes in Physiology and Pharmacology. Pharmacological Reviews, 2019, 71, 503-519.	16.0	36
33	GPR158 in the Visual System: Homeostatic Role in Regulation of Intraocular Pressure. Journal of Ocular Pharmacology and Therapeutics, 2019, 35, 203-215.	1.4	6
34	Distinct Neuronal Expression Patterns of ELFN1 and ELFN2: Trans-synaptic Modulators of Group III mGluRs. Molecular Psychiatry, 2019, 24, 1769-1769.	7.9	1
35	Identification of Novel Adenylyl Cyclase 5 (AC5) Signaling Networks in D1 and D2 Medium Spiny Neurons using Bimolecular Fluorescence Complementation Screening. Cells, 2019, 8, 1468.	4.1	15
36	Homeostatic cAMP regulation by the RGS7 complex controls depression-related behaviors. Neuropsychopharmacology, 2019, 44, 642-653.	5.4	20

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37	Nuclear Receptor Nr4a1 Regulates Striatal Striosome Development and Dopamine D₁Receptor Signaling. ENeuro, 2019, 6, ENEURO.0305-19.2019.	1.9	17
38	Allostatic plasticity of cAMP system drives opioid induced adaptations in striatal dopamine signaling. FASEB Journal, 2019, 33, .	0.5	0
39	Kinetic changes in Ga cycling can increase cAMP accumulation while decreasing G proteinâ€coupled receptor kinaseâ€mediated receptor desensitization. FASEB Journal, 2019, 33, 502.7.	0.5	0
40	Transâ€synaptic regulation of group III mGluR pharmacology by endogenous allosteric modulators implicated in neuropsychiatric disease. FASEB Journal, 2019, 33, 503.17.	0.5	0
41	Synaptic adhesion protein ELFN1 is a selective allosteric modulator of group III metabotropic glutamate receptors in trans. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5022-5027.	7.1	47
42	A High-Throughput Time-Resolved Fluorescence Energy Transfer Assay to Screen for Modulators of RGS7/Gβ5/R7BP Complex. Assay and Drug Development Technologies, 2018, 16, 150-161.	1.2	3
43	Regional Heterogeneity of D2-Receptor Signaling in the Dorsal Striatum and Nucleus Accumbens. Neuron, 2018, 98, 575-587.e4.	8.1	52
44	Expression and relevance of the G protein-gated K+ channel in the mouse ventricle. Scientific Reports, 2018, 8, 1192.	3.3	19
45	RGS7 is recurrently mutated in melanoma and promotes migration and invasion of human cancer cells. Scientific Reports, 2018, 8, 653.	3.3	13
46	Interrogating the Spatiotemporal Landscape of Neuromodulatory GPCR Signaling by Real-Time Imaging of cAMP in Intact Neurons and Circuits. Cell Reports, 2018, 22, 255-268.	6.4	53
47	LRIT1 Modulates Adaptive Changes in Synaptic Communication of Cone Photoreceptors. Cell Reports, 2018, 22, 3562-3573.	6.4	18
48	Pharmacogenomics of GPCR Drug Targets. Cell, 2018, 172, 41-54.e19.	28.9	464
49	Structural organization of a major neuronal G protein regulator, the RGS7-Gβ5-R7BP complex. ELife, 2018, 7, .	6.0	18
50	An Input-Specific Orphan Receptor GPR158-HSPG Interaction Organizes Hippocampal Mossy Fiber-CA3 Synapses. Neuron, 2018, 100, 201-215.e9.	8.1	60
51	Transsynaptic Binding of Orphan Receptor GPR179 to Dystroglycan-Pikachurin Complex Is Essential for the Synaptic Organization of Photoreceptors. Cell Reports, 2018, 25, 130-145.e5.	6.4	53
52	Inhibitory Signaling to Ion Channels in Hippocampal Neurons Is Differentially Regulated by Alternative Macromolecular Complexes of RGS7. Journal of Neuroscience, 2018, 38, 10002-10015.	3.6	18
53	The influences of the M2R-GIRK4-RGS6 dependent parasympathetic pathway on electrophysiological properties of the mouse heart. PLoS ONE, 2018, 13, e0193798.	2.5	5
54	Targeting G protein-coupled receptor signaling at the G protein level with a selective nanobody inhibitor. Nature Communications, 2018, 9, 1996.	12.8	65

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55	Orphan receptor GPR158 controls stress-induced depression. ELife, 2018, 7, .	6.0	56
56	Selective Role of RGS9-2 in Regulating Retrograde Synaptic Signaling of Indirect Pathway Medium Spiny Neurons in Dorsal Striatum. Journal of Neuroscience, 2018, 38, 7120-7131.	3.6	6
57	Molecular Deconvolution Platform to Establish Disease Mechanisms by Surveying GPCR Signaling. Cell Reports, 2018, 24, 557-568.e5.	6.4	12
58	Making useful gadgets with miniaturized G proteins. Journal of Biological Chemistry, 2018, 293, 7474-7475.	3.4	5
59	Novel GNB1 mutations disrupt assembly and function of G protein heterotrimers and cause global developmental delay in humans. Human Molecular Genetics, 2017, 26, ddx018.	2.9	41
60	The Auxiliary Calcium Channel Subunit Î±2Î´4 Is Required for Axonal Elaboration, Synaptic Transmission, and Wiring of Rod Photoreceptors. Neuron, 2017, 93, 1359-1374.e6.	8.1	80
61	The Transduction Cascade in Retinal ON-Bipolar Cells: Signal Processing and Disease. Annual Review of Vision Science, 2017, 3, 25-51.	4.4	51
62	LGR5 receptor promotes cellâ€“cell adhesion in stem cells and colon cancer cells via the IQGAP1â€“Rac1 pathway. Journal of Biological Chemistry, 2017, 292, 14989-15001.	3.4	57
63	Dopamine Receptor DAMB Signals via Gq to Mediate Forgetting in Drosophila. Cell Reports, 2017, 21, 2074-2081.	6.4	73
64	Improved Scalability of Neuron-Based Phenotypic Screening Assays for Therapeutic Discovery in Neuropsychiatric Disorders. Molecular Neuropsychiatry, 2017, 3, 141-150.	2.9	16
65	LRIT3 Differentially Affects Connectivity and Synaptic Transmission of Cones to ON- and OFF-Bipolar Cells. , 2017, 58, 1768.		25
66	Cellular and Subcellular Localization of the RGS7/Gβ5/R7BP Complex in the Cerebellar Cortex. Frontiers in Neuroanatomy, 2016, 10, 114.	1.7	8
67	RGS proteins as targets in the treatment of intestinal inflammation and visceral pain: New insights and future perspectives. BioEssays, 2016, 38, 344-354.	2.5	15
68	GNB5 mutation causes a novel neuropsychiatric disorder featuring attention deficit hyperactivity disorder, severely impaired language development and normal cognition. Genome Biology, 2016, 17, 195.	8.8	36
69	Homozygous GNAL mutation associated with familial childhood-onset generalized dystonia. Neurology: Genetics, 2016, 2, e78.	1.9	22
70	Screening of GNAL variants in Brazilian patients with isolated dystonia reveals a novel mutation with partial loss of function. Journal of Neurology, 2016, 263, 665-668.	3.6	10
71	Regulator of G Protein Signaling 7 (RGS7) Can Exist in a Homo-oligomeric Form That Is Regulated by Gβ5 and R7-binding Protein. Journal of Biological Chemistry, 2016, 291, 9133-9147.	3.4	11
72	Synergistically acting agonists and antagonists of G proteinâ€“coupled receptors prevent photoreceptor cell degeneration. Science Signaling, 2016, 9, ra74.	3.6	33

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73	NF1 Is a Direct G Protein Effector Essential for Opioid Signaling to Ras in the Striatum. Current Biology, 2016, 26, 2992-3003.	3.9	34
74	The TRPM1 channel in ON-bipolar cells is gated by both the Î± and the Î²Î³ subunits of the G-protein Go. Scientific Reports, 2016, 6, 20940.	3.3	30
75	Association with the Plasma Membrane Is Sufficient for Potentiating Catalytic Activity of Regulators of G Protein Signaling (RGS) Proteins of the R7 Subfamily. Journal of Biological Chemistry, 2016, 291, 7195-7204.	3.4	10
76	Intermolecular Interaction between Anchoring Subunits Specify Subcellular Targeting and Function of RGS Proteins in Retina ON-Bipolar Neurons. Journal of Neuroscience, 2016, 36, 2915-2925.	3.6	12
77	G Protein-Gated K + Channel Ablation in Forebrain Pyramidal Neurons Selectively Impairs Fear Learning. Biological Psychiatry, 2016, 80, 796-806.	1.3	35
78	Regulator of G-Protein Signaling 7 Regulates Reward Behavior by Controlling Opioid Signaling in the Striatum. Biological Psychiatry, 2016, 80, 235-245.	1.3	29
79	<scp>LRIT</scp>3 is essential to localize <scp>TRPM</scp>1 to the dendritic tips of depolarizing bipolar cells and may play a role in cone synapse formation. European Journal of Neuroscience, 2015, 42, 1966-1975.	2.6	48
80	Stable G protein-effector complexes in striatal neurons: mechanism of assembly and role in neurotransmitter signaling. ELife, 2015, 4, .	6.0	27
81	Orphan Receptor GPR158 Is an Allosteric Modulator of RGS7 Catalytic Activity with an Essential Role in Dictating Its Expression and Localization in the Brain. Journal of Biological Chemistry, 2015, 290, 13622-13639.	3.4	49
82	Mechanism for Selective Synaptic Wiring of Rod Photoreceptors into the Retinal Circuitry and Its Role in Vision. Neuron, 2015, 87, 1248-1260.	8.1	100
83	Monitoring G Protein Activation in Cells with BRET. Methods in Molecular Biology, 2015, 1335, 107-113.	0.9	61
84	Distinct profiles of functional discrimination among G proteins determine the actions of G proteinâ€“coupled receptors. Science Signaling, 2015, 8, ra123.	3.6	197
85	Sensitivity and kinetics of signal transmission at the first visual synapse differentially impact visually-guided behavior. ELife, 2015, 4, e06358.	6.0	15
86	G Protein Signaling in the Retina and Beyond: The Cogan Lecture. Investigative Ophthalmology and Visual Science, 2014, 55, 8201-8207.	3.3	14
87	RGS6, but Not RGS4, Is the Dominant Regulator of G Protein Signaling (RGS) Modulator of the Parasympathetic Regulation of Mouse Heart Rate. Journal of Biological Chemistry, 2014, 289, 2440-2449.	3.4	31
88	Mutations inGNAL. JAMA Neurology, 2014, 71, 490.	9.0	70
89	GNALMutations and Dystoniaâ€”Reply. JAMA Neurology, 2014, 71, 1053.	9.0	1
90	GPR179 Is Required for High Sensitivity of the mGluR6 Signaling Cascade in Depolarizing Bipolar Cells. Journal of Neuroscience, 2014, 34, 6334-6343.	3.6	58

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91	RGS7/GÎ²5/R7BP complex regulates synaptic plasticity and memory by modulating hippocampal GABABR-GIRK signaling. ELife, 2014, 3, e02053.	6.0	64
92	Mutations in GNAL cause primary torsion dystonia. Nature Genetics, 2013, 45, 88-92.	21.4	281
93	Macromolecular Composition Dictates Receptor and G Protein Selectivity of Regulator of G Protein Signaling (RGS) 7 and 9-2 Protein Complexes in Living Cells. Journal of Biological Chemistry, 2013, 288, 25129-25142.	3.4	46
94	Association of Rgs7/GÎ²5 complexes with girk channels and GABA_Breceptors in hippocampal CA1 pyramidal neurons. Hippocampus, 2013, 23, 1231-1245.	1.9	40
95	Orphan Receptor GPR179 Forms Macromolecular Complexes With Components of Metabotropic Signaling Cascade in Retina ON-Bipolar Neurons. , 2013, 54, 7153.		50
96	Essential Role of the m2R-RGS6-IKACh Pathway in Controlling Intrinsic Heart Rate Variability. PLoS ONE, 2013, 8, e76973.	2.5	38
97	GPR158 and GPR179: a subfamily of orphan GPCRs as a new class of G protein signaling modulators. FASEB Journal, 2013, 27, 1095.2.	0.5	0
98	R7BP Modulates Opiate Analgesia and Tolerance but not Withdrawal. Neuropsychopharmacology, 2012, 37, 1005-1012.	5.4	18
99	Regulators of G protein signaling RGS7 and RGS11 determine the onset of the light response in ON bipolar neurons. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7905-7910.	7.1	76
100	GPR158/179 regulate G protein signaling by controlling localization and activity of the RGS7 complexes. Journal of Cell Biology, 2012, 197, 711-719.	5.2	94
101	The Complex of G Protein Regulator RGS9-2 and GÎ² ₅ Controls Sensitization and Signaling Kinetics of Type 5 Adenylyl Cyclase in the Striatum. Science Signaling, 2012, 5, ra63.	3.6	41
102	GÎ²5-RGS complexes are gatekeepers of hyperactivity involved in control of multiple neurotransmitter systems. Psychopharmacology, 2012, 219, 823-834.	3.1	31
103	TRPM1 Forms Complexes with NyctalopinIn Vivoand Accumulates in Postsynaptic Compartment of ON-Bipolar Neurons in mGluR6-Dependent Manner. Journal of Neuroscience, 2011, 31, 11521-11526.	3.6	90
104	Control of Striatal Signaling by G Protein Regulators. Frontiers in Neuroanatomy, 2011, 5, 49.	1.7	36
105	Disruption of the Chaperonin Containing TCP-1 Function Affects Protein Networks Essential for Rod Outer Segment Morphogenesis and Survival. Molecular and Cellular Proteomics, 2011, 10, M110.000570.	3.8	32
106	Interaction of Transducin with Uncoordinated 119 Protein (UNC119). Journal of Biological Chemistry, 2011, 286, 28954-28962.	3.4	42
107	Type 5 G Protein Î² Subunit (GÎ²5) Controls the Interaction of Regulator of G Protein Signaling 9 (RGS9) with Membrane Anchors. Journal of Biological Chemistry, 2011, 286, 21806-21813.	3.4	21
108	Nuclear localization of the G protein Î²5/R7â€“regulator of G protein signaling protein complex is dependent on R7 binding protein. Journal of Neurochemistry, 2010, 113, 1101-1112.	3.9	22

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109	GÎ²5 recruits R7 RGS proteins to GIRK channels to regulate the timing of neuronal inhibitory signaling. Nature Neuroscience, 2010, 13, 661-663.	14.8	65
110	Homer 1a Gates the Induction Mechanism for Endocannabinoid-Mediated Synaptic Plasticity. Journal of Neuroscience, 2010, 30, 3072-3081.	3.6	49
111	Membrane Anchoring Subunits Specify Selective Regulation of RGS9Â·GÎ²5 GAP Complex in Photoreceptor Neurons. Journal of Neuroscience, 2010, 30, 13784-13793.	3.6	9
112	RGS6/GÎ²5 Complex Accelerates I _{KACh} Gating Kinetics in Atrial Myocytes and Modulates Parasympathetic Regulation of Heart Rate. Circulation Research, 2010, 107, 1350-1354.	4.5	83
113	Membrane Anchor R9AP Potentiates GTPase-accelerating Protein Activity of RGS11Â·GÎ²5 Complex and Accelerates Inactivation of the mGluR6-Go Signaling. Journal of Biological Chemistry, 2010, 285, 4781-4787.	3.4	26
114	A Conserved Protein Interaction Interface on the Type 5 G Protein Î² Subunit Controls Proteolytic Stability and Activity of R7 Family Regulator of G Protein Signaling Proteins. Journal of Biological Chemistry, 2010, 285, 41100-41112.	3.4	15
115	R7BP Complexes With RGS9-2 and RGS7 in the Striatum Differentially Control Motor Learning and Locomotor Responses to Cocaine. Neuropsychopharmacology, 2010, 35, 1040-1050.	5.4	46
116	Proteomic Identification of Hsc70 as a Mediator of RGS9-2 Degradation by In Vivo Interactome Analysis. Journal of Proteome Research, 2010, 9, 1510-1521.	3.7	15
117	Chapter 7 Biology and Functions of the RGS9 Isoforms. Progress in Molecular Biology and Translational Science, 2009, 86, 205-227.	1.7	23
118	Changes in Striatal Signaling Induce Remodeling of RGS Complexes Containing GÎ²5 and R7BP Subunits. Molecular and Cellular Biology, 2009, 29, 3033-3044.	2.3	31
119	Retina-Specific GTPase Accelerator RGS11/GÎ²5S/R9AP Is a Constitutive Heterotrimer Selectively Targeted to mGluR6 in ON-Bipolar Neurons. Journal of Neuroscience, 2009, 29, 9301-9313.	3.6	76
120	The R7 RGS Protein Family: Multi-Subunit Regulators of Neuronal G Protein Signaling. Cell Biochemistry and Biophysics, 2009, 54, 33-46.	1.8	126
121	A role of RGS proteins in drug addiction. Biochemical Pharmacology, 2008, 75, 76-84.	4.4	57
122	Functional comparison of RGS9 splice isoforms in a living cell. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20988-20993.	7.1	27
123	Targeting of RGS7/GÎ²5 to the Dendritic Tips of ON-Bipolar Cells Is Independent of Its Association with Membrane Anchor R7BP. Journal of Neuroscience, 2008, 28, 10443-10449.	3.6	48
124	Human Immunodeficiency Virus Protein Tat Induces Synapse Loss via a Reversible Process That Is Distinct from Cell Death. Journal of Neuroscience, 2008, 28, 12604-12613.	3.6	139
125	Expression and Localization of RGS9-2/G 5/R7BP Complex In Vivo Is Set by Dynamic Control of Its Constitutive Degradation by Cellular Cysteine Proteases. Journal of Neuroscience, 2007, 27, 14117-14127.	3.6	60
126	The Membrane Anchor R7BP Controls the Proteolytic Stability of the Striatal Specific RGS Protein, RGS9-2. Journal of Biological Chemistry, 2007, 282, 4772-4781.	3.4	59

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127	Localization and differential interaction of R7 RGS proteins with their membrane anchors R7BP and R9AP in neurons of vertebrate retina. Molecular and Cellular Neurosciences, 2007, 35, 311-319.	2.2	40
128	Kinetic Mechanism of RGS9-1 Potentiation by R9AP. Biochemistry, 2006, 45, 10690-10697.	2.5	37
129	RGS Expression Rate-Limits Recovery of Rod Photoresponses. Neuron, 2006, 51, 409-416.	8.1	244
130	Subcellular Targeting of RGS9-2 Is Controlled by Multiple Molecular Determinants on Its Membrane Anchor, R7BP. Journal of Biological Chemistry, 2006, 281, 15361-15369.	3.4	60
131	The N Terminus of GTPÎ³S-activated Transducin Î±-Subunit Interacts with the C Terminus of the cGMP Phosphodiesterase Î³-Subunit. Journal of Biological Chemistry, 2006, 281, 6194-6202.	3.4	20
132	R7BP, a Novel Neuronal Protein Interacting with RGS Proteins of the R7 Family. Journal of Biological Chemistry, 2005, 280, 5133-5136.	3.4	136
133	Sulfhydryl-Reactive, Cleavable, and Radioiodinatable Benzophenone Photoprobes for Study of Proteinâ^'Protein Interaction. Bioconjugate Chemistry, 2005, 16, 685-693.	3.6	26
134	Kinetic Approaches to Study the Function of RGS9 Isoforms. Methods in Enzymology, 2004, 390, 196-209.	1.0	12
135	Absence of the RGS9Â·Gβ5 GTPase-activating Complex in Photoreceptors of the R9AP Knockout Mouse. Journal of Biological Chemistry, 2004, 279, 1581-1584.	3.4	90
136	Defects in RGS9 or its anchor protein R9AP in patients with slow photoreceptor deactivation. Nature, 2004, 427, 75-78.	27.8	159
137	Specificity of G Protein-RGS Protein Recognition Is Regulated by Affinity Adapters. Neuron, 2003, 38, 857-862.	8.1	41
138	The DEP Domain Determines Subcellular Targeting of the GTPase Activating Protein RGS9In Vivo. Journal of Neuroscience, 2003, 23, 10175-10181.	3.6	113
139	Noncatalytic Domains of RGS9-1Â·Gβ5L Play a Decisive Role in Establishing Its Substrate Specificity. Journal of Biological Chemistry, 2002, 277, 32843-32848.	3.4	23
140	Specific Binding of RGS9-Gβ5L to Protein Anchor in Photoreceptor Membranes Greatly Enhances Its Catalytic Activity. Journal of Biological Chemistry, 2002, 277, 24376-24381.	3.4	67
141	Cell-Free Production of Biologically Active Polypeptides: Application to the Synthesis of Antibacterial Peptide Cecropin. Protein Expression and Purification, 2001, 21, 456-461.	1.3	67
142	Mutations in the G-domain of Elongation Factor G fromThermus thermophilus Affect Both Its Interaction with GTP and Fusidic Acid. Journal of Biological Chemistry, 2001, 276, 28774-28778.	3.4	24
143	RGS9-Gβ5 Substrate Selectivity in Photoreceptors. Journal of Biological Chemistry, 2001, 276, 37365-37372.	3.4	59
144	Domain III of Elongation Factor G from Thermus thermophilus Is Essential for Induction of GTP Hydrolysis on the Ribosome. Journal of Biological Chemistry, 2000, 275, 35820-35824.	3.4	25

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145	Structure of a mutant EF-G reveals domain III and possibly the fusidic acid binding site 1 1Edited by I. A. Wilson. Journal of Molecular Biology, 2000, 303, 593-603.	4.2	141
146	Extremely Thermostable Elongation Factor G from Aquifex aeolicus: Cloning, Expression, Purification, and Characterization in a Heterologous Translation System. Protein Expression and Purification, 2000, 18, 257-261.	1.3	5
147	Domain IV of elongation factor G fromThermus thermophilusis strictly required for translocation. FEBS Letters, 1999, 452, 155-159.	2.8	30