Patrick J Casey

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5920979/publications.pdf

Version: 2024-02-01

170 papers	17,796 citations	15504 65 h-index	12946 131 g-index
172 all docs	172 docs citations	172 times ranked	13705 citing authors

#	Article	IF	Citations
1	The emerging roles of Gî±12/13 proteins on the hallmarks of cancer in solid tumors. Oncogene, 2022, 41, 147-158.	5.9	15
2	Evaluating the Epithelial-Mesenchymal Program in Human Breast Epithelial Cells Cultured in Soft Agar Using a Novel Macromolecule Extraction Protocol. Cancers, 2021, 13, 807.	3.7	7
3	Suppression of isoprenylcysteine carboxylmethyltransferase compromises DNA damage repair. Life Science Alliance, 2021, 4, e202101144.	2.8	1
4	Isoprenylcysteine carboxylmethyltransferase is required for the impact of mutant KRAS on TAZ protein level and cancer cell self-renewal. Oncogene, 2020, 39, 5373-5389.	5.9	11
5	p21cip1/waf1 Coordinates Autophagy, Proliferation and Apoptosis in Response to Metabolic Stress. Cancers, 2019, 11, 1112.	3.7	31
6	Gî±-13 induces CXC motif chemokine ligand 5 expression in prostate cancer cells by transactivating NF-îºB. Journal of Biological Chemistry, 2019, 294, 18192-18206.	3.4	14
7	Respiratory Capacity and Reserve Predict Cell Sensitivity to Mitochondria Inhibitors: Mechanism-Based Markers to Identify Metformin-Responsive Cancers. Molecular Cancer Therapeutics, 2019, 18, 693-705.	4.1	18
8	GNA13 expression promotes drug resistance and tumor-initiating phenotypes in squamous cell cancers. Oncogene, 2018, 37, 1340-1353.	5.9	37
9	Inhibition of Isoprenylcysteine Carboxylmethyltransferase Induces Cell-Cycle Arrest and Apoptosis through p21 and p21-Regulated BNIP3 Induction in Pancreatic Cancer. Molecular Cancer Therapeutics, 2017, 16, 914-923.	4.1	47
10	c-Jun Contributes to Transcriptional Control of GNA12 Expression in Prostate Cancer Cells. Molecules, 2017, 22, 612.	3.8	14
11	Activation of MAPK/ERK signaling by Burkholderia pseudomallei cycle inhibiting factor (Cif). PLoS ONE, 2017, 12, e0171464.	2.5	7
12	GNA13 loss in germinal center B cells leads to impaired apoptosis and promotes lymphoma in vivo. Blood, 2016, 127, 2723-2731.	1.4	52
13	The GNA13-RhoA signaling axis suppresses expression of tumor protective Kallikreins. Cellular Signalling, 2016, 28, 1479-1488.	3.6	12
14	Inhibition of isoprenylcysteine carboxylmethyltransferase augments BCR-ABL1 tyrosine kinase inhibition-induced apoptosis in chronic myeloid leukemia. Experimental Hematology, 2016, 44, 189-193.e2.	0.4	11
15	Protein prenylation: unique fats make their mark on biology. Nature Reviews Molecular Cell Biology, 2016, 17, 110-122.	37.0	393
16	Protein Geranylgeranyltransferase Type 1 as a Target in Cancer. Current Cancer Drug Targets, 2016, 16, 563-571.	1.6	15
17	MicroRNA-31 controls G protein alpha-13 (GNA13) expression and cell invasion in breast cancer cells. Molecular Cancer, 2015, 14, 67.	19.2	67
18	An improved isoprenylcysteine carboxylmethyltransferase inhibitor induces cancer cell death and attenuates tumor growth in vivo. Cancer Biology and Therapy, 2014, 15, 1280-1291.	3.4	53

#	Article	IF	Citations
19	GÎ±z regulates BDNF-induction of axon growth in cortical neurons. Molecular and Cellular Neurosciences, 2014, 58, 53-61.	2.2	13
20	Inhibitory G proteins and their receptors: emerging therapeutic targets for obesity and diabetes. Experimental and Molecular Medicine, 2014, 46, e102-e102.	7.7	43
21	Breast cancer cell invasion mediated by GÎ±12 signaling involves expression of interleukins-6 and â^'8, and matrix metalloproteinase-2. Journal of Molecular Signaling, 2014, 9, 6.	0.5	39
22	Functionalized indoleamines as potent, drug-like inhibitorsÂof isoprenylcysteineÂcarboxyl methyltransferase (Icmt). European Journal of Medicinal Chemistry, 2013, 63, 378-386.	5.5	26
23	Deciphering the signaling networks underlying simvastatin-induced apoptosis in human cancer cells: evidence for non-canonical activation of RhoA and Rac1 GTPases. Cell Death and Disease, 2013, 4, e568-e568.	6.3	64
24	Control of RhoA Methylation by Carboxylesterase I. Journal of Biological Chemistry, 2013, 288, 19177-19183.	3.4	16
25	MicroRNA-182 and MicroRNA-200a Control G-protein Subunit Î±-13 (GNA13) Expression and Cell Invasion Synergistically in Prostate Cancer Cells. Journal of Biological Chemistry, 2013, 288, 7986-7995.	3.4	76
26	Deletion of GÎ±Z Protein Protects against Diet-induced Glucose Intolerance via Expansion of Î²-Cell Mass. Journal of Biological Chemistry, 2012, 287, 20344-20355.	3.4	39
27	The effects of GÎ±z signaling on pancreatic Î²â€cell function and mass. FASEB Journal, 2012, 26, 615.7.	0.5	1
28	G12 Signaling through c-Jun NH2-Terminal Kinase Promotes Breast Cancer Cell Invasion. PLoS ONE, 2011, 6, e26085.	2.5	21
29	RHO methylation matters. Cell Adhesion and Migration, 2011, 5, 11-15.	2.7	25
30	A Role for Rac3 GTPase in the Regulation of Autophagy. Journal of Biological Chemistry, 2011, 286, 35291-35298.	3.4	31
31	Site-specific analysis of protein S-acylation by resin-assisted capture. Journal of Lipid Research, 2011, 52, 393-398.	4.2	299
32	Prenylated C17orf37 Induces Filopodia Formation to Promote Cell Migration and Metastasis. Journal of Biological Chemistry, 2011, 286, 25935-25946.	3.4	31
33	The Enzymology of CAAX Protein Prenylation. The Enzymes, 2011, 30, 1-11.	1.7	2
34	Inhibition of isoprenylcysteine carboxylmethyltransferase induces autophagic-dependent apoptosis and impairs tumor growth. Oncogene, 2010, 29, 4959-4970.	5.9	62
35	Signaling Through Gz. , 2010, , 1649-1653.		7
36	Pharmacological Targeting of the Mitochondrial Phosphatase PTPMT1. Journal of Pharmacology and Experimental Therapeutics, 2010, 333, 584-592.	2.5	53

#	Article	IF	Citations
37	Rap1 Promotes Multiple Pancreatic Islet Cell Functions and Signals through Mammalian Target of Rapamycin Complex 1 to Enhance Proliferation. Journal of Biological Chemistry, 2010, 285, 15777-15785.	3.4	36
38	A Prenylated p47 -p67 -Rac1 Chimera Is a Quintessential NADPH Oxidase Activator. Journal of Biological Chemistry, 2010, 285, 25485-25499.	3.4	36
39	Amino Derivatives of Indole As Potent Inhibitors of Isoprenylcysteine Carboxyl Methyltransferase. Journal of Medicinal Chemistry, 2010, 53, 6838-6850.	6.4	44
40	Topology of Mammalian Isoprenylcysteine Carboxyl Methyltransferase Determined in Live Cells with a Fluorescent Probe. Molecular and Cellular Biology, 2009, 29, 1826-1833.	2.3	29
41	Role of Isoprenylcysteine Carboxylmethyltransferase-catalyzed Methylation in Rho Function and Migration. Journal of Biological Chemistry, 2009, 284, 27964-27973.	3.4	43
42	Activation of Rap1 Promotes Prostate Cancer Metastasis. Cancer Research, 2009, 69, 4962-4968.	0.9	126
43	Role of G12 proteins in oncogenesis and metastasis. British Journal of Pharmacology, 2009, 158, 32-40.	5.4	59
44	A high-performance liquid chromatography method for the quantification of cysmethynil, an inhibitor of isoprenylcysteine carboxylmethyl transferase, in mouse plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 553-557.	2.3	4
45	Discovery of Geranylgeranyltransferase-I Inhibitors with Novel Scaffolds by the Means of Quantitative Structureâ^'Activity Relationship Modeling, Virtual Screening, and Experimental Validation. Journal of Medicinal Chemistry, 2009, 52, 4210-4220.	6.4	36
46	Rho GTPase activity modulates Wnt3a/Î²-catenin signaling. Cellular Signalling, 2009, 21, 1559-1568.	3.6	46
47	Analogues of cysmethynil that demonstrate improved isoprenylcysteine carboxymethyltransferase (Icmt) inhibition activity and antiproliferative activity in MDAâ€MBâ€231 breast cancer cells. FASEB Journal, 2009, 23, 676.3.	0.5	0
48	Targeting Isoprenylcysteine Carboxyl Methyltransferase to Overcome Resistance and Improve Responses in Chronic Myeloid Leukemia.. Blood, 2009, 114, 3273-3273.	1.4	0
49	Interacting Targets of the Farnesyl of Transducin Î³-Subunit. Biochemistry, 2008, 47, 8424-8433.	2.5	7
50	GÎ±z Negatively Regulates Insulin Secretion and Glucose Clearance. Journal of Biological Chemistry, 2008, 283, 4560-4567.	3.4	44
51	Î²-Catenin is a Nek2 substrate involved in centrosome separation. Genes and Development, 2008, 22, 91-105.	5.9	196
52	A Global Partnership in Medical Education Between Duke University and the National University of Singapore. Academic Medicine, 2008, 83, 122-127.	1.6	46
53	A Small Molecule Inhibitor of Isoprenylcysteine Carboxymethyltransferase Induces Autophagic Cell Death in PC3 Prostate Cancer Cells. Journal of Biological Chemistry, 2008, 283, 18678-18684.	3.4	102
54	Effects of Pharmacologic Inhibition of Protein Geranylgeranyltransferase Type I on Aqueous Humor Outflow through the Trabecular Meshwork. , 2008, 49, 2464.		16

#	Article	IF	Citations
55	Advantage of 2Dâ€QSAR in the discovery of novel protein geranylgeranyltransferase inhibitor (GGTI) scaffolds. FASEB Journal, 2008, 22, 720.6.	0.5	0
56	G12 signaling through JNK promotes breast cancer cell invasion. FASEB Journal, 2008, 22, 1044.1.	0.5	0
57	Rap1 promotes Prostate Cancer metastasis. FASEB Journal, 2008, 22, 1029.7.	0.5	0
58	Gĺ± z negatively regulates insulin secretion and glucose clearance. FASEB Journal, 2008, 22, 646.7.	0.5	0
59	Time-Dependent Inhibition of Isoprenylcysteine Carboxyl Methyltransferase by Indole-Based Small Moleculesâ€. Biochemistry, 2007, 46, 554-560.	2.5	23
60	Biologic Functions of the G12 Subfamily of Heterotrimeric G Proteins:Â Growth, Migration, and Metastasisâ€. Biochemistry, 2007, 46, 6677-6687.	2.5	125
61	Quantitative structureâ€“activity relationship (QSAR) of indoloacetamides as inhibitors of human isoprenylcysteine carboxyl methyltransferase. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 1025-1032.	2.2	10
62	GGTase-I deficiency reduces tumor formation and improves survival in mice with K-RASâ€“induced lung cancer. Journal of Clinical Investigation, 2007, 117, 1294-1304.	8.2	101
63	Conversion of Protein Farnesyltransferase to a Geranylgeranyltransferaseâ€. Biochemistry, 2006, 45, 9746-9755.	2.5	32
64	Genetic and Pharmacologic Analyses of the Role of Icmt in Ras Membrane Association and Function. Methods in Enzymology, 2006, 407, 144-159.	1.0	17
65	The G12 family of heterotrimeric G proteins promotes breast cancer invasion and metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8173-8178.	7.1	150
66	The Regulator of G Protein Signaling Domain of Axin Selectively Interacts with Gĺ±12 but Not Gĺ±13. Molecular Pharmacology, 2006, 70, 1461-1468.	2.3	41
67	A Role for the G12 Family of Heterotrimeric G Proteins in Prostate Cancer Invasion. Journal of Biological Chemistry, 2006, 281, 26483-26490.	3.4	122
68	A Novel Protein Geranylgeranyltransferase-I Inhibitor with High Potency, Selectivity, and Cellular Activity*. Journal of Biological Chemistry, 2006, 281, 12445-12450.	3.4	62
69	Post-prenylation-processing enzymes as new targets in oncogenesis. Nature Reviews Cancer, 2005, 5, 405-412.	28.4	315
70	Protein farnesyltransferase in embryogenesis, adult homeostasis, and tumor development. Cancer Cell, 2005, 7, 313-324.	16.8	106
71	Androgen Receptor Activation by Gs Signaling in Prostate Cancer Cells. Journal of Biological Chemistry, 2005, 280, 11583-11589.	3.4	71
72	A small-molecule inhibitor of isoprenylcysteine carboxyl methyltransferase with antitumor activity in cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4336-4341.	7.1	168

#	Article	IF	Citations
73	A Role for Gz in Pancreatic Islet Î²-Cell Biology. Journal of Biological Chemistry, 2005, 280, 31708-31713.	3.4	44
74	Selective Uncoupling of GÎ±12 from Rho-mediated Signaling. Journal of Biological Chemistry, 2005, 280, 18049-18055.	3.4	37
75	Rap1 GTPase Inhibits Leukocyte Transmigration by Promoting Endothelial Barrier Function. Journal of Biological Chemistry, 2005, 280, 11675-11682.	3.4	152
76	Involvement of a Mitochondrial Phosphatase in the Regulation of ATP Production and Insulin Secretion in Pancreatic Î² Cells. Molecular Cell, 2005, 19, 197-207.	9.7	138
77	Pertussis-toxin-sensitive GÎ± subunits selectively bind to C-terminal domain of neuronal GIRK channels: evidence for a heterotrimeric G-protein-channel complex. Molecular and Cellular Neurosciences, 2005, 28, 375-389.	2.2	77
78	On the Physiological Importance of Endoproteolysis of CAAX Proteins. Journal of Biological Chemistry, 2004, 279, 4729-4736.	3.4	57
79	Identification of a Role for Î²-Catenin in the Establishment of a Bipolar Mitotic Spindle. Journal of Biological Chemistry, 2004, 279, 10829-10832.	3.4	114
80	Reciprocal Signaling between the Transcriptional Co-Factor Eya2 and Specific Members of the GÎ±i Family. Molecular Pharmacology, 2004, 66, 1325-1331.	2.3	31
81	Analysis of the kinetic mechanism of recombinant human isoprenylcysteine carboxylmethyltransferase (Icmt). BMC Biochemistry, 2004, 5, 19.	4.4	35
82	Analysis of the Molecular Interaction of the Farnesyl Moiety of Transducin through the Use of a Photoreactive Farnesyl Analogue. Biochemistry, 2004, 43, 300-309.	2.5	8
83	Improved Loading and Cleavage Methods for Solid-Phase Synthesis Using Chlorotrityl Resins:Â Synthesis and Testing of a Library of 144 Discrete Chemicals as Potential Farnesyltransferase Inhibitors. ACS Combinatorial Science, 2004, 6, 407-413.	3.3	16
84	Crystallographic Analysis of CaaX Prenyltransferases Complexed with Substrates Defines Rules of Protein Substrate Selectivity. Journal of Molecular Biology, 2004, 343, 417-433.	4.2	244
85	Analysis of the Regulation of Microtubule Dynamics by Interaction of RGSZ1 (RGS20) with the Neuronal Stathmin, SCG10. Methods in Enzymology, 2004, 390, 53-64.	1.0	8
86	Inactivation of Icmt inhibits transformation by oncogenic K-Ras and B-Raf. Journal of Clinical Investigation, 2004, 113, 539-550.	8.2	95
87	Inactivation of Icmt inhibits transformation by oncogenic K-Ras and B-Raf. Journal of Clinical Investigation, 2004, 113, 539-550.	8.2	147
88	Structure of mammalian protein geranylgeranyltransferase type-I. EMBO Journal, 2003, 22, 5963-5974.	7.8	116
89	Kinetic Studies of Protein Farnesyltransferase Mutants Establish Active Substrate Conformationâ€. Biochemistry, 2003, 42, 9741-9748.	2.5	55
90	Targeting Ras signaling through inhibition of carboxyl methylation: An unexpected property of methotrexate. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6529-6534.	7.1	140

#	Article	IF	Citations
91	High Affinity for Farnesyltransferase and Alternative Prenylation Contribute Individually to K-Ras4B Resistance to Farnesyltransferase Inhibitors. Journal of Biological Chemistry, 2003, 278, 41718-41727.	3.4	80
92	Signaling through Gz. , 2003, , 601-604.		1
93	GÎ±12 and GÎ±13 Negatively Regulate the Adhesive Functions of Cadherin. Journal of Biological Chemistry, 2002, 277, 24594-24600.	3.4	104
94	Prenylcysteine Lyase Deficiency in Mice Results in the Accumulation of Farnesylcysteine and Geranylgeranylcysteine in Brain and Liver. Journal of Biological Chemistry, 2002, 277, 38358-38363.	3.4	21
95	Stereospecificity and Kinetic Mechanism of Human Prenylcysteine Lyase, an Unusual Thioether Oxidase. Journal of Biological Chemistry, 2002, 277, 41086-41093.	3.4	18
96	Prenylation of CaaX-type proteins: Basic principles through clinical applications. Current Topics in Membranes, 2002, , 531-550.	0.9	7
97	Absence of the CAAX Endoprotease Rce1: Effects on Cell Growth and Transformation. Molecular and Cellular Biology, 2002, 22, 171-181.	2.3	144
98	Activation of Gz Attenuates Rap1-mediated Differentiation of PC12 Cells. Journal of Biological Chemistry, 2002, 277, 43417-43424.	3.4	64
99	The Interaction of RGSZ1 with SCG10 Attenuates the Ability of SCG10 to Promote Microtubule Disassembly. Journal of Biological Chemistry, 2002, 277, 18127-18133.	3.4	34
100	Reaction path of protein farnesyltransferase at atomic resolution. Nature, 2002, 419, 645-650.	27.8	183
101	Overview of the Alliance for Cellular Signaling. Nature, 2002, 420, 703-706.	27.8	134
102	Protein farnesyltransferase exhibits pH-dependent activity towards H-Ras peptide substrates. , 2002, , 463-464.		0
103	Farnesylation of Nonpeptidic Thiol Compounds by Protein Farnesyltransferaseâ€. Biochemistry, 2001, 40, 1002-1010.	2.5	19
104	Lysine164Î± of protein farnesyltransferase is important for both CaaX substrate binding and catalysis. Biochemical Journal, 2001, 360, 625-631.	3.7	11
105	1 Mechanism of catalysis by protein farnesyltransferase. The Enzymes, 2001, , 1-18.	1.7	4
106	Non-peptidic, non-prenylic inhibitors of the prenyl protein-specific protease Rce1. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 425-427.	2.2	31
107	Lysosomal Prenylcysteine Lyase Is a FAD-dependent Thioether Oxidase. Journal of Biological Chemistry, 2001, 276, 2321-2324.	3.4	37
108	Distinct Regions of the Cadherin Cytoplasmic Domain Are Essential for Functional Interaction with GÎ±12 and Î²-Catenin. Journal of Biological Chemistry, 2001, 276, 44037-44043.	3.4	47

#	Article	IF	Citations
109	Isoprenylcysteine Carboxyl Methyltransferase Deficiency in Mice. Journal of Biological Chemistry, 2001, 276, 5841-5845.	3.4	146
110	Phosphorylation and Nuclear Translocation of a Regulator of G Protein Signaling (RGS10). Journal of Biological Chemistry, 2001, 276, 32828-32834.	3.4	90
111	Lysine164Î± of protein farnesyltransferase is important for both CaaX substrate binding and catalysis. Biochemical Journal, 2001, 360, 625.	3.7	5
112	The basis for K-Ras4B binding specificity to protein farnesyl-transferase revealed by 2 Ã... resolution ternary complex structures. Structure, 2000, 8, 209-222.	3.3	112
113	The C-terminal Polylysine Region and Methylation of K-Ras Are Critical for the Interaction between K-Ras and Microtubules. Journal of Biological Chemistry, 2000, 275, 41251-41257.	3.4	78
114	Targeted Inactivation of the Isoprenylcysteine Carboxyl Methyltransferase Gene Causes Mislocalization of K-Ras in Mammalian Cells. Journal of Biological Chemistry, 2000, 275, 17605-17610.	3.4	148
115	Conversion of Tyr361Î² to Leu in Mammalian Protein Farnesyltransferase Impairs Product Release but Not Substrate Recognitionâ€. Biochemistry, 2000, 39, 13651-13659.	2.5	11
116	Functional Interaction between GÎ±z and Rap1GAP Suggests a Novel Form of Cellular Cross-talk. Journal of Biological Chemistry, 1999, 274, 36663-36669.	3.4	81
117	Disruption of the Mouse Rce1 Gene Results in Defective Ras Processing and Mislocalization of Ras within Cells. Journal of Biological Chemistry, 1999, 274, 8383-8390.	3.4	161
118	Cloning, Expression, and Cellular Localization of a Human Prenylcysteine Lyase. Journal of Biological Chemistry, 1999, 274, 35802-35808.	3.4	29
119	Cloning and Characterization of a Mammalian Prenyl Protein-specific Protease. Journal of Biological Chemistry, 1999, 274, 8379-8382.	3.4	140
120	H-Ras Peptide and Protein Substrates Bind Protein Farnesyltransferase as an Ionized Thiolate. Biochemistry, 1998, 37, 15555-15562.	2.5	99
121	Kinetic Analysis of Zinc Ligand Mutants of Mammalian Protein Farnesyltransferaseâ€. Biochemistry, 1998, 37, 4465-4472.	2.5	48
122	Cocrystal Structure of Protein Farnesyltransferase Complexed with a Farnesyl Diphosphate Substrateâ€,â€¡. Biochemistry, 1998, 37, 9612-9618.	2.5	164
123	RGSZ1, a Gz-selective Regulator of G Protein Signaling Whose Action Is Sensitive to the Phosphorylation State of GzÎ±. Journal of Biological Chemistry, 1998, 273, 26008-26013.	3.4	116
124	Prenylation-dependent Association of Ki-Ras with Microtubules. Journal of Biological Chemistry, 1997, 272, 30362-30370.	3.4	106
125	Evidence for a Catalytic Role of Zinc in Protein Farnesyltransferase. Journal of Biological Chemistry, 1997, 272, 20-23.	3.4	128
126	Farnesyltransferase Inhibitors Alter the Prenylation and Growth-stimulating Function of RhoB. Journal of Biological Chemistry, 1997, 272, 15591-15594.	3.4	179

#	Article	IF	Citations
127	Substrate Binding Is Required for Release of Product from Mammalian Protein Farnesyltransferase. Journal of Biological Chemistry, 1997, 272, 9989-9993.	3.4	88
128	Isolation and Characterization of a Prenylcysteine Lyase from Bovine Brain. Journal of Biological Chemistry, 1997, 272, 23354-23359.	3.4	38
129	Signalling functions and biochemical properties of pertussis toxin-resistant G-proteins. Biochemical Journal, 1997, 321, 561-571.	3.7	257
130	Crystal Structure of Protein Farnesyltransferase at 2.25 Angstrom Resolution. Science, 1997, 275, 1800-1805.	12.6	366
131	Can prenylcysteines be exploited as ligands for mammalian multidrug-resistance transporters?. Chemistry and Biology, 1997, 4, 711-715.	6.0	1
132	PROTEIN PRENYLATION: Molecular Mechanisms and Functional Consequences. Annual Review of Biochemistry, 1996, 65, 241-269.	11.1	1,900
133	Substitution of Cadmium for Zinc in Farnesyl:Protein Transferase Alters Its Substrate Specificityâ€. Biochemistry, 1996, 35, 8166-8171.	2.5	39
134	[8] Assays for G protein Î²Î³ subunit activity. Methods in Neurosciences, 1996, 29, 90-100.	0.5	0
135	Influence of metal ions on substrate binding and catalytic activity of mammalian protein geranylgeranyltransferase type-I. Biochemical Journal, 1996, 320, 925-932.	3.7	54
136	The role of prenylation in G-protein assembly and function. Cellular Signalling, 1996, 8, 433-437.	3.6	66
137	Kinetics of Protein Farnesyltransferase: Sigmoidal vs Hyperbolic Behavior as a Function of Assay Conditions. Analytical Biochemistry, 1996, 243, 80-85.	2.4	19
138	RGS10 is a selective activator of GÎ±i GTPase activity. Nature, 1996, 383, 175-177.	27.8	346
139	Protein Prenyltransferases. Journal of Biological Chemistry, 1996, 271, 5289-5292.	3.4	667
140	Arachidonate and Related Unsaturated Fatty Acids Selectively Inactivate the Guanine Nucleotide-binding Regulatory Protein, GzÎ±. Journal of Biological Chemistry, 1996, 271, 2949-2954.	3.4	49
141	The Hepatitis Delta Virus Large Antigen Is Farnesylated Both in Vitro and in Animal Cells. Journal of Biological Chemistry, 1996, 271, 4569-4572.	3.4	82
142	Identification of a Cysteine Residue Essential for Activity of Protein Farnesyltransferase. Journal of Biological Chemistry, 1996, 271, 28541-28548.	3.4	41
143	Mechanisms of protein prenylation and role in G protein function. Biochemical Society Transactions, 1995, 23, 161-166.	3.4	31
144	[14] Prenylated peptides in identification of specific binding proteins. Methods in Enzymology, 1995, 250, 158-168.	1.0	3

#	Article	IF	Citations
145	[2] Isolation of protein prenyltransferases from bovine brain and baculovirus expression system. Methods in Enzymology, 1995, 250, 12-21.	1.0	25
146	Characterization of Prenylcysteines That Interact with P-glycoprotein and Inhibit Drug Transport in Tumor Cells. Journal of Biological Chemistry, 1995, 270, 22859-22865.	3.4	37
147	Phosphorylation of GzÎ± by Protein Kinase C Blocks Interaction with the Î²Î³ Complex. Journal of Biological Chemistry, 1995, 270, 23119-23125.	3.4	93
148	Protein lipidation in cell signaling. Science, 1995, 268, 221-225.	12.6	770
149	Evidence that direct binding of GÎ²Î³ to the GIRK1 G protein-gated inwardly rectifying K+ channel is important for channel activation. Neuron, 1995, 15, 1133-1143.	8.1	316
150	Protein farnesyltransferase: kinetics of farnesyl pyrophosphate binding and product release. Biochemistry, 1995, 34, 6857-6862.	2.5	173
151	Lipid modifications of G proteins. Current Opinion in Cell Biology, 1994, 6, 219-225.	5.4	191
152	Subtype-Specific Binding of Azidoanilido-GTP by Purified G Protein .alpha. Subunits. Biochemistry, 1994, 33, 6877-6883.	2.5	26
153	Prenylation and G Protein Signaling. , 1994, 49, 215-238.		14
154	Lipid Modifications of GTP-Binding Regulatory Proteins. , 1993, , 45-54.		0
155	Evidence of a role for heterotrimeric GTP-binding proteins in endosome fusion. Science, 1992, 255, 1695-1697.	12.6	141
156	Role of beta gamma subunits of G proteins in targeting the beta-adrenergic receptor kinase to membrane-bound receptors. Science, 1992, 257, 1264-1267.	12.6	712
157	Visual differences. Nature, 1992, 359, 671-672.	27.8	15
158	Rac1, a low-molecular-mass GTP-binding-protein with high intrinsic GTPase activity and distinct biochemical properties. FEBS Journal, 1992, 206, 537-546.	0.2	47
159	Protein farnesyltransferase and geranylgeranyltransferase share a common Î± subunit. Cell, 1991, 65, 429-434.	28.9	377
160	[27] Assay of g-protein Î²Î³-subunit complex by catalytic support of ADP-ribosylation of GoÎ±. Methods in Enzymology, 1991, 195, 315-321.	1.0	12
161	Enzymatic modification of proteins with a geranylgeranyl isoprenoid.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 8631-8635.	7.1	174
162	Novel localization of a G protein, Gz-alpha, in neurons of brain and retina. Journal of Neuroscience, 1990, 10, 2763-2770.	3.6	73

#	Article	IF	Citations
163	G protein gamma subunits contain a 20-carbon isoprenoid.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 5873-5877.	7.1	259
164	Inhibition of purified p21ras farnesyl:protein transferase by Cys-AAX tetrapeptides. Cell, 1990, 62, 81-88.	28.9	827
165	G protein .beta..gamma. subunits from bovine brain and retina: equivalent catalytic support of ADP-ribosylation of .alpha. subunits by pertussis toxin but differential interactions with Gs.alpha.. Biochemistry, 1989, 28, 611-616.	2.5	144
166	p21ras is modified by a farnesyl isoprenoid.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 8323-8327.	7.1	855
167	Myristoylated alpha subunits of guanine nucleotide-binding regulatory proteins.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 7493-7497.	7.1	295
168	Inhibition of adenylosuccinate lyase by L-alanosyl-5-aminoimidazole-4-carboxylic acid ribonucleotide (alanosyl-aicor). Biochemical Pharmacology, 1987, 36, 705-709.	4.4	11
169	Protein farnesyltransferase, beta subunit. The AFCS-nature Molecule Pages, 0, , .	0.2	0
170	Icmt. The AFCS-nature Molecule Pages, 0, , .	0.2	0