

Patrick J Casey

List of Publications by Year in descending order

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170
papers

17,796
citations

15466

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h-index

12910

131
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172
all docs

172
docs citations

172
times ranked

13705
citing authors

#	ARTICLE	IF	CITATIONS
1	The emerging roles of G12/13 proteins on the hallmarks of cancer in solid tumors. <i>Oncogene</i> , 2022, 41, 147-158.	2.6	15
2	Evaluating the Epithelial-Mesenchymal Program in Human Breast Epithelial Cells Cultured in Soft Agar Using a Novel Macromolecule Extraction Protocol. <i>Cancers</i> , 2021, 13, 807.	1.7	7
3	Suppression of isoprenylcysteine carboxymethyltransferase compromises DNA damage repair. <i>Life Science Alliance</i> , 2021, 4, e202101144.	1.3	1
4	Isoprenylcysteine carboxymethyltransferase is required for the impact of mutant KRAS on TAZ protein level and cancer cell self-renewal. <i>Oncogene</i> , 2020, 39, 5373-5389.	2.6	11
5	p21cip1/waf1 Coordinates Autophagy, Proliferation and Apoptosis in Response to Metabolic Stress. <i>Cancers</i> , 2019, 11, 1112.	1.7	31
6	G13 induces CXC motif chemokine ligand 5 expression in prostate cancer cells by transactivating NF- κ B. <i>Journal of Biological Chemistry</i> , 2019, 294, 18192-18206.	1.6	14
7	Respiratory Capacity and Reserve Predict Cell Sensitivity to Mitochondria Inhibitors: Mechanism-Based Markers to Identify Metformin-Responsive Cancers. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 693-705.	1.9	18
8	GNA13 expression promotes drug resistance and tumor-initiating phenotypes in squamous cell cancers. <i>Oncogene</i> , 2018, 37, 1340-1353.	2.6	37
9	Inhibition of Isoprenylcysteine Carboxymethyltransferase Induces Cell-Cycle Arrest and Apoptosis through p21 and p21-Regulated BNIP3 Induction in Pancreatic Cancer. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 914-923.	1.9	47
10	c-Jun Contributes to Transcriptional Control of GNA12 Expression in Prostate Cancer Cells. <i>Molecules</i> , 2017, 22, 612.	1.7	14
11	Activation of MAPK/ERK signaling by <i>Burkholderia pseudomallei</i> cycle inhibiting factor (Cif). <i>PLoS ONE</i> , 2017, 12, e0171464.	1.1	7
12	GNA13 loss in germinal center B cells leads to impaired apoptosis and promotes lymphoma in vivo. <i>Blood</i> , 2016, 127, 2723-2731.	0.6	52
13	The GNA13-RhoA signaling axis suppresses expression of tumor protective Kallikreins. <i>Cellular Signalling</i> , 2016, 28, 1479-1488.	1.7	12
14	Inhibition of isoprenylcysteine carboxymethyltransferase augments BCR-ABL1 tyrosine kinase inhibition-induced apoptosis in chronic myeloid leukemia. <i>Experimental Hematology</i> , 2016, 44, 189-193.e2.	0.2	11
15	Protein prenylation: unique fats make their mark on biology. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 110-122.	16.1	393
16	Protein Geranylgeranyltransferase Type 1 as a Target in Cancer. <i>Current Cancer Drug Targets</i> , 2016, 16, 563-571.	0.8	15
17	MicroRNA-31 controls G protein alpha-13 (GNA13) expression and cell invasion in breast cancer cells. <i>Molecular Cancer</i> , 2015, 14, 67.	7.9	67
18	An improved isoprenylcysteine carboxymethyltransferase inhibitor induces cancer cell death and attenuates tumor growth in vivo. <i>Cancer Biology and Therapy</i> , 2014, 15, 1280-1291.	1.5	53

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19	GÎ±z regulates BDNF-induction of axon growth in cortical neurons. <i>Molecular and Cellular Neurosciences</i> , 2014, 58, 53-61.	1.0	13
20	Inhibitory G proteins and their receptors: emerging therapeutic targets for obesity and diabetes. <i>Experimental and Molecular Medicine</i> , 2014, 46, e102-e102.	3.2	43
21	Breast cancer cell invasion mediated by GÎ±12 signaling involves expression of interleukins-6 and Î±8, and matrix metalloproteinase-2. <i>Journal of Molecular Signaling</i> , 2014, 9, 6.	0.5	39
22	Functionalized indoleamines as potent, drug-like inhibitors of isoprenylcysteine carboxyl methyltransferase (Icmt). <i>European Journal of Medicinal Chemistry</i> , 2013, 63, 378-386.	2.6	26
23	Deciphering the signaling networks underlying simvastatin-induced apoptosis in human cancer cells: evidence for non-canonical activation of RhoA and Rac1 GTPases. <i>Cell Death and Disease</i> , 2013, 4, e568-e568.	2.7	64
24	Control of RhoA Methylation by Carboxylesterase I. <i>Journal of Biological Chemistry</i> , 2013, 288, 19177-19183.	1.6	16
25	MicroRNA-182 and MicroRNA-200a Control G-protein Subunit Î±-13 (GNA13) Expression and Cell Invasion Synergistically in Prostate Cancer Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 7986-7995.	1.6	76
26	Deletion of GÎ±Z Protein Protects against Diet-induced Glucose Intolerance via Expansion of Î±2-Cell Mass. <i>Journal of Biological Chemistry</i> , 2012, 287, 20344-20355.	1.6	39
27	The effects of GÎ±z signaling on pancreatic Î± cell function and mass. <i>FASEB Journal</i> , 2012, 26, 615.7.	0.2	1
28	G12 Signaling through c-Jun NH2-Terminal Kinase Promotes Breast Cancer Cell Invasion. <i>PLoS ONE</i> , 2011, 6, e26085.	1.1	21
29	RHO methylation matters. <i>Cell Adhesion and Migration</i> , 2011, 5, 11-15.	1.1	25
30	A Role for Rac3 GTPase in the Regulation of Autophagy. <i>Journal of Biological Chemistry</i> , 2011, 286, 35291-35298.	1.6	31
31	Site-specific analysis of protein S-acylation by resin-assisted capture. <i>Journal of Lipid Research</i> , 2011, 52, 393-398.	2.0	299
32	Prenylated C17orf37 Induces Filopodia Formation to Promote Cell Migration and Metastasis. <i>Journal of Biological Chemistry</i> , 2011, 286, 25935-25946.	1.6	31
33	The Enzymology of CAAX Protein Prenylation. <i>The Enzymes</i> , 2011, 30, 1-11.	0.7	2
34	Inhibition of isoprenylcysteine carboxylmethyltransferase induces autophagic-dependent apoptosis and impairs tumor growth. <i>Oncogene</i> , 2010, 29, 4959-4970.	2.6	62
35	Signaling Through Gz. , 2010, , 1649-1653.		7
36	Pharmacological Targeting of the Mitochondrial Phosphatase PTPMT1. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 333, 584-592.	1.3	53

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37	Rap1 Promotes Multiple Pancreatic Islet Cell Functions and Signals through Mammalian Target of Rapamycin Complex 1 to Enhance Proliferation. <i>Journal of Biological Chemistry</i> , 2010, 285, 15777-15785.	1.6	36
38	A Prenylated p47-p67-Rac1 Chimera Is a Quintessential NADPH Oxidase Activator. <i>Journal of Biological Chemistry</i> , 2010, 285, 25485-25499.	1.6	36
39	Amino Derivatives of Indole As Potent Inhibitors of Isoprenylcysteine Carboxyl Methyltransferase. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6838-6850.	2.9	44
40	Topology of Mammalian Isoprenylcysteine Carboxyl Methyltransferase Determined in Live Cells with a Fluorescent Probe. <i>Molecular and Cellular Biology</i> , 2009, 29, 1826-1833.	1.1	29
41	Role of Isoprenylcysteine Carboxymethyltransferase-catalyzed Methylation in Rho Function and Migration. <i>Journal of Biological Chemistry</i> , 2009, 284, 27964-27973.	1.6	43
42	Activation of Rap1 Promotes Prostate Cancer Metastasis. <i>Cancer Research</i> , 2009, 69, 4962-4968.	0.4	126
43	Role of G12 proteins in oncogenesis and metastasis. <i>British Journal of Pharmacology</i> , 2009, 158, 32-40.	2.7	59
44	A high-performance liquid chromatography method for the quantification of cysmethynil, an inhibitor of isoprenylcysteine carboxymethyl transferase, in mouse plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 553-557.	1.2	4
45	Discovery of Geranylgeranyltransferase-I Inhibitors with Novel Scaffolds by the Means of Quantitative Structure-Activity Relationship Modeling, Virtual Screening, and Experimental Validation. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4210-4220.	2.9	36
46	Rho GTPase activity modulates Wnt3a/ β 2-catenin signaling. <i>Cellular Signalling</i> , 2009, 21, 1559-1568.	1.7	46
47	Analogues of cysmethynil that demonstrate improved isoprenylcysteine carboxymethyltransferase (lcmt) inhibition activity and antiproliferative activity in MDA-MB-231 breast cancer cells. <i>FASEB Journal</i> , 2009, 23, 676.3.	0.2	0
48	Targeting Isoprenylcysteine Carboxyl Methyltransferase to Overcome Resistance and Improve Responses in Chronic Myeloid Leukemia.. <i>Blood</i> , 2009, 114, 3273-3273.	0.6	0
49	Interacting Targets of the Farnesyl of Transducin β 3-Subunit. <i>Biochemistry</i> , 2008, 47, 8424-8433.	1.2	7
50	β 2 Negatively Regulates Insulin Secretion and Glucose Clearance. <i>Journal of Biological Chemistry</i> , 2008, 283, 4560-4567.	1.6	44
51	β 2-Catenin is a Nek2 substrate involved in centrosome separation. <i>Genes and Development</i> , 2008, 22, 91-105.	2.7	196
52	A Global Partnership in Medical Education Between Duke University and the National University of Singapore. <i>Academic Medicine</i> , 2008, 83, 122-127.	0.8	46
53	A Small Molecule Inhibitor of Isoprenylcysteine Carboxymethyltransferase Induces Autophagic Cell Death in PC3 Prostate Cancer Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 18678-18684.	1.6	102
54	Effects of Pharmacologic Inhibition of Protein Geranylgeranyltransferase Type I on Aqueous Humor Outflow through the Trabecular Meshwork. , 2008, 49, 2464.		16

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55	Advantage of 2D-QSAR in the discovery of novel protein geranylgeranyltransferase inhibitor (GGTI) scaffolds. <i>FASEB Journal</i> , 2008, 22, 720.6.	0.2	0
56	G12 signaling through JNK promotes breast cancer cell invasion. <i>FASEB Journal</i> , 2008, 22, 1044.1.	0.2	0
57	Rap1 promotes Prostate Cancer metastasis. <i>FASEB Journal</i> , 2008, 22, 1029.7.	0.2	0
58	G12 α negatively regulates insulin secretion and glucose clearance. <i>FASEB Journal</i> , 2008, 22, 646.7.	0.2	0
59	Time-Dependent Inhibition of Isoprenylcysteine Carboxyl Methyltransferase by Indole-Based Small Molecules. <i>Biochemistry</i> , 2007, 46, 554-560.	1.2	23
60	Biologic Functions of the G12 Subfamily of Heterotrimeric G Proteins: Growth, Migration, and Metastasis. <i>Biochemistry</i> , 2007, 46, 6677-6687.	1.2	125
61	Quantitative structure-activity relationship (QSAR) of indoloacetamides as inhibitors of human isoprenylcysteine carboxyl methyltransferase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 1025-1032.	1.0	10
62	GGTase-I deficiency reduces tumor formation and improves survival in mice with K-RAS-induced lung cancer. <i>Journal of Clinical Investigation</i> , 2007, 117, 1294-1304.	3.9	101
63	Conversion of Protein Farnesyltransferase to a Geranylgeranyltransferase. <i>Biochemistry</i> , 2006, 45, 9746-9755.	1.2	32
64	Genetic and Pharmacologic Analyses of the Role of Icmt in Ras Membrane Association and Function. <i>Methods in Enzymology</i> , 2006, 407, 144-159.	0.4	17
65	The G12 family of heterotrimeric G proteins promotes breast cancer invasion and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8173-8178.	3.3	150
66	The Regulator of G Protein Signaling Domain of Axin Selectively Interacts with G12 but Not G13. <i>Molecular Pharmacology</i> , 2006, 70, 1461-1468.	1.0	41
67	A Role for the G12 Family of Heterotrimeric G Proteins in Prostate Cancer Invasion. <i>Journal of Biological Chemistry</i> , 2006, 281, 26483-26490.	1.6	122
68	A Novel Protein Geranylgeranyltransferase-I Inhibitor with High Potency, Selectivity, and Cellular Activity*. <i>Journal of Biological Chemistry</i> , 2006, 281, 12445-12450.	1.6	62
69	Post-prenylation-processing enzymes as new targets in oncogenesis. <i>Nature Reviews Cancer</i> , 2005, 5, 405-412.	12.8	315
70	Protein farnesyltransferase in embryogenesis, adult homeostasis, and tumor development. <i>Cancer Cell</i> , 2005, 7, 313-324.	7.7	106
71	Androgen Receptor Activation by Gs Signaling in Prostate Cancer Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 11583-11589.	1.6	71
72	A small-molecule inhibitor of isoprenylcysteine carboxyl methyltransferase with antitumor activity in cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4336-4341.	3.3	168

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73	A Role for Gz in Pancreatic Islet β^2 -Cell Biology. <i>Journal of Biological Chemistry</i> , 2005, 280, 31708-31713.	1.6	44
74	Selective Uncoupling of G_{i2} from Rho-mediated Signaling. <i>Journal of Biological Chemistry</i> , 2005, 280, 18049-18055.	1.6	37
75	Rap1 GTPase Inhibits Leukocyte Transmigration by Promoting Endothelial Barrier Function. <i>Journal of Biological Chemistry</i> , 2005, 280, 11675-11682.	1.6	152
76	Involvement of a Mitochondrial Phosphatase in the Regulation of ATP Production and Insulin Secretion in Pancreatic β^2 Cells. <i>Molecular Cell</i> , 2005, 19, 197-207.	4.5	138
77	Pertussis-toxin-sensitive $G_{i\pm}$ subunits selectively bind to C-terminal domain of neuronal GIRK channels: evidence for a heterotrimeric G-protein-channel complex. <i>Molecular and Cellular Neurosciences</i> , 2005, 28, 375-389.	1.0	77
78	On the Physiological Importance of Endoproteolysis of CAAX Proteins. <i>Journal of Biological Chemistry</i> , 2004, 279, 4729-4736.	1.6	57
79	Identification of a Role for β^2 -Catenin in the Establishment of a Bipolar Mitotic Spindle. <i>Journal of Biological Chemistry</i> , 2004, 279, 10829-10832.	1.6	114
80	Reciprocal Signaling between the Transcriptional Co-Factor Eya2 and Specific Members of the $G_{i\pm}$ Family. <i>Molecular Pharmacology</i> , 2004, 66, 1325-1331.	1.0	31
81	Analysis of the kinetic mechanism of recombinant human isoprenylcysteine carboxymethyltransferase (Icmt). <i>BMC Biochemistry</i> , 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. <i>Biochemistry</i> , 2004, 43, 300-309.	1.2	8
83	Improved Loading and Cleavage Methods for Solid-Phase Synthesis Using Chlorotrityl Resins: β^2 Synthesis and Testing of a Library of 144 Discrete Chemicals as Potential Farnesyltransferase Inhibitors. <i>ACS Combinatorial Science</i> , 2004, 6, 407-413.	3.3	16
84	Crystallographic Analysis of CaaX Prenyltransferases Complexed with Substrates Defines Rules of Protein Substrate Selectivity. <i>Journal of Molecular Biology</i> , 2004, 343, 417-433.	2.0	244
85	Analysis of the Regulation of Microtubule Dynamics by Interaction of RGSZ1 (RGS20) with the Neuronal Stathmin, SCG10. <i>Methods in Enzymology</i> , 2004, 390, 53-64.	0.4	8
86	Inactivation of Icmt inhibits transformation by oncogenic K-Ras and B-Raf. <i>Journal of Clinical Investigation</i> , 2004, 113, 539-550.	3.9	95
87	Inactivation of Icmt inhibits transformation by oncogenic K-Ras and B-Raf. <i>Journal of Clinical Investigation</i> , 2004, 113, 539-550.	3.9	147
88	Structure of mammalian protein geranylgeranyltransferase type-I. <i>EMBO Journal</i> , 2003, 22, 5963-5974.	3.5	116
89	Kinetic Studies of Protein Farnesyltransferase Mutants Establish Active Substrate Conformation. <i>Biochemistry</i> , 2003, 42, 9741-9748.	1.2	55
90	Targeting Ras signaling through inhibition of carboxyl methylation: An unexpected property of methotrexate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 6529-6534.	3.3	140

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91	High Affinity for Farnesyltransferase and Alternative Prenylation Contribute Individually to K-Ras4B Resistance to Farnesyltransferase Inhibitors. <i>Journal of Biological Chemistry</i> , 2003, 278, 41718-41727.	1.6	80
92	Signaling through Gz. , 2003, , 601-604.		1
93	C12 and C13 Negatively Regulate the Adhesive Functions of Cadherin. <i>Journal of Biological Chemistry</i> , 2002, 277, 24594-24600.	1.6	104
94	Prenylcysteine Lyase Deficiency in Mice Results in the Accumulation of Farnesylcysteine and Geranylgeranyl cysteine in Brain and Liver. <i>Journal of Biological Chemistry</i> , 2002, 277, 38358-38363.	1.6	21
95	Stereospecificity and Kinetic Mechanism of Human Prenylcysteine Lyase, an Unusual Thioether Oxidase. <i>Journal of Biological Chemistry</i> , 2002, 277, 41086-41093.	1.6	18
96	Prenylation of CaaX-type proteins: Basic principles through clinical applications. <i>Current Topics in Membranes</i> , 2002, , 531-550.	0.5	7
97	Absence of the CAAX Endoprotease Rce1: Effects on Cell Growth and Transformation. <i>Molecular and Cellular Biology</i> , 2002, 22, 171-181.	1.1	144
98	Activation of Gz Attenuates Rap1-mediated Differentiation of PC12 Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 43417-43424.	1.6	64
99	The Interaction of RGSZ1 with SCG10 Attenuates the Ability of SCG10 to Promote Microtubule Disassembly. <i>Journal of Biological Chemistry</i> , 2002, 277, 18127-18133.	1.6	34
100	Reaction path of protein farnesyltransferase at atomic resolution. <i>Nature</i> , 2002, 419, 645-650.	13.7	183
101	Overview of the Alliance for Cellular Signaling. <i>Nature</i> , 2002, 420, 703-706.	13.7	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 Farnesyltransferase. <i>Biochemistry</i> , 2001, 40, 1002-1010.	1.2	19
104	Lysine164 of protein farnesyltransferase is important for both CaaX substrate binding and catalysis. <i>Biochemical Journal</i> , 2001, 360, 625-631.	1.7	11
105	1 Mechanism of catalysis by protein farnesyltransferase. <i>The Enzymes</i> , 2001, , 1-18.	0.7	4
106	Non-peptidic, non-prenylic inhibitors of the prenyl protein-specific protease Rce1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 425-427.	1.0	31
107	Lysosomal Prenylcysteine Lyase Is a FAD-dependent Thioether Oxidase. <i>Journal of Biological Chemistry</i> , 2001, 276, 2321-2324.	1.6	37
108	Distinct Regions of the Cadherin Cytoplasmic Domain Are Essential for Functional Interaction with C12 and Catenin. <i>Journal of Biological Chemistry</i> , 2001, 276, 44037-44043.	1.6	47

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109	Isoprenylcysteine Carboxyl Methyltransferase Deficiency in Mice. <i>Journal of Biological Chemistry</i> , 2001, 276, 5841-5845.	1.6	146
110	Phosphorylation and Nuclear Translocation of a Regulator of G Protein Signaling (RGS10). <i>Journal of Biological Chemistry</i> , 2001, 276, 32828-32834.	1.6	90
111	Lysine164 of protein farnesyltransferase is important for both CaaX substrate binding and catalysis. <i>Biochemical Journal</i> , 2001, 360, 625.	1.7	5
112	The basis for K-Ras4B binding specificity to protein farnesyl-transferase revealed by 2 Å... resolution ternary complex structures. <i>Structure</i> , 2000, 8, 209-222.	1.6	112
113	The C-terminal Polylysine Region and Methylation of K-Ras Are Critical for the Interaction between K-Ras and Microtubules. <i>Journal of Biological Chemistry</i> , 2000, 275, 41251-41257.	1.6	78
114	Targeted Inactivation of the Isoprenylcysteine Carboxyl Methyltransferase Gene Causes Mislocalization of K-Ras in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 17605-17610.	1.6	148
115	Conversion of Tyr361 to Leu in Mammalian Protein Farnesyltransferase Impairs Product Release but Not Substrate Recognition. <i>Biochemistry</i> , 2000, 39, 13651-13659.	1.2	11
116	Functional Interaction between G12 and Rap1GAP Suggests a Novel Form of Cellular Cross-talk. <i>Journal of Biological Chemistry</i> , 1999, 274, 36663-36669.	1.6	81
117	Disruption of the Mouse Rce1 Gene Results in Defective Ras Processing and Mislocalization of Ras within Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 8383-8390.	1.6	161
118	Cloning, Expression, and Cellular Localization of a Human Prenylcysteine Lyase. <i>Journal of Biological Chemistry</i> , 1999, 274, 35802-35808.	1.6	29
119	Cloning and Characterization of a Mammalian Prenyl Protein-specific Protease. <i>Journal of Biological Chemistry</i> , 1999, 274, 8379-8382.	1.6	140
120	H-Ras Peptide and Protein Substrates Bind Protein Farnesyltransferase as an Ionized Thiolate. <i>Biochemistry</i> , 1998, 37, 15555-15562.	1.2	99
121	Kinetic Analysis of Zinc Ligand Mutants of Mammalian Protein Farnesyltransferase. <i>Biochemistry</i> , 1998, 37, 4465-4472.	1.2	48
122	Cocrystal Structure of Protein Farnesyltransferase Complexed with a Farnesyl Diphosphate Substrate. <i>Biochemistry</i> , 1998, 37, 9612-9618.	1.2	164
123	RGSZ1, a Gz-selective Regulator of G Protein Signaling Whose Action Is Sensitive to the Phosphorylation State of G12. <i>Journal of Biological Chemistry</i> , 1998, 273, 26008-26013.	1.6	116
124	Prenylation-dependent Association of Ki-Ras with Microtubules. <i>Journal of Biological Chemistry</i> , 1997, 272, 30362-30370.	1.6	106
125	Evidence for a Catalytic Role of Zinc in Protein Farnesyltransferase. <i>Journal of Biological Chemistry</i> , 1997, 272, 20-23.	1.6	128
126	Farnesyltransferase Inhibitors Alter the Prenylation and Growth-stimulating Function of RhoB. <i>Journal of Biological Chemistry</i> , 1997, 272, 15591-15594.	1.6	179

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127	Substrate Binding Is Required for Release of Product from Mammalian Protein Farnesyltransferase. <i>Journal of Biological Chemistry</i> , 1997, 272, 9989-9993.	1.6	88
128	Isolation and Characterization of a Prenylcysteine Lyase from Bovine Brain. <i>Journal of Biological Chemistry</i> , 1997, 272, 23354-23359.	1.6	38
129	Signalling functions and biochemical properties of pertussis toxin-resistant G-proteins. <i>Biochemical Journal</i> , 1997, 321, 561-571.	1.7	257
130	Crystal Structure of Protein Farnesyltransferase at 2.25 Angstrom Resolution. <i>Science</i> , 1997, 275, 1800-1805.	6.0	366
131	Can prenylcysteines be exploited as ligands for mammalian multidrug-resistance transporters?. <i>Chemistry and Biology</i> , 1997, 4, 711-715.	6.2	1
132	Protein Prenylation: Molecular Mechanisms and Functional Consequences. <i>Annual Review of Biochemistry</i> , 1996, 65, 241-269.	5.0	1,900
133	Substitution of Cadmium for Zinc in Farnesyl:Protein Transferase Alters Its Substrate Specificity. <i>Biochemistry</i> , 1996, 35, 8166-8171.	1.2	39
134	[8] Assays for G protein $\beta\gamma$ subunit activity. <i>Methods in Neurosciences</i> , 1996, 29, 90-100.	0.5	0
135	Influence of metal ions on substrate binding and catalytic activity of mammalian protein geranylgeranyltransferase type-I. <i>Biochemical Journal</i> , 1996, 320, 925-932.	1.7	54
136	The role of prenylation in G-protein assembly and function. <i>Cellular Signalling</i> , 1996, 8, 433-437.	1.7	66
137	Kinetics of Protein Farnesyltransferase: Sigmoidal vs Hyperbolic Behavior as a Function of Assay Conditions. <i>Analytical Biochemistry</i> , 1996, 243, 80-85.	1.1	19
138	RGS10 is a selective activator of G α GTPase activity. <i>Nature</i> , 1996, 383, 175-177.	13.7	346
139	Protein Prenyltransferases. <i>Journal of Biological Chemistry</i> , 1996, 271, 5289-5292.	1.6	667
140	Arachidonate and Related Unsaturated Fatty Acids Selectively Inactivate the Guanine Nucleotide-binding Regulatory Protein, G $\beta\gamma$. <i>Journal of Biological Chemistry</i> , 1996, 271, 2949-2954.	1.6	49
141	The Hepatitis Delta Virus Large Antigen Is Farnesylated Both in Vitro and in Animal Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 4569-4572.	1.6	82
142	Identification of a Cysteine Residue Essential for Activity of Protein Farnesyltransferase. <i>Journal of Biological Chemistry</i> , 1996, 271, 28541-28548.	1.6	41
143	Mechanisms of protein prenylation and role in G protein function. <i>Biochemical Society Transactions</i> , 1995, 23, 161-166.	1.6	31
144	[14] Prenylated peptides in identification of specific binding proteins. <i>Methods in Enzymology</i> , 1995, 250, 158-168.	0.4	3

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145	[2] Isolation of protein prenyltransferases from bovine brain and baculovirus expression system. <i>Methods in Enzymology</i> , 1995, 250, 12-21.	0.4	25
146	Characterization of Prenylcysteines That Interact with P-glycoprotein and Inhibit Drug Transport in Tumor Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 22859-22865.	1.6	37
147	Phosphorylation of G α by Protein Kinase C Blocks Interaction with the $\beta\gamma$ Complex. <i>Journal of Biological Chemistry</i> , 1995, 270, 23119-23125.	1.6	93
148	Protein lipidation in cell signaling. <i>Science</i> , 1995, 268, 221-225.	6.0	770
149	Evidence that direct binding of G $\beta\gamma$ to the GIRK1 G protein-gated inwardly rectifying K ⁺ channel is important for channel activation. <i>Neuron</i> , 1995, 15, 1133-1143.	3.8	316
150	Protein farnesyltransferase: kinetics of farnesyl pyrophosphate binding and product release. <i>Biochemistry</i> , 1995, 34, 6857-6862.	1.2	173
151	Lipid modifications of G proteins. <i>Current Opinion in Cell Biology</i> , 1994, 6, 219-225.	2.6	191
152	Subtype-Specific Binding of Azidoanilido-GTP by Purified G Protein α Subunits. <i>Biochemistry</i> , 1994, 33, 6877-6883.	1.2	26
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