

Maurine E Linder

List of Publications by Year in descending order

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89
papers

8,407
citations

66343

42
h-index

91884

69
g-index

92
all docs

92
docs citations

92
times ranked

6238
citing authors

#	ARTICLE	IF	CITATIONS
1	Palmitoylation: policing protein stability and traffic. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 74-84.	37.0	919
2	RGS family members: GTPase-activating proteins for heterotrimeric G-protein $\hat{1}\pm$ -subunits. <i>Nature</i> , 1996, 383, 172-175.	27.8	543
3	Palmitoylation of Intracellular Signaling Proteins: Regulation and Function. <i>Annual Review of Biochemistry</i> , 2004, 73, 559-587.	11.1	534
4	Recombinant G-protein $\hat{2}\hat{3}$ -subunits activate the muscarinic-gated atrial potassium channel. <i>Nature</i> , 1994, 368, 255-257.	27.8	452
5	Identification of a Ras Palmitoyltransferase in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 41268-41273.	3.4	398
6	Thematic review series: Lipid Posttranslational Modifications. Protein palmitoylation by a family of DHHC protein S-acyltransferases. <i>Journal of Lipid Research</i> , 2006, 47, 1118-1127.	4.2	385
7	Lipid-dependent Targeting of G Proteins into Rafts. <i>Journal of Biological Chemistry</i> , 2000, 275, 2191-2198.	3.4	382
8	Signalling functions of protein palmitoylation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 1998, 1436, 245-261.	2.4	301
9	DHHC9 and GCP16 Constitute a Human Protein Fatty Acyltransferase with Specificity for H- and N-Ras. <i>Journal of Biological Chemistry</i> , 2005, 280, 31141-31148.	3.4	295
10	[12] Expression of G-protein α subunits in <i>Escherichia coli</i> . <i>Methods in Enzymology</i> , 1994, 237, 146-164.	1.0	230
11	Protein lipidation. <i>FEBS Journal</i> , 2007, 274, 5202-5210.	4.7	222
12	New Insights into the Mechanisms of Protein Palmitoylation. <i>Biochemistry</i> , 2003, 42, 4311-4320.	2.5	192
13	DHHC Protein S-Acyltransferases Use Similar Ping-Pong Kinetic Mechanisms but Display Different Acyl-CoA Specificities. <i>Journal of Biological Chemistry</i> , 2012, 287, 7236-7245.	3.4	177
14	SNAP-25 Palmitoylation and Plasma Membrane Targeting Require a Functional Secretory Pathway. <i>Molecular Biology of the Cell</i> , 1998, 9, 585-597.	2.1	174
15	G-protein Palmitoyltransferase Activity Is Enriched in Plasma Membranes. <i>Journal of Biological Chemistry</i> , 1996, 271, 7154-7159.	3.4	161
16	G Protein Selectivity Is a Determinant of RGS2 Function. <i>Journal of Biological Chemistry</i> , 1999, 274, 34253-34259.	3.4	157
17	2-Bromopalmitate and 2-(2-hydroxy-5-nitro-benzylidene)-benzo[b]thiophen-3-one inhibit DHHC-mediated palmitoylation in vitro. <i>Journal of Lipid Research</i> , 2009, 50, 233-242.	4.2	157
18	The Thrombospondin Receptor Integrin-associated Protein (CD47) Functionally Couples to Heterotrimeric G_i . <i>Journal of Biological Chemistry</i> , 1999, 274, 8554-8560.	3.4	150

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19	A STAT3 palmitoylation cycle promotes TH17 differentiation and colitis. <i>Nature</i> , 2020, 586, 434-439.	27.8	141
20	Palmitoylation regulates plasma membrane nuclear shuttling of R7BP, a novel membrane anchor for the RGS7 family. <i>Journal of Cell Biology</i> , 2005, 169, 623-633.	5.2	131
21	RGS4 Binds to Membranes through an Amphipathic α -Helix. <i>Journal of Biological Chemistry</i> , 2000, 275, 18520-18526.	3.4	112
22	[20] Myristoylation of G-protein β subunits. <i>Methods in Enzymology</i> , 1994, 237, 254-268.	1.0	109
23	FKBP12 Binds to Acylated H-Ras and Promotes Depalmitoylation. <i>Molecular Cell</i> , 2011, 41, 173-185.	9.7	109
24	Exploring Protein Lipidation with Chemical Biology. <i>Chemical Reviews</i> , 2011, 111, 6341-6358.	47.7	107
25	SNAP-25 Is Targeted to the Plasma Membrane through a Novel Membrane-binding Domain. <i>Journal of Biological Chemistry</i> , 1999, 274, 21313-21318.	3.4	102
26	Model organisms lead the way to protein palmitoyltransferases. <i>Journal of Cell Science</i> , 2004, 117, 521-526.	2.0	90
27	Identification of a Novel Prenyl and Palmitoyl Modification at the CaaX Motif of Cdc42 That Regulates RhoGDI Binding. <i>Molecular and Cellular Biology</i> , 2013, 33, 1417-1429.	2.3	90
28	SCH-202676: An Allosteric Modulator of Both Agonist and Antagonist Binding to G Protein-Coupled Receptors. <i>Molecular Pharmacology</i> , 2001, 59, 30-37.	2.3	84
29	The vacuolar DHHC-CRD protein Pfa3p is a protein acyltransferase for Vac8p. <i>Journal of Cell Biology</i> , 2005, 170, 1091-1099.	5.2	71
30	Selectivity of the β -adrenergic receptor among Gs, Gi's, and Go: assay using recombinant α subunits in reconstituted phospholipid vesicles. <i>Biochemistry</i> , 1991, 30, 10769-10777.	2.5	70
31	SIRT2 and lysine fatty acylation regulate the transforming activity of K-Ras4a. <i>ELife</i> , 2017, 6, .	6.0	70
32	R7BP Augments the Function of RGS7 β -G β 25 Complexes by a Plasma Membrane-targeting Mechanism. <i>Journal of Biological Chemistry</i> , 2006, 281, 28222-28231.	3.4	69
33	Protein S-palmitoylation and cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2015, 1856, 107-120.	7.4	69
34	Massive endocytosis triggered by surface membrane palmitoylation under mitochondrial control in BHK fibroblasts. <i>ELife</i> , 2013, 2, e01293.	6.0	65
35	Structure and function of DHHC protein <i>S</i> -acyltransferases. <i>Biochemical Society Transactions</i> , 2017, 45, 923-928.	3.4	62
36	The RGS14 GoLoco Domain Discriminates among G β 1 Isoforms. <i>Journal of Biological Chemistry</i> , 2004, 279, 46772-46778.	3.4	60

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37	Dual Lipid Modification Motifs in G α and G β Subunits Are Required for Full Activity of the Pheromone Response Pathway in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2000, 11, 957-968.	2.1	58
38	Inhibition of an Inward Rectifier Potassium Channel (Kir2.3) by G-protein $\beta\gamma$ Subunits. <i>Journal of Biological Chemistry</i> , 1996, 271, 32301-32305.	3.4	54
39	G α Activates GSK3 to Promote LRP6-Mediated β -Catenin Transcriptional Activity. <i>Science Signaling</i> , 2010, 3, ra37.	3.6	51
40	Mechanism and function of DHHC S-acyltransferases. <i>Biochemical Society Transactions</i> , 2013, 41, 29-34.	3.4	51
41	Crystallization and Preliminary Crystallographic Studies of G α 1 and Mutants of G α 1 in the GTP and GDP-bound States. <i>Journal of Molecular Biology</i> , 1994, 238, 630-634.	4.2	50
42	The Cysteine-rich Domain of the DHHC3 Palmitoyltransferase Is Palmitoylated and Contains Tightly Bound Zinc. <i>Journal of Biological Chemistry</i> , 2015, 290, 29259-29269.	3.4	46
43	Molecular Recognition of the Palmitoylation Substrate Vac8 by Its Palmitoyltransferase Pfa3. <i>Journal of Biological Chemistry</i> , 2009, 284, 17720-17730.	3.4	45
44	Distinct Sites on G Protein $\beta\gamma$ Subunits Regulate Different Effector Functions. <i>Journal of Biological Chemistry</i> , 2002, 277, 36345-36350.	3.4	43
45	Enrichment of G-protein Palmitoyltransferase Activity in Low Density Membranes. <i>Journal of Biological Chemistry</i> , 2001, 276, 43300-43304.	3.4	41
46	Differential effects of acyl-CoA binding protein on enzymatic and non-enzymatic thioacylation of protein and peptide substrates. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2000, 1485, 185-198.	2.4	40
47	Substrate recruitment by zDHHC protein acyltransferases. <i>Open Biology</i> , 2021, 11, 210026.	3.6	40
48	[25] Palmitoylation of G-protein $\beta\gamma$ subunits. <i>Methods in Enzymology</i> , 1995, 250, 314-330.	1.0	39
49	A G Protein β Subunit-specific Peptide Inhibits Muscarinic Receptor Signaling. <i>Journal of Biological Chemistry</i> , 1999, 274, 35305-35308.	3.4	36
50	Role of the β Subunit Prenyl Moiety in G Protein $\beta\gamma$ Complex Interaction with Phospholipase C β . <i>Journal of Biological Chemistry</i> , 2001, 276, 41797-41802.	3.4	36
51	SNAP-25 Traffics to the Plasma Membrane by a Syntaxin-independent Mechanism. <i>Journal of Biological Chemistry</i> , 2002, 277, 34303-34309.	3.4	36
52	Target deconvolution of HDAC pharmacopoeia reveals MBLAC2 as common off-target. <i>Nature Chemical Biology</i> , 2022, 18, 812-820.	8.0	36
53	Reciprocal Signaling between the Transcriptional Co-Factor Eya2 and Specific Members of the G α i Family. <i>Molecular Pharmacology</i> , 2004, 66, 1325-1331.	2.3	31
54	Oligomerization of DHHC Protein S-Acyltransferases. <i>Journal of Biological Chemistry</i> , 2013, 288, 22862-22870.	3.4	31

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55	Differential palmitoylation of the endosomal SNAREs syntaxin 7 and syntaxin 8. <i>Journal of Lipid Research</i> , 2009, 50, 398-404.	4.2	30
56	Gi/o Signaling and the Palmitoyltransferase DHHC2 Regulate Palmitate Cycling and Shuttling of RGS7 Family-binding Protein. <i>Journal of Biological Chemistry</i> , 2011, 286, 13695-13703.	3.4	28
57	Subtype-Specific Binding of Azidoanilido-GTP by Purified G Protein .alpha. Subunits. <i>Biochemistry</i> , 1994, 33, 6877-6883.	2.5	26
58	Plasma Membrane Association of p63 Rho Guanine Nucleotide Exchange Factor (p63RhoGEF) Is Mediated by Palmitoylation and Is Required for Basal Activity in Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 34448-34456.	3.4	21
59	[18] Purification of recombinant G1 $\hat{\pm}$ and Go $\hat{\pm}$ proteins from <i>Escherichia coli</i> . <i>Methods in Enzymology</i> , 1991, 195, 202-215.	1.0	20
60	Biochemical characterization of RGS14: RGS14 activity towards G-protein $\hat{\pm}$ subunits is independent of its binding to Rap2A. <i>Biochemical Journal</i> , 2006, 394, 309-315.	3.7	18
61	A similar ribosomal protein S6 kinase activity is found in insulin-treated 3T3-L1 cells and chick embryo fibroblasts transformed by Rous sarcoma virus. <i>Biochemical and Biophysical Research Communications</i> , 1986, 137, 702-708.	2.1	13
62	Purification and characterization of recombinant protein acyltransferases. <i>Methods</i> , 2006, 40, 143-150.	3.8	13
63	Protein palmitoylation. <i>Methods</i> , 2006, 40, 125-126.	3.8	7
64	High-Throughput Enzyme Assay for Screening Inhibitors of the ZDHHC3/7/20 Acyltransferases. <i>ACS Chemical Biology</i> , 2021, 16, 1318-1324.	3.4	6
65	8 Reversible modification of proteins with thioester-linked fatty acids. <i>The Enzymes</i> , 2001, , 215-240.	1.7	5
66	Analysis of Protein Palmitoylation by Metabolic Radiolabeling Methods. <i>Springer Protocols</i> , 2009, , 1623-1636.	0.3	3
67	Monitoring RhoGDI Extraction of Lipid-Modified Rho GTPases from Membranes Using Click Chemistry. <i>Methods in Molecular Biology</i> , 2019, 2009, 297-306.	0.9	3
68	Metallo- $\hat{\pm}$ -lactamase domain-containing protein 2 is S-palmitoylated and exhibits acyl-CoA hydrolase activity. <i>Journal of Biological Chemistry</i> , 2021, 296, 100106.	3.4	3
69	Regulation of G Proteins by Covalent Modification. , 2010, , 1629-1633.		2
70	Purification of Recombinant DHHC Proteins Using an Insect Cell Expression System. <i>Methods in Molecular Biology</i> , 2019, 2009, 179-189.	0.9	1
71	Greasy proteins of the neuron. <i>Nature</i> , 2008, 456, 887-888.	27.8	0
72	Lipid-Mediated Localization of Signaling Proteins. , 2010, , 365-371.		0

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73	Single Particle Tracking in Double Cushioned, Blebbed Supported Lipid Bilayers Enables Studies of Transmembrane Protein Diffusion. <i>Biophysical Journal</i> , 2016, 110, 568a.	0.5	0
74	Lipid-Mediated Localization of Signaling Proteins. , 2003, , 331-334.		0
75	Regulation of G Proteins by Covalent Modification. , 2003, , 585-588.		0
76	Searching for the Protein Acyltransferase of Gpa1. <i>FASEB Journal</i> , 2006, 20, A948.	0.5	0
77	DHHC4. The AFCS-nature Molecule Pages, 0, , .	0.2	0
78	DHHC15. The AFCS-nature Molecule Pages, 0, , .	0.2	0
79	DHHC1. The AFCS-nature Molecule Pages, 0, , .	0.2	0
80	DHHC9. The AFCS-nature Molecule Pages, 0, , .	0.2	0
81	DHHC7. The AFCS-nature Molecule Pages, 0, , .	0.2	0
82	DHHC3. The AFCS-nature Molecule Pages, 0, , .	0.2	0
83	DHHC2. The AFCS-nature Molecule Pages, 0, , .	0.2	0
84	DHHC21. The AFCS-nature Molecule Pages, 0, , .	0.2	0
85	DHHC8. The AFCS-nature Molecule Pages, 0, , .	0.2	0
86	Enzymology of DHHC-mediated protein palmitoylation. <i>FASEB Journal</i> , 2010, 24, 859.3.	0.5	0
87	Mechanism and function of DHHC Acyltransferases. <i>FASEB Journal</i> , 2013, 27, 458.1.	0.5	0
88	Abstract B49: Role of RAS palmitoyl-acyltransferase DHHC9 in hematopoiesis and NRAS leukemogenesis. , 2014, , .		0
89	Mechanism and Function of DHHC Palmitoyltransferases. <i>FASEB Journal</i> , 2015, 29, 370.3.	0.5	0