Stephen G Young

List of Publications by Year
in descending order

184 papers	12,365 citations	19636 61 h-index	30058 103 g-index
188 all docs	188 docs citations	188 times ranked	9723 citing authors

#	Article	IF	Citations
1	Lamins A and C but Not Lamin B1 Regulate Nuclear Mechanics. Journal of Biological Chemistry, 2006, 281, 25768-25780.	1.6	579
2	Glycosylphosphatidylinositol-Anchored High-Density Lipoprotein-Binding Protein 1 Plays a Critical Role in the Lipolytic Processing of Chylomicrons. Cell Metabolism, 2007, 5, 279-291.	7.2	420
3	Zmpste24 deficiency in mice causes spontaneous bone fractures, muscle weakness, and a prelamin A processing defect. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13049-13054.	3.3	410
4	Lamin B1 is required for mouse development and nuclear integrity. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10428-10433.	3.3	360
5	GPIHBP1 Is Responsible for the Entry of Lipoprotein Lipase into Capillaries. Cell Metabolism, 2010, 12, 42-52.	7.2	298
6	A Protein Farnesyltransferase Inhibitor Ameliorates Disease in a Mouse Model of Progeria. Science, 2006, 311, 1621-1623.	6.0	295
7	Biochemistry and pathophysiology of intravascular and intracellular lipolysis. Genes and Development, 2013, 27, 459-484.	2.7	277
8	Blocking protein farnesyltransferase improves nuclear blebbing in mouse fibroblasts with a targeted Hutchinson-Gilford progeria syndrome mutation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10291-10296.	3.3	274
9	Blocking protein farnesyltransferase improves nuclear shape in fibroblasts from humans with progeroid syndromes. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12873-12878.	3.3	254
10	A farnesyltransferase inhibitor improves disease phenotypes in mice with a Hutchinson-Gilford progeria syndrome mutation. Journal of Clinical Investigation, 2006, 116, 2115-2121.	3.9	248
11	Laminopathies and the long strange trip from basic cell biology to therapy. Journal of Clinical Investigation, 2009, 119, 1825-1836.	3.9	223
12	A mouse model of human familial hypercholesterolemia: Markedly elevated low density lipoprotein cholesterol levels and severe atherosclerosis on a low-fat chow diet. Nature Medicine, 1998, 4, 934-938.	15.2	209
13	Prelamin A and lamin A appear to be dispensable in the nuclear lamina. Journal of Clinical Investigation, 2006, 116, 743-752.	3.9	209
14	Deficiencies in lamin B1 and lamin B2 cause neurodevelopmental defects and distinct nuclear shape abnormalities in neurons. Molecular Biology of the Cell, 2011, 22, 4683-4693.	0.9	195
15	Thematic Review Series: Lipid Posttranslational Modifications. Prelamin A, Zmpste24, misshapen cell nuclei, and progeriaâ€"new evidence suggesting that protein farnesylation could be important for disease pathogenesis. Journal of Lipid Research, 2005, 46, 2531-2558.	2.0	193
16	Heterozygosity for Lmna deficiency eliminates the progeria-like phenotypes in Zmpste24-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 18111-18116.	3.3	191
17	Regulation of prelamin A but not lamin C by miR-9, a brain-specific microRNA. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E423-31.	3.3	185
18	Aster Proteins Facilitate Nonvesicular Plasma Membrane to ER Cholesterol Transport in Mammalian Cells. Cell, 2018, 175, 514-529.e20.	13.5	177

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19	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.	1.6	161
20	Chylomicronemia With a Mutant GPIHBP1 (Q115P) That Cannot Bind Lipoprotein Lipase. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 956-962.	1.1	151
21	Abnormal development of the cerebral cortex and cerebellum in the setting of lamin B2 deficiency. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5076-5081.	3.3	149
22	IL-10 Signaling Remodels Adipose Chromatin Architecture to Limit Thermogenesis and Energy Expenditure. Cell, 2018, 172, 218-233.e17.	13.5	142
23	Lpcat3-dependent production of arachidonoyl phospholipids is a key determinant of triglyceride secretion. ELife, 2015, 4, .	2.8	142
24	Progerin elicits disease phenotypes of progeria in mice whether or not it is farnesylated. Journal of Clinical Investigation, 2008, 118, 3291-3300.	3.9	139
25	Genes for Apolipoprotein B and Microsomal Triglyceride Transfer Protein Are Expressed in the Heart. Circulation, 1998, 98, 13-16.	1.6	129
26	The GPIHBP1â€“LPL Complex Is Responsible for the Margination of Triglyceride-Rich Lipoproteins in Capillaries. Cell Metabolism, 2014, 19, 849-860.	7.2	124
27	Lipoprotein Size and Atherosclerosis Susceptibility in Apoe â^'/â^' and Ldlr â^'/â^' Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 1567-1570.	1.1	123
28	The Posttranslational Processing of Prelamin A and Disease. Annual Review of Genomics and Human Genetics, 2009, 10, 153-174.	2.5	121
29	Prelamin A Farnesylation and Progeroid Syndromes. Journal of Biological Chemistry, 2006, 281, 39741-39745.	1.6	120
30	Autoantibodies against GPIHBP1 as a Cause of Hypertriglyceridemia. New England Journal of Medicine, 2017, 376, 1647-1658.	13.9	112
31	Mouse models of the laminopathies. Experimental Cell Research, 2007, 313, 2144-2156.	1.2	105
32	Increased progerin expression associated with unusualLMNAmutations causes severe progeroid syndromes. Human Mutation, 2007, 28, 882-889.	1.1	103
33	Mutation of conserved cysteines in the Ly6 domain of GPIHBP1 in familial chylomicronemia. Journal of Lipid Research, 2010, 51, 1535-1545.	2.0	103
34	Targeting Isoprenylcysteine Methylation Ameliorates Disease in a Mouse Model of Progeria. Science, 2013, 340, 1330-1333.	6.0	103
35	Chylomicronemia With Low Postheparin Lipoprotein Lipase Levels in the Setting of GPIHBP1 Defects. Circulation: Cardiovascular Genetics, 2010, 3, 169-178.	5.1	100
36	Concentric organization of A- and B-type lamins predicts their distinct roles in the spatial organization and stability of the nuclear lamina. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4307-4315.	3.3	98

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37	GPIHBP1, an endothelial cell transporter for lipoprotein lipase. Journal of Lipid Research, 2011, 52, 1869-1884.	2.0	94
38	An accumulation of non-farnesylated prelamin A causes cardiomyopathy but not progeria. Human Molecular Genetics, 2010, 19, 2682-2694.	1.4	91
39	An absence of both lamin B1 and lamin B2 in keratinocytes has no effect on cell proliferation or the development of skin and hair. Human Molecular Genetics, 2011, 20, 3537-3544.	1.4	86
40	Angiopoietin-like 4 promotes intracellular degradation of lipoprotein lipase in adipocytes. Journal of Lipid Research, 2016, 57, 1670-1683.	2.0	86
41	GPIHBP1 and Lipoprotein Lipase, Partners in Plasma Triglyceride Metabolism. Cell Metabolism, 2019, 30, 51-65.	7.2	86
42	Cell Nuclei Spin in the Absence of Lamin B1. Journal of Biological Chemistry, 2007, 282, 20015-20026.	1.6	83
43	Biochemical Studies of Zmpste24-deficient Mice. Journal of Biological Chemistry, 2001, 276, 29051-29058.	1.6	82
44	Early Embryonic Lethality Caused by Disruption of the Gene for Choline Kinase Î±, the First Enzyme in Phosphatidylcholine Biosynthesis. Journal of Biological Chemistry, 2008, 283, 1456-1462.	1.6	82
45	The angiopoietin-like protein ANGPTL4 catalyzes unfolding of the hydrolase domain in lipoprotein lipase and the endothelial membrane protein GPIHBP1 counteracts this unfolding. ELife, 2016, 5, .	2.8	78
46	Heart-type Fatty Acid-binding Protein Is Essential for Efficient Brown Adipose Tissue Fatty Acid Oxidation and Cold Tolerance. Journal of Biological Chemistry, 2011, 286, 380-390.	1.6	76
47	The Acidic Domain of GPIHBP1 Is Important for the Binding of Lipoprotein Lipase and Chylomicrons. Journal of Biological Chemistry, 2008, 283, 29554-29562.	1.6	75
48	GPIHBP1: an endothelial cell molecule important for the lipolytic processing of chylomicrons. Current Opinion in Lipidology, 2007, 18, 389-396.	1.2	74
49	Modulation of LMNA splicing as a strategy to treat prelamin A diseases. Journal of Clinical Investigation, 2016, 126, 1592-1602.	3.9	74
50	The acidic domain of the endothelial membrane protein GPIHBP1 stabilizes lipoprotein lipase activity by preventing unfolding of its catalytic domain. ELife, 2016, 5, e12095.	2.8	74
51	The LXRâ€“Idol Axis Differentially Regulates Plasma LDL Levels in Primates and Mice. Cell Metabolism, 2014, 20, 910-918.	7.2	72
52	Acoustofluidic sonoporation for gene delivery to human hematopoietic stem and progenitor cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10976-10982.	3.3	72
53	Treatment with a farnesyltransferase inhibitor improves survival in mice with a Hutchinsonâ€“Gilford progeria syndrome mutation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2008, 1781, 36-39.	1.2	71
54	Protein farnesylation inhibitors cause donut-shaped cell nuclei attributable to a centrosome separation defect. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4997-5002.	3.3	71

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55	Farnesylation of lamin B1 is important for retention of nuclear chromatin during neuronal migration. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1923-32.	3.3	71
56	High-resolution imaging and quantification of plasma membrane cholesterol by NanoSIMS. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2000-2005.	3.3	71
57	Highly Conserved Cysteines within the Ly6 Domain of GPIHBP1 Are Crucial for the Binding of Lipoprotein Lipase. Journal of Biological Chemistry, 2009, 284, 30240-30247.	1.6	69
58	GPIHBP1 and Plasma Triglyceride Metabolism. Trends in Endocrinology and Metabolism, 2016, 27, 455-469.	3.1	67
59	Structure of the lipoprotein lipaseâ€"GPIHBP1 complex that mediates plasma triglyceride hydrolysis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1723-1732.	3.3	67
60	Direct Synthesis of Lamin A, Bypassing Prelamin A Processing, Causes Misshapen Nuclei in Fibroblasts but No Detectable Pathology in Mice. Journal of Biological Chemistry, 2010, 285, 20818-20826.	1.6	66
61	Fibroblasts lacking nuclear lamins do not have nuclear blebs or protrusions but nevertheless have frequent nuclear membrane ruptures. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10100-10105.	3.3	66
62	Abnormal Patterns of Lipoprotein Lipase Release into the Plasma in GPIHBP1-deficient Mice. Journal of Biological Chemistry, 2008, 283, 34511-34518.	1.6	64
63	An absence of lamin B1 in migrating neurons causes nuclear membrane ruptures and cell death. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25870-25879.	3.3	64
64	Chylomicronemia Elicits Atherosclerosis in Miceâ€"Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 20-23.	1.1	63
65	Absence of progeria-like disease phenotypes in knock-in mice expressing a non-farnesylated version of progerin. Human Molecular Genetics, 2011, 20, 436-444.	1.4	63
66	Disrupting the LINC complex in smooth muscle cells reduces aortic disease in a mouse model of Hutchinson-Gilford progeria syndrome. Science Translational Medicine, 2018, 10, .	5.8	63
67	Assessing mechanisms of GPIHBP1 and lipoprotein lipase movement across endothelial cells. Journal of Lipid Research, 2012, 53, 2690-2697.	2.0	62
68	Mass spectrometry captures off-target drug binding and provides mechanistic insights into the human metalloprotease ZMPSTE24. Nature Chemistry, 2016, 8, 1152-1158.	6.6	61
69	Lipoprotein lipase is active as a monomer. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6319-6328.	3.3	60
70	A Potent HIV Protease Inhibitor, Darunavir, Does Not Inhibit ZMPSTE24 or Lead to an Accumulation of Farnesyl-prelamin A in Cells. Journal of Biological Chemistry, 2008, 283, 9797-9804.	1.6	57
71	Unfolding of monomeric lipoprotein lipase by ANGPTL4: Insight into the regulation of plasma triglyceride metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4337-4346.	3.3	56
72	NanoSIMS Analysis of Intravascular Lipolysis and Lipid Movement across Capillaries and into Cardiomyocytes. Cell Metabolism, 2018, 27, 1055-1066.e3.	7.2	54

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73	Mutations in lipoprotein lipase that block binding to the endothelial cell transporter GPIHBP1. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7980-7984.	3.3	53
74	Targeting Protein Prenylation in Progeria. Science Translational Medicine, 2013, 5, 171ps3.	5.8	53
75	The Expression of GPIHBP1, an Endothelial Cell Binding Site for Lipoprotein Lipase and Chylomicrons, Is Induced by Peroxisome Proliferator-Activated Receptor-Î³. Molecular Endocrinology, 2008, 22, 2496-2504.	3.7	51
76	GPIHBP1, a GPI-anchored protein required for the lipolytic processing of triglyceride-rich lipoproteins. Journal of Lipid Research, 2009, 50, S57-S62.	2.0	51
77	SREBP-2-deficient and hypomorphic mice reveal roles for SREBP-2 in embryonic development and SREBP-1c expression. Journal of Lipid Research, 2016, 57, 410-421.	2.0	51
78	A disordered acidic domain in GPIHBP1 harboring a sulfated tyrosine regulates lipoprotein lipase. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6020-E6029.	3.3	51
79	High-resolution visualization and quantification of nucleic acidâ€“based therapeutics in cells and tissues using Nanoscale secondary ion mass spectrometry (NanoSIMS). Nucleic Acids Research, 2021, 49, 1-14.	6.5	51
80	GPIHBP1 Missense Mutations Often Cause Multimerization of GPIHBP1 and Thereby Prevent Lipoprotein Lipase Binding. Circulation Research, 2015, 116, 624-632.	2.0	50
81	Assessing the Role of the Glycosylphosphatidylinositol-anchored High Density Lipoprotein-binding Protein 1 (GPIHBP1) Three-finger Domain in Binding Lipoprotein Lipase. Journal of Biological Chemistry, 2011, 286, 19735-19743.	1.6	48
82	Understanding the Roles of Nuclear A- and B-type Lamins in Brain Development. Journal of Biological Chemistry, 2012, 287, 16103-16110.	1.6	48
83	Lipin-1 and lipin-3 together determine adiposity in vivo. Molecular Metabolism, 2014, 3, 145-154.	3.0	48
84	Deletion of the Basement Membrane Heparan Sulfate Proteoglycan Type XVIII Collagen Causes Hypertriglyceridemia in Mice and Humans. PLoS ONE, 2010, 5, e13919.	1.1	46
85	Multimerization of Glycosylphosphatidylinositol-anchored High Density Lipoprotein-binding Protein 1 (GPIHBP1) and Familial Chylomicronemia from a Serine-to-Cysteine Substitution in GPIHBP1 Ly6 Domain. Journal of Biological Chemistry, 2014, 289, 19491-19499.	1.6	45
86	High-resolution imaging of dietary lipids in cells and tissues by NanoSIMS analysis. Journal of Lipid Research, 2014, 55, 2156-2166.	2.0	44
87	Multiparameter mechanical and morphometric screening of cells. Scientific Reports, 2016, 6, 37863.	1.6	44
88	Activating the synthesis of progerin, the mutant prelamin A in Hutchinsonâ€“Gilford progeria syndrome, with antisense oligonucleotides. Human Molecular Genetics, 2009, 18, 2462-2471.	1.4	43
89	Nuclear Lamins and Neurobiology. Molecular and Cellular Biology, 2014, 34, 2776-2785.	1.1	43
90	Binding Preferences for GPIHBP1, a Glycosylphosphatidylinositol-Anchored Protein of Capillary Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 176-182.	1.1	41

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91	Macrophages release plasma membrane-derived particles rich in accessible cholesterol. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8499-E8508.	3.3	41
92	Normal binding of lipoprotein lipase, chylomicrons, and apo-AV to GPIHBP1 containing a G56R amino acid substitution. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2007, 1771, 1464-1468.	1.2	40
93	Investigating the purpose of prelamin A processing. Nucleus, 2011, 2, 4-9.	0.6	39
94	Apolipoprotein C-III inhibits triglyceride hydrolysis by GPIHBP1-bound LPL. Journal of Lipid Research, 2017, 58, 1893-1902.	2.0	39
95	Aster Proteins Regulate the Accessible Cholesterol Pool in the Plasma Membrane. Molecular and Cellular Biology, 2020, 40, .	1.1	39
96	Are B-type lamins essential in all mammalian cells?. Nucleus, 2011, 2, 562-569.	0.6	38
97	Protein farnesyltransferase inhibitors and progeria. Trends in Molecular Medicine, 2006, 12, 480-487.	3.5	37
98	Assessing the efficacy of protein farnesyltransferase inhibitors in mouse models of progeria. Journal of Lipid Research, 2010, 51, 400-405.	2.0	37
99	Unexpected Expression Pattern for Glycosylphosphatidylinositol-anchored HDL-binding Protein 1 (GPIHBP1) in Mouse Tissues Revealed by Positron Emission Tomography Scanning. Journal of Biological Chemistry, 2010, 285, 39239-39248.	1.6	36
100	LINCing lamin B2 to neuronal migration. Nucleus, 2010, 1, 407-411.	0.6	36
101	GPIHBP1 and lipolysis: an update. Current Opinion in Lipidology, 2009, 20, 211-216.	1.2	35
102	Palmoplantar Keratoderma along with Neuromuscular and Metabolic Phenotypes in Slurp1 -Deficient Mice. Journal of Investigative Dermatology, 2014, 134, 1589-1598.	0.3	35
103	Nuclear Envelope Protein Lem2 is Required for Mouse Development and Regulates MAP and AKT Kinases. PLoS ONE, 2015, 10, e0116196.	1.1	34
104	Monoclonal antibody detects Ag polymorphism of apolipoprotein B. FEBS Letters, 1986, 202, 54-58.	1.3	33
105	Eliminating the Synthesis of Mature Lamin A Reduces Disease Phenotypes in Mice Carrying a Hutchinson-Gilford Progeria Syndrome Allele. Journal of Biological Chemistry, 2008, 283, 7094-7099.	1.6	33
106	Increasing the length of progerin's isoprenyl anchor does not worsen bone disease or survival in mice with Hutchinson-Gilford progeria syndrome. Journal of Lipid Research, 2009, 50, 126-134.	2.0	33
107	Genetic studies on the functional relevance of the protein prenyltransferases in skin keratinocytes. Human Molecular Genetics, 2010, 19, 1603-1617.	1.4	33
108	Lamin B1 and lamin B2 are long-lived proteins with distinct functions in retinal development. Molecular Biology of the Cell, 2016, 27, 1928-1937.	0.9	33

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109	Mobility of â€œHSPG-boundâ€•LPL explains how LPL is able to reach GPIHBP1 on capillaries. Journal of Lipid Research, 2017, 58, 216-225.	2.0	33
110	Investigating the purpose of prelamin A processing. Nucleus, 2011, 2, 4-9.	0.6	32
111	Nuclear Lamins in the Brain â€" New Insights into Function and Regulation. Molecular Neurobiology, 2013, 47, 290-301.	1.9	31
112	Caution! Analyze transcripts from conditional knockout alleles. Transgenic Research, 2009, 18, 483-489.	1.3	30
113	Reciprocal Metabolic Perturbations in the Adipose Tissue and Liver of GPIHBP1-Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 230-235.	1.1	29
114	Evolution and Medical Significance of LU Domainâ˜Containing Proteins. International Journal of Molecular Sciences, 2019, 20, 2760.	1.8	29
115	The intrinsic instability of the hydrolase domain of lipoprotein lipase facilitates its inactivation by ANGPTL4-catalyzed unfolding. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	29
116	Glycosylation of Asn-76 in mouse GPIHBP1 is critical for its appearance on the cell surface and the binding of chylomicrons and lipoprotein lipase. Journal of Lipid Research, 2008, 49, 1312-1321.	2.0	28
117	An Absence of Nuclear Lamins in Keratinocytes Leads to Ichthyosis, Defective Epidermal Barrier Function, and Intrusion of Nuclear Membranes and Endoplasmic Reticulum into the Nuclear Chromatin. Molecular and Cellular Biology, 2014, 34, 4534-4544.	1.1	28
118	Nanosims Imaging: An Approach for Visualizing and Quantifying Lipids in Cells and Tissues. Journal of Investigative Medicine, 2017, 65, 669-672.	0.7	28
119	Carboxylâ€terminal truncation of apolipoproteinBâ€100 inhibits lipoprotein(a) particle formation. FEBS Letters, 1994, 350, 77-81.	1.3	27
120	Release of cholesterol-rich particles from the macrophage plasma membrane during movement of filopodia and lamellipodia. ELife, 2019, 8, .	2.8	27
121	Insights into Apolipoprotein B Biology from Transgenic and Gene-Targeted Mice. Journal of Nutrition, 1999, 129, 451S-455S.	1.3	25
122	GPIHBP1 autoantibodies in a patient with unexplained chylomicronemia. Journal of Clinical Lipidology, 2017, 11, 964-971.	0.6	25
123	Chylomicronemia mutations yield new insights into interactions between lipoprotein lipase and GPIHBP1. Human Molecular Genetics, 2012, 21, 2961-2972.	1.4	23
124	Lamin B1 is required for mature neuron-specific gene expression during olfactory sensory neuron differentiation. Nature Communications, 2017, 8, 15098.	5.8	23
125	Reciprocal knock-in mice to investigate the functional redundancy of lamin B1 and lamin B2. Molecular Biology of the Cell, 2014, 25, 1666-1675.	0.9	22
126	GPIHBP1 and ANGPTL4 Utilize Protein Disorder to Orchestrate Order in Plasma Triglyceride Metabolism and Regulate Compartmentalization of LPL Activity. Frontiers in Cell and Developmental Biology, 2021, 9, 702508.	1.8	22

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127	Chylomicronemia from GPIHBP1 autoantibodies. Journal of Lipid Research, 2020, 61, 1365-1376.	2.0	21
128	Peroxidasin-mediated bromine enrichment of basement membranes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15827-15836.	3.3	21
129	Cultured macrophages transfer surplus cholesterol into adjacent cells in the absence of serum or high-density lipoproteins. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10476-10483.	3.3	21
130	Nuclear membrane ruptures underlie the vascular pathology in a mouse model of Hutchinson-Gilford progeria syndrome. JCI Insight, 2021, 6, .	2.3	21
131	Prelamin A causes aberrant myonuclear arrangement and results in muscle fiber weakness. JCI Insight, 2018, 3, .	2.3	19
132	New Lmna knock-in mice provide a molecular mechanism for the â€˜segmental agingâ€™ in Hutchinsonâ€“Gilford progeria syndromeâ€. Human Molecular Genetics, 2014, 23, 1506-1515.	1.4	17
133	Slc25a17 Gene Trapped Mice: PMP34 Plays a Role in the Peroxisomal Degradation of Phytanic and Pristanic Acid. Frontiers in Cell and Developmental Biology, 2020, 8, 144.	1.8	17
134	Cholesterol Intake Modulates Plasma Triglyceride Levels in Glycosylphosphatidylinositol HDL-Binding Protein 1-Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 2106-2113.	1.1	16
135	JCL Roundtable: Hypertriglyceridemia due to defects in lipoprotein lipase function. Journal of Clinical Lipidology, 2015, 9, 274-280.	0.6	16
136	Mutating a conserved cysteine in GPIHBP1 reduces amounts of GPIHBP1 in capillaries and abolishes LPL binding. Journal of Lipid Research, 2017, 58, 1453-1461.	2.0	16
137	ANGPTL4 inactivates lipoprotein lipase by catalyzing the irreversible unfolding of LPL's hydrolase domain. Journal of Lipid Research, 2020, 61, 1253.	2.0	16
138	Inhibitors of protein geranylgeranyltransferase-I lead to prelamin A accumulation in cells by inhibiting ZMPSTE24. Journal of Lipid Research, 2012, 53, 1176-1182.	2.0	15
139	Palmoplantar Keratoderma in Slurp2-Deficient Mice. Journal of Investigative Dermatology, 2016, 136, 436-443.	0.3	15
140	Monoclonal antibodies that bind to the Ly6 domain of GPIHBP1 abolish the binding of LPL. Journal of Lipid Research, 2017, 58, 208-215.	2.0	15
141	An enzyme-linked immunosorbent assay for measuring GPIHBP1 levels in human plasma orÂserum. Journal of Clinical Lipidology, 2018, 12, 203-210.e1.	0.6	15
142	GPIHBP1 autoantibody syndrome during interferon Î²1a treatment. Journal of Clinical Lipidology, 2019, 13, 62-69.	0.6	15
143	DYT1 Dystonia Patient-Derived Fibroblasts Have Increased Deformability and Susceptibility to Damage by Mechanical Forces. Frontiers in Cell and Developmental Biology, 2019, 7, 103.	1.8	14
144	A mouse monoclonal antibody specific for mouse apoB48 and apoB100 produced by immunizing â€œapoB39-onlyâ€•mice with mouse apoB48. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 182-185.	1.2	13

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145	Severe hepatocellular disease in mice lacking one or both CaaX prenyltransferases. Journal of Lipid Research, 2012, 53, 77-86.	2.0	13
146	Intermittent chylomicronemia caused by intermittent GPIHBP1 autoantibodies. Journal of Clinical Lipidology, 2020, 14, 197-200.	0.6	13
147	Electrostatic sheathing of lipoprotein lipase is essential for its movement across capillary endothelial cells. Journal of Clinical Investigation, 2022, 132, .	3.9	13
148	Long runs of adenines and human mutations. , 1998, 76, 101-102.		12
149	Do lamin B1 and lamin B2 have redundant functions?. Nucleus, 2014, 5, 287-292.	0.6	12
150	Deficiency of Isoprenylcysteine Carboxyl Methyltransferase (ICMT) Leads to Progressive Loss of Photoreceptor Function. Journal of Neuroscience, 2016, 36, 5107-5114.	1.7	11
151	LMNA missense mutations causing familial partial lipodystrophy do not lead to an accumulation of prelamin A. Nucleus, 2016, 7, 512-521.	0.6	11
152	Chylomicronemia From GPIHBP1 Autoantibodies Successfully Treated With Rituximab: A Case Report. Annals of Internal Medicine, 2020, 173, 764-765.	2.0	11
153	The structural basis for monoclonal antibody 5D2 binding to the tryptophan-rich loop of lipoprotein lipase. Journal of Lipid Research, 2020, 61, 1347-1359.	2.0	11
154	10 Genetic approaches to understanding the physiologic importance of the carboxyl methylation of isoprenylated proteins. The Enzymes, 2006, 24, 273-301.	0.7	10
155	Equivalent binding of wild-type lipoprotein lipase (LPL) and S447X-LPL to GPIHBP1, the endothelial cell LPL transporter. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 963-969.	1.2	10
156	Mice that express farnesylated versions of prelamin A in neurons develop achalasia. Human Molecular Genetics, 2015, 24, 2826-2840.	1.4	10
157	An LPLâ€“specific monoclonal antibody, 88B8, that abolishes the binding of LPL to GPIHBP1. Journal of Lipid Research, 2016, 57, 1889-1898.	2.0	10
158	An ELISA for quantifying GPIHBP1 autoantibodies and making a diagnosis of the GPIHBP1 autoantibody syndrome. Clinica Chimica Acta, 2018, 487, 174-178.	0.5	10
159	Nuclear membrane ruptures, cell death, and tissue damage in the setting of nuclear lamin deficiencies. Nucleus, 2020, 11, 237-249.	0.6	10
160	GPIHBP1 expression in gliomas promotes utilization of lipoprotein-derived nutrients. ELife, 2019, 8, .	2.8	10
161	Deficiency in ZMPSTE24 and resulting farnesylâ€“prelamin A accumulation only modestly affect mouse adipose tissue stores. Journal of Lipid Research, 2020, 61, 413-421.	2.0	9
162	GPIHBP1, a partner protein for lipoprotein lipase, is expressed only in capillary endothelial cells. Journal of Lipid Research, 2020, 61, 591.	2.0	9

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