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	The zinc finger and BTB domain containing protein ZBTB20 regulates plasma triglyceride metabolism by repressing lipoprotein lipase gene transcription in hepatocytes. Hepatology, 2022, 75, 1169-1180.	3.6	5
2	Electrostatic sheathing of lipoprotein lipase is essential for its movement across capillary endothelial cells. Journal of Clinical Investigation, 2022, 132, .	3.9	13
3	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
4	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
5	Increased expression of LAP2Î² eliminates nuclear membrane ruptures in nuclear laminâ€“deficient neurons and fibroblasts. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2107770118.	3.3	3
6	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
7	Nuclear membrane ruptures underlie the vascular pathology in a mouse model of Hutchinson-Gilford progeria syndrome. JCI Insight, 2021, 6, .	2.3	21
8	ANGPTL4 sensitizes lipoprotein lipase to PCSK3 cleavage by catalyzing its unfolding. Journal of Lipid Research, 2021, 62, 100071.	2.0	9
9	Chylomicronemia From GPIHBP1 Autoantibodies Successfully Treated With Rituximab: A Case Report. Annals of Internal Medicine, 2020, 173, 764-765.	2.0	11
10	Aster Proteins Regulate the Accessible Cholesterol Pool in the Plasma Membrane. Molecular and Cellular Biology, 2020, 40, .	1.1	39
11	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
12	Nuclear membrane ruptures, cell death, and tissue damage in the setting of nuclear lamin deficiencies. Nucleus, 2020, 11, 237-249.	0.6	10
13	Chylomicronemia from GPIHBP1 autoantibodies. Journal of Lipid Research, 2020, 61, 1365-1376.	2.0	21
14	ANGPTL4 inactivates lipoprotein lipase by catalyzing the irreversible unfolding of LPL's hydrolase domain. Journal of Lipid Research, 2020, 61, 1253.	2.0	16
15	Images in Lipid Research. Journal of Lipid Research, 2020, 61, 589-590.	2.0	0
16	The fatty acids from LPL-mediated processing of triglyceride-rich lipoproteins are taken up rapidly by cardiomyocytes. Journal of Lipid Research, 2020, 61, 815.	2.0	3
17	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
18	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

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19	Intermittent chylomicronemia caused by intermittent GPIHBP1 autoantibodies. Journal of Clinical Lipidology, 2020, 14, 197-200.	0.6	13
20	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
21	GPIHBP1, a partner protein for lipoprotein lipase, is expressed only in capillary endothelial cells. Journal of Lipid Research, 2020, 61, 591.	2.0	9
22	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
23	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
24	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
25	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
26	GPIHBP1 and Lipoprotein Lipase, Partners in Plasma Triglyceride Metabolism. Cell Metabolism, 2019, 30, 51-65.	7.2	86
27	Correlative Live-Cell, Electron Microscopy and Nanoscale Secondary Ion Mass Spectrometry Elucidates the Mechanism for the Release of Cholesterol-Rich Particles from the Plasma Membrane of Macrophages. Microscopy and Microanalysis, 2019, 25, 1028-1029.	0.2	0
28	Evolution and Medical Significance of LU Domainâ˜Containing Proteins. International Journal of Molecular Sciences, 2019, 20, 2760.	1.8	29
29	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
30	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
31	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
32	GPIHBP1 autoantibody syndrome during interferon Î²1a treatment. Journal of Clinical Lipidology, 2019, 13, 62-69.	0.6	15
33	An upstream enhancer regulates Gpihbp1 expression in a tissue-specific manner. Journal of Lipid Research, 2019, 60, 869-879.	2.0	7
34	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
35	GPIHBP1 expression in gliomas promotes utilization of lipoprotein-derived nutrients. ELife, 2019, 8, .	2.8	10
36	Release of cholesterol-rich particles from the macrophage plasma membrane during movement of filopodia and lamellipodia. ELife, 2019, 8, .	2.8	27

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37	Impaired thermogenesis and sharp increases in plasma triglyceride levels in GPIHBP1-deficient mice during cold exposure. Journal of Lipid Research, 2018, 59, 706-713.	2.0	8
38	NanoSIMS Analysis of Intravascular Lipolysis and Lipid Movement across Capillaries and into Cardiomyocytes. Cell Metabolism, 2018, 27, 1055-1066.e3.	7.2	54
39	Palmoplantar keratoderma in Slurp1/Slurp2 double-knockout mice. Journal of Dermatological Science, 2018, 89, 85-87.	1.0	2
40	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
41	IL-10 Signaling Remodels Adipose Chromatin Architecture to Limit Thermogenesis and Energy Expenditure. Cell, 2018, 172, 218-233.e17.	13.5	142
42	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
43	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
44	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
45	NanoSIMS imaging reveals unexpected heterogeneity in nutrient uptake by brown adipocytes. Biochemical and Biophysical Research Communications, 2018, 504, 899-902.	1.0	8
46	Aster Proteins Facilitate Nonvesicular Plasma Membrane to ER Cholesterol Transport in Mammalian Cells. Cell, 2018, 175, 514-529.e20.	13.5	177
47	Correlative Electron Microscopy and NanoSIMS Analysis for Lipid Studies. Microscopy and Microanalysis, 2018, 24, 360-361.	0.2	1
48	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
49	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
50	Prelamin A causes aberrant myonuclear arrangement and results in muscle fiber weakness. JCI Insight, 2018, 3, .	2.3	19
51	Nanosims Imaging: An Approach for Visualizing and Quantifying Lipids in Cells and Tissues. Journal of Investigative Medicine, 2017, 65, 669-672.	0.7	28
52	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
53	Lamin B1 is required for mature neuron-specific gene expression during olfactory sensory neuron differentiation. Nature Communications, 2017, 8, 15098.	5.8	23
54	A hypomorphic Egfr allele does not ameliorate the palmoplantar keratoderma caused by SLURP1 deficiency. Experimental Dermatology, 2017, 26, 1134-1136.	1.4	1

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55	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
56	GPIHBP1 autoantibodies in a patient with unexplained chylomicronemia. Journal of Clinical Lipidology, 2017, 11, 964-971.	0.6	25
57	Autoantibodies against GPIHBP1 as a Cause of Hypertriglyceridemia. New England Journal of Medicine, 2017, 376, 1647-1658.	13.9	112
58	Apolipoprotein C-III inhibits triglyceride hydrolysis by GPIHBP1-bound LPL. Journal of Lipid Research, 2017, 58, 1893-1902.	2.0	39
59	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
60	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
61	Lipoprotein lipase reaches the capillary lumen in chickens despite an apparent absence of GPIHBP1. JCI Insight, 2017, 2, .	2.3	9
62	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
63	Multiparameter mechanical and morphometric screening of cells. Scientific Reports, 2016, 6, 37863.	1.6	44
64	Palmoplantar Keratoderma in Slurp2-Deficient Mice. Journal of Investigative Dermatology, 2016, 136, 436-443.	0.3	15
65	Angiopoietin-like 4 promotes intracellular degradation of lipoprotein lipase in adipocytes. Journal of Lipid Research, 2016, 57, 1670-1683.	2.0	86
66	Deficiency of Isoprenylcysteine Carboxyl Methyltransferase (ICMT) Leads to Progressive Loss of Photoreceptor Function. Journal of Neuroscience, 2016, 36, 5107-5114.	1.7	11
67	GPIHBP1 and Plasma Triglyceride Metabolism. Trends in Endocrinology and Metabolism, 2016, 27, 455-469.	3.1	67
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	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
70	LMNA missense mutations causing familial partial lipodystrophy do not lead to an accumulation of prelamin A. Nucleus, 2016, 7, 512-521.	0.6	11
71	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
72	Modulation of LMNA splicing as a strategy to treat prelamin A diseases. Journal of Clinical Investigation, 2016, 126, 1592-1602.	3.9	74

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73	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
74	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
75	Nuclear Envelope Protein Lem2 is Required for Mouse Development and Regulates MAP and AKT Kinases. PLoS ONE, 2015, 10, e0116196.	1.1	34
76	JCL Roundtable: Hypertriglyceridemia due to defects in lipoprotein lipase function. Journal of Clinical Lipidology, 2015, 9, 274-280.	0.6	16
77	Mice that express farnesylated versions of prelamin A in neurons develop achalasia. Human Molecular Genetics, 2015, 24, 2826-2840.	1.4	10
78	GPIHBP1 Missense Mutations Often Cause Multimerization of GPIHBP1 and Thereby Prevent Lipoprotein Lipase Binding. Circulation Research, 2015, 116, 624-632.	2.0	50
79	Lpcat3-dependent production of arachidonoyl phospholipids is a key determinant of triglyceride secretion. ELife, 2015, 4, .	2.8	142
80	Do lamin B1 and lamin B2 have redundant functions?. Nucleus, 2014, 5, 287-292.	0.6	12
81	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
82	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
83	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
84	The GPIHBP1â€“LPL Complex Is Responsible for the Margination of Triglyceride-Rich Lipoproteins in Capillaries. Cell Metabolism, 2014, 19, 849-860.	7.2	124
85	Response to Gerlic etÂal.. Cell Metabolism, 2014, 19, 346-347.	7.2	0
86	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
87	Nuclear Lamins and Neurobiology. Molecular and Cellular Biology, 2014, 34, 2776-2785.	1.1	43
88	The LXRâ€“Idol Axis Differentially Regulates Plasma LDL Levels in Primates and Mice. Cell Metabolism, 2014, 20, 910-918.	7.2	72
89	High-resolution imaging of dietary lipids in cells and tissues by NanoSIMS analysis. Journal of Lipid Research, 2014, 55, 2156-2166.	2.0	44
90	Palmoplantar Keratoderma along with Neuromuscular and Metabolic Phenotypes in Slurp1 -Deficient Mice. Journal of Investigative Dermatology, 2014, 134, 1589-1598.	0.3	35

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91	Lipin-1 and lipin-3 together determine adiposity in vivo. Molecular Metabolism, 2014, 3, 145-154.	3.0	48
92	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
93	A new monoclonal antibody, 4-1a, that binds to the amino terminus of human lipoprotein lipase. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 970-976.	1.2	4
94	Targeting Isoprenylcysteine Methylation Ameliorates Disease in a Mouse Model of Progeria. Science, 2013, 340, 1330-1333.	6.0	103
95	Nuclear Lamins in the Brain â€” New Insights into Function and Regulation. Molecular Neurobiology, 2013, 47, 290-301.	1.9	31
96	Targeting Protein Prenylation in Progeria. Science Translational Medicine, 2013, 5, 171ps3.	5.8	53
97	Biochemistry and pathophysiology of intravascular and intracellular lipolysis. Genes and Development, 2013, 27, 459-484.	2.7	277
98	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
99	Mammalian Farnesylated Protein-Converting Enzyme 1. , 2013, , 677-682.		0
100	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
101	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
102	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
103	Chylomicronemia mutations yield new insights into interactions between lipoprotein lipase and GPIHBP1. Human Molecular Genetics, 2012, 21, 2961-2972.	1.4	23
104	Understanding the Roles of Nuclear A- and B-type Lamins in Brain Development. Journal of Biological Chemistry, 2012, 287, 16103-16110.	1.6	48
105	Severe hepatocellular disease in mice lacking one or both CaaX prenyltransferases. Journal of Lipid Research, 2012, 53, 77-86.	2.0	13
106	Assessing mechanisms of GPIHBP1 and lipoprotein lipase movement across endothelial cells. Journal of Lipid Research, 2012, 53, 2690-2697.	2.0	62
107	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
108	Are B-type lamins essential in all mammalian cells?. Nucleus, 2011, 2, 562-569.	0.6	38

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109	Posttranslational Processing of Nuclear Lamins. The Enzymes, 2011, , 21-41.	0.7	4
110	GPIHBP1, an endothelial cell transporter for lipoprotein lipase. Journal of Lipid Research, 2011, 52, 1869-1884.	2.0	94
111	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
112	Binding Preferences for GPIHBP1, a Glycosylphosphatidylinositol-Anchored Protein of Capillary Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 176-182.	1.1	41
113	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
114	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
115	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
116	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
117	Investigating the purpose of prelamin A processing. Nucleus, 2011, 2, 4-9.	0.6	39
118	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
119	Investigating the purpose of prelamin A processing. Nucleus, 2011, 2, 4-9.	0.6	32
120	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
121	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
122	Chylomicronemia Elicits Atherosclerosis in Miceâ€"Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 20-23.	1.1	63
123	An accumulation of non-farnesylated prelamin A causes cardiomyopathy but not progeria. Human Molecular Genetics, 2010, 19, 2682-2694.	1.4	91
124	Mutation of conserved cysteines in the Ly6 domain of GPIHBP1 in familial chylomicronemia. Journal of Lipid Research, 2010, 51, 1535-1545.	2.0	103
125	Genetic studies on the functional relevance of the protein prenyltransferases in skin keratinocytes. Human Molecular Genetics, 2010, 19, 1603-1617.	1.4	33
126	Chylomicronemia With Low Postheparin Lipoprotein Lipase Levels in the Setting of GPIHBP1 Defects. Circulation: Cardiovascular Genetics, 2010, 3, 169-178.	5.1	100

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127	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
128	Assessing the efficacy of protein farnesyltransferase inhibitors in mouse models of progeria. Journal of Lipid Research, 2010, 51, 400-405.	2.0	37
129	LINCing lamin B2 to neuronal migration. Nucleus, 2010, 1, 407-411.	0.6	36
130	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
131	GPIHBP1 Is Responsible for the Entry of Lipoprotein Lipase into Capillaries. Cell Metabolism, 2010, 12, 42-52.	7.2	298
132	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
133	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
134	Chylomicronemia With a Mutant GPIHBP1 (Q115P) That Cannot Bind Lipoprotein Lipase. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 956-962.	1.1	151
135	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
136	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
137	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
138	Caution! Analyze transcripts from conditional knockout alleles. Transgenic Research, 2009, 18, 483-489.	1.3	30
139	The Posttranslational Processing of Prelamin A and Disease. Annual Review of Genomics and Human Genetics, 2009, 10, 153-174.	2.5	121
140	GPIHBP1 and lipolysis: an update. Current Opinion in Lipidology, 2009, 20, 211-216.	1.2	35
141	Laminopathies and the long strange trip from basic cell biology to therapy. Journal of Clinical Investigation, 2009, 119, 1825-1836.	3.9	223
142	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
143	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
144	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

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145	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
146	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
147	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
148	Abnormal Patterns of Lipoprotein Lipase Release into the Plasma in GPIHBP1-deficient Mice. Journal of Biological Chemistry, 2008, 283, 34511-34518.	1.6	64
149	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
150	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
151	HIV protease inhibitors block the zinc metalloproteinase ZMPSTE24 and lead to an accumulation of farnesylâ€prelamin A in cells.. FASEB Journal, 2008, 22, 401.3.	0.2	0
152	Mesenchymal Stem Cells Ameliorate Murine Progeria Phenotype. Blood, 2008, 112, 2413-2413.	0.6	0
153	Cell Nuclei Spin in the Absence of Lamin B1. Journal of Biological Chemistry, 2007, 282, 20015-20026.	1.6	83
154	GPIHBP1: an endothelial cell molecule important for the lipolytic processing of chylomicrons. Current Opinion in Lipidology, 2007, 18, 389-396.	1.2	74
155	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
156	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
157	Increased progerin expression associated with unusualLMNAmutations causes severe progeroid syndromes. Human Mutation, 2007, 28, 882-889.	1.1	103
158	Mouse models of the laminopathies. Experimental Cell Research, 2007, 313, 2144-2156.	1.2	105
159	Early embryonic lethality caused by disruption of the gene for choline kinase alpha, the first enzyme in phosphatidylcholine biosynthesis. FASEB Journal, 2007, 21, A238.	0.2	2
160	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
161	A Protein Farnesyltransferase Inhibitor Ameliorates Disease in a Mouse Model of Progeria. Science, 2006, 311, 1621-1623.	6.0	295
162	Protein farnesyltransferase inhibitors and progeria. Trends in Molecular Medicine, 2006, 12, 480-487.	3.5	37

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163	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
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