

Joachim Herz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6466156/publications.pdf>

Version: 2024-02-01

234
papers

31,881
citations

4120

87
h-index

4419

172
g-index

250
all docs

250
docs citations

250
times ranked

29108
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical and Biological Features Associated With Epidermal Growth Factor Receptor Gene Mutations in Lung Cancers. <i>Journal of the National Cancer Institute</i> , 2005, 97, 339-346.	3.0	2,194
2	Suppression of Aging in Mice by the Hormone Klotho. <i>Science</i> , 2005, 309, 1829-1833.	6.0	1,634
3	Reeler/Disabled-like Disruption of Neuronal Migration in Knockout Mice Lacking the VLDL Receptor and ApoE Receptor 2. <i>Cell</i> , 1999, 97, 689-701.	13.5	1,194
4	An Endocytic Pathway Essential for Renal Uptake and Activation of the Steroid 25-(OH) Vitamin D3. <i>Cell</i> , 1999, 96, 507-515.	13.5	924
5	Direct Binding of Reelin to VLDL Receptor and ApoE Receptor 2 Induces Tyrosine Phosphorylation of Disabled-1 and Modulates Tau Phosphorylation. <i>Neuron</i> , 1999, 24, 481-489.	3.8	846
6	LRP: a multifunctional scavenger and signaling receptor. <i>Journal of Clinical Investigation</i> , 2001, 108, 779-784.	3.9	832
7	Essential functions of synapsins I and II in synaptic vesicle regulation. <i>Nature</i> , 1995, 375, 488-493.	13.7	708
8	The LDLâ€“receptorâ€“related protein, LRP, is an apolipoprotein E-binding protein. <i>Nature</i> , 1989, 341, 162-164.	13.7	645
9	Apolipoprotein E and Apolipoprotein E Receptors: Normal Biology and Roles in Alzheimer Disease. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012, 2, a006312-a006312.	2.9	637
10	LDL receptor-related protein internalizes and degrades uPA-PAI-1 complexes and is essential for embryo implantation. <i>Cell</i> , 1992, 71, 411-421.	13.5	574
11	Reelin and ApoE Receptors Cooperate to Enhance Hippocampal Synaptic Plasticity and Learning. <i>Journal of Biological Chemistry</i> , 2002, 277, 39944-39952.	1.6	548
12	LRP: Role in Vascular Wall Integrity and Protection from Atherosclerosis. <i>Science</i> , 2003, 300, 329-332.	6.0	528
13	Interaction of Cytosolic Adaptor Proteins with Neuronal Apolipoprotein E Receptors and the Amyloid Precursor Protein. <i>Journal of Biological Chemistry</i> , 1998, 273, 33556-33560.	1.6	502
14	Reelin, lipoprotein receptors and synaptic plasticity. <i>Nature Reviews Neuroscience</i> , 2006, 7, 850-859.	4.9	452
15	Modulation of Synaptic Plasticity and Memory by Reelin Involves Differential Splicing of the Lipoprotein Receptor Apoer2. <i>Neuron</i> , 2005, 47, 567-579.	3.8	429
16	Interactions of the Low Density Lipoprotein Receptor Gene Family with Cytosolic Adaptor and Scaffold Proteins Suggest Diverse Biological Functions in Cellular Communication and Signal Transduction. <i>Journal of Biological Chemistry</i> , 2000, 275, 25616-25624.	1.6	417
17	Lipoprotein Receptors in the Nervous System. <i>Annual Review of Biochemistry</i> , 2002, 71, 405-434.	5.0	402
18	Homology of 54K protein of signal-recognition particle, docking protein and two E. coli proteins with putative GTPâ€“binding domains. <i>Nature</i> , 1989, 340, 478-482.	13.7	388

#	ARTICLE	IF	CITATIONS
19	Identification of Neuronal RNA Targets of TDP-43-containing Ribonucleoprotein Complexes. <i>Journal of Biological Chemistry</i> , 2011, 286, 1204-1215.	1.6	366
20	TDP-43 Is a Developmentally Regulated Protein Essential for Early Embryonic Development. <i>Journal of Biological Chemistry</i> , 2010, 285, 6826-6834.	1.6	333
21	Reelin Activates Src Family Tyrosine Kinases in Neurons. <i>Current Biology</i> , 2003, 13, 18-26.	1.8	325
22	Amyloid Precursor Protein Regulates Brain Apolipoprotein E and Cholesterol Metabolism through Lipoprotein Receptor LRP1. <i>Neuron</i> , 2007, 56, 66-78.	3.8	320
23	ApoE4 reduces glutamate receptor function and synaptic plasticity by selectively impairing ApoE receptor recycling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12011-12016.	3.3	304
24	TDP-43 Is Directed to Stress Granules by Sorbitol, a Novel Physiological Osmotic and Oxidative Stressor. <i>Molecular and Cellular Biology</i> , 2011, 31, 1098-1108.	1.1	296
25	Smooth muscle-selective deletion of guanylyl cyclase-A prevents the acute but not chronic effects of ANP on blood pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 7142-7147.	3.3	294
26	Reelin-mediated Signaling Locally Regulates Protein Kinase B/Akt and Glycogen Synthase Kinase 3 β . <i>Journal of Biological Chemistry</i> , 2002, 277, 49958-49964.	1.6	275
27	Proteolytic Processing of Low Density Lipoprotein Receptor-related Protein Mediates Regulated Release of Its Intracellular Domain. <i>Journal of Biological Chemistry</i> , 2002, 277, 18736-18743.	1.6	262
28	A Consensus Definitive Classification of Scavenger Receptors and Their Roles in Health and Disease. <i>Journal of Immunology</i> , 2017, 198, 3775-3789.	0.4	261
29	Apolipoprotein E Induces Antiinflammatory Phenotype in Macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1160-1168.	1.1	257
30	Reelin Modulates NMDA Receptor Activity in Cortical Neurons. <i>Journal of Neuroscience</i> , 2005, 25, 8209-8216.	1.7	254
31	Disruption of Cholesterol 7 α -Hydroxylase Gene in Mice. <i>Journal of Biological Chemistry</i> , 1996, 271, 18024-18031.	1.6	227
32	The LDL Receptor Gene Family. <i>Neuron</i> , 2001, 29, 571-581.	3.8	221
33	The Reelin Receptor ApoER2 Recruits JNK-interacting Proteins-1 and -2. <i>Journal of Biological Chemistry</i> , 2000, 275, 25625-25632.	1.6	220
34	Lipoprotein receptors: new roles for ancient proteins. <i>Nature Cell Biology</i> , 1999, 1, E157-E162.	4.6	205
35	Disruption of Cholesterol 7 α -Hydroxylase Gene in Mice. <i>Journal of Biological Chemistry</i> , 1996, 271, 18017-18023.	1.6	203
36	Interaction of reelin signaling and Lis1 in brain development. <i>Nature Genetics</i> , 2003, 35, 270-276.	9.4	199

#	ARTICLE	IF	CITATIONS
37	Neuronal LRP1 Functionally Associates with Postsynaptic Proteins and Is Required for Normal Motor Function in Mice. <i>Molecular and Cellular Biology</i> , 2004, 24, 8872-8883.	1.1	197
38	Progranulin: A Proteolytically Processed Protein at the Crossroads of Inflammation and Neurodegeneration. <i>Journal of Biological Chemistry</i> , 2012, 287, 32298-32306.	1.6	192
39	Apolipoprotein E receptors: linking brain development and alzheimer's disease. <i>Nature Reviews Neuroscience</i> , 2000, 1, 51-58.	4.9	190
40	Platelet-derived Growth Factor Mediates Tyrosine Phosphorylation of the Cytoplasmic Domain of the Low Density Lipoprotein Receptor-related Protein in Caveolae. <i>Journal of Biological Chemistry</i> , 2002, 277, 15507-15513.	1.6	190
41	Phosphatidylinositol 3-Kinase Interacts with the Adaptor Protein Dab1 in Response to Reelin Signaling and Is Required for Normal Cortical Lamination. <i>Journal of Biological Chemistry</i> , 2003, 278, 38772-38779.	1.6	189
42	Adult Apaf-1-Deficient Mice Exhibit Male Infertility. <i>Developmental Biology</i> , 2000, 218, 248-258.	0.9	188
43	The Central Fragment of Reelin, Generated by Proteolytic Processing In Vivo, Is Critical to Its Function during Cortical Plate Development. <i>Journal of Neuroscience</i> , 2004, 24, 514-521.	1.7	183
44	Lrp4, a Novel Receptor for Dickkopf 1 and Sclerostin, Is Expressed by Osteoblasts and Regulates Bone Growth and Turnover In Vivo. <i>PLoS ONE</i> , 2009, 4, e7930.	1.1	181
45	TDP-43 aggregation in neurodegeneration: Are stress granules the key?. <i>Brain Research</i> , 2012, 1462, 16-25.	1.1	180
46	Receptor Clustering Is Involved in Reelin Signaling. <i>Molecular and Cellular Biology</i> , 2004, 24, 1378-1386.	1.1	179
47	Lrp4 Modulates Extracellular Integration of Cell Signaling Pathways in Development. <i>PLoS ONE</i> , 2008, 3, e4092.	1.1	171
48	Insulin-secreting β -Cell Dysfunction Induced by Human Lipoproteins. <i>Journal of Biological Chemistry</i> , 2003, 278, 18368-18375.	1.6	167
49	Standardizing Scavenger Receptor Nomenclature. <i>Journal of Immunology</i> , 2014, 192, 1997-2006.	0.4	166
50	Antiphospholipid antibodies promote leukocyte-endothelial cell adhesion and thrombosis in mice by antagonizing eNOS via β 2GPI and apoER2. <i>Journal of Clinical Investigation</i> , 2011, 121, 120-131.	3.9	165
51	Blood-brain barrier-associated pericytes internalize and clear aggregated amyloid- β 42 by LRP1-dependent apolipoprotein E isoform-specific mechanism. <i>Molecular Neurodegeneration</i> , 2018, 13, 57.	4.4	164
52	Endocytic receptor LRP together with tPA and PAI-1 coordinates Mac-1-dependent macrophage migration. <i>EMBO Journal</i> , 2006, 25, 1860-1870.	3.5	161
53	The low-density lipoprotein receptor-related protein: double agent or decoy?. <i>Current Opinion in Lipidology</i> , 1991, 2, 65-72.	1.2	157
54	Reelin Controls Neuronal Positioning by Promoting Cell-Matrix Adhesion via Inside-Out Activation of Integrin α 5 β 1. <i>Neuron</i> , 2012, 76, 353-369.	3.8	156

#	ARTICLE	IF	CITATIONS
55	Calcium cages, acid baths and recycling receptors. <i>Nature</i> , 1997, 388, 629-630.	13.7	155
56	LRP4 Mutations Alter Wnt/ β -Catenin Signaling and Cause Limb and Kidney Malformations in Cenani-Lenz Syndrome. <i>American Journal of Human Genetics</i> , 2010, 86, 696-706.	2.6	151
57	Reelin signaling antagonizes β -amyloid at the synapse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15938-15943.	3.3	139
58	Suberoylanilide Hydroxamic Acid (Vorinostat) Up-regulates Progranulin Transcription. <i>Journal of Biological Chemistry</i> , 2011, 286, 16101-16108.	1.6	138
59	The primary structure of the 70 kDa subunit of bovine soluble guanylate cyclase. <i>FEBS Letters</i> , 1988, 239, 29-34.	1.3	136
60	Functions of lipoprotein receptors in neurons. <i>Journal of Lipid Research</i> , 2004, 45, 403-409.	2.0	135
61	Adipocyte LDL receptor-related protein 1 expression modulates postprandial lipid transport and glucose homeostasis in mice. <i>Journal of Clinical Investigation</i> , 2007, 117, 3271-3282.	3.9	135
62	Differential Glycosylation Regulates Processing of Lipoprotein Receptors by β -Secretase. <i>Journal of Biological Chemistry</i> , 2003, 278, 37386-37392.	1.6	132
63	Sustained somatic gene inactivation by viral transfer of Cre recombinase. <i>Nature Biotechnology</i> , 1996, 14, 1562-1565.	9.4	129
64	More than Cholesterol Transporters: Lipoprotein Receptors in CNS Function and Neurodegeneration. <i>Neuron</i> , 2014, 83, 771-787.	3.8	127
65	Cholesterol metabolism and embryogenesis. <i>Trends in Genetics</i> , 1998, 14, 115-120.	2.9	125
66	Abnormal development of the apical ectodermal ridge and polysyndactyly in <i>Megf7</i> -deficient mice. <i>Human Molecular Genetics</i> , 2005, 14, 3523-3538.	1.4	124
67	Essential roles for the FE65 amyloid precursor protein-interacting proteins in brain development. <i>EMBO Journal</i> , 2006, 25, 420-431.	3.5	122
68	Conditional Expression of Mutant M-line Titins Results in Cardiomyopathy with Altered Sarcomere Structure. <i>Journal of Biological Chemistry</i> , 2003, 278, 6059-6065.	1.6	118
69	The low-density-lipoprotein receptor-related protein (LRP) is processed by furin in vivo and in vitro. <i>Biochemical Journal</i> , 1996, 313, 71-76.	1.7	117
70	Origins of Peptide Selectivity and Phosphoinositide Binding Revealed by Structures of Disabled-1 PTB Domain Complexes. <i>Structure</i> , 2003, 11, 569-579.	1.6	117
71	β -Secretase Limits the Inflammatory Response Through the Processing of LRP1. <i>Science Signaling</i> , 2008, 1, ra15.	1.6	116
72	Activity-dependent FUS dysregulation disrupts synaptic homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4769-78.	3.3	116

#	ARTICLE	IF	CITATIONS
73	Emerging topics in Reelin function. <i>European Journal of Neuroscience</i> , 2010, 31, 1511-1518.	1.2	115
74	Genome-wide RNAi screen reveals ALK1 mediates LDL uptake and transcytosis in endothelial cells. <i>Nature Communications</i> , 2016, 7, 13516.	5.8	115
75	Proteomic Analysis of GLUT4 Storage Vesicles Reveals LRP1 to Be an Important Vesicle Component and Target of Insulin Signaling. <i>Journal of Biological Chemistry</i> , 2010, 285, 104-114.	1.6	113
76	ApoE, ApoE Receptors, and the Synapse in Alzheimer's Disease. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 273-284.	3.1	112
77	Elevated plasma factor VIII in a mouse model of low-density lipoprotein receptor-related protein deficiency. <i>Blood</i> , 2003, 101, 3933-3939.	0.6	111
78	LRP1 Functions as an Atheroprotective Integrator of TGF β 2 and PDGF Signals in the Vascular Wall: Implications for Marfan Syndrome. <i>PLoS ONE</i> , 2007, 2, e448.	1.1	110
79	Efficient construction of cDNA libraries in plasmid expression vectors using an adaptor strategy. <i>Nucleic Acids Research</i> , 1986, 14, 8615-8624.	6.5	107
80	Reelin and Cyclin-Dependent Kinase 5-Dependent Signals Cooperate in Regulating Neuronal Migration and Synaptic Transmission. <i>Journal of Neuroscience</i> , 2004, 24, 1897-1906.	1.7	107
81	LRP1 Controls Intracellular Cholesterol Storage and Fatty Acid Synthesis through Modulation of Wnt Signaling. <i>Journal of Biological Chemistry</i> , 2009, 284, 381-388.	1.6	106
82	Reelin Mobilizes a VAMP7-Dependent Synaptic Vesicle Pool and Selectively Augments Spontaneous Neurotransmission. <i>Neuron</i> , 2013, 80, 934-946.	3.8	106
83	Functional Dissection of Reelin Signaling by Site-Directed Disruption of Disabled-1 Adaptor Binding to Apolipoprotein E Receptor 2: Distinct Roles in Development and Synaptic Plasticity. <i>Journal of Neuroscience</i> , 2006, 26, 2041-2052.	1.7	105
84	Lipoprotein receptors – an evolutionarily ancient multifunctional receptor family. <i>Biological Chemistry</i> , 2010, 391, 1341-63.	1.2	103
85	Lymphoangiocrine signals promote cardiac growth and repair. <i>Nature</i> , 2020, 588, 705-711.	13.7	103
86	Signaling through LRP1: Protection from atherosclerosis and beyond. <i>Biochemical Pharmacology</i> , 2011, 81, 1-5.	2.0	101
87	Reelin: Neurodevelopmental Architect and Homeostatic Regulator of Excitatory Synapses. <i>Journal of Biological Chemistry</i> , 2017, 292, 1330-1338.	1.6	98
88	Lipidomic and Transcriptomic Basis of Lysosomal Dysfunction in Progranulin Deficiency. <i>Cell Reports</i> , 2017, 20, 2565-2574.	2.9	98
89	Apolipoprotein E Receptors Are Required for Reelin-induced Proteasomal Degradation of the Neuronal Adaptor Protein Disabled-1. <i>Journal of Biological Chemistry</i> , 2004, 279, 33471-33479.	1.6	97
90	Essential Role of the Apolipoprotein E Receptor-2 in Sperm Development. <i>Journal of Biological Chemistry</i> , 2003, 278, 23989-23995.	1.6	95

#	ARTICLE	IF	CITATIONS
91	Early retinal neurodegeneration and impaired Ran-mediated nuclear import of TDP-43 in progranulin-deficient FTL. <i>Journal of Experimental Medicine</i> , 2014, 211, 1937-1945.	4.2	94
92	Malformation of the radial glial scaffold in the dentate gyrus of reeler mice, scrambler mice, and ApoER2/VLDLR-deficient mice. <i>Journal of Comparative Neurology</i> , 2003, 460, 56-65.	0.9	91
93	An AXL/LRP-1/RANBP9 complex mediates DC efferocytosis and antigen cross-presentation in vivo. <i>Journal of Clinical Investigation</i> , 2014, 124, 1296-1308.	3.9	91
94	The Pro-Neurotrophin Receptor Sortilin Is a Major Neuronal Apolipoprotein E Receptor for Catabolism of Amyloid- β Peptide in the Brain. <i>Journal of Neuroscience</i> , 2013, 33, 358-370.	1.7	86
95	Normal Sorting but Defective Endocytosis of the Low Density Lipoprotein Receptor in Mice with Autosomal Recessive Hypercholesterolemia. <i>Journal of Biological Chemistry</i> , 2003, 278, 29024-29030.	1.6	85
96	Progranulin Does Not Bind Tumor Necrosis Factor (TNF) Receptors and Is Not a Direct Regulator of TNF-Dependent Signaling or Bioactivity in Immune or Neuronal Cells. <i>Journal of Neuroscience</i> , 2013, 33, 9202-9213.	1.7	85
97	CANCER: A Bull's Eye for Targeted Lung Cancer Therapy. <i>Science</i> , 2004, 304, 1458-1461.	6.0	84
98	Lipoprotein and receptor interactions in vivo. <i>Current Opinion in Lipidology</i> , 1995, 6, 97-103.	1.2	83
99	Low Density Lipoprotein Receptor-related Protein 1 (LRP1) Controls Endocytosis and c-CBL-mediated Ubiquitination of the Platelet-derived Growth Factor Receptor β 2 (PDGFR β 2). <i>Journal of Biological Chemistry</i> , 2005, 280, 18504-18510.	1.6	83
100	LRP1 is a receptor for <i>Clostridium perfringens</i> TpeL toxin indicating a two-receptor model of clostridial glycosylating toxins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6431-6436.	3.3	82
101	Genetic Restoration of Plasma ApoE Improves Cognition and Partially Restores Synaptic Defects in ApoE-Deficient Mice. <i>Journal of Neuroscience</i> , 2016, 36, 10141-10150.	1.7	81
102	Genetic Modulation of Tau Phosphorylation in the Mouse. <i>Journal of Neuroscience</i> , 2003, 23, 187-192.	1.7	80
103	The Modular Adaptor Protein Autosomal Recessive Hypercholesterolemia (ARH) Promotes Low Density Lipoprotein Receptor Clustering into Clathrin-coated Pits. <i>Journal of Biological Chemistry</i> , 2005, 280, 40996-41004.	1.6	80
104	ApoE Receptor 2 Controls Neuronal Survival in the Adult Brain. <i>Current Biology</i> , 2006, 16, 2446-2452.	1.8	78
105	Reelin protects against amyloid β 2 toxicity in vivo. <i>Science Signaling</i> , 2015, 8, ra67.	1.6	78
106	News on the molecular regulation and function of hepatic low-density lipoprotein receptor and LDLR-related protein 1. <i>Current Opinion in Lipidology</i> , 2017, 28, 241-247.	1.2	76
107	LRP1 integrates murine macrophage cholesterol homeostasis and inflammatory responses in atherosclerosis. <i>ELife</i> , 2017, 6, .	2.8	76
108	Reelin Signals through Apolipoprotein E Receptor 2 and Cdc42 to Increase Growth Cone Motility and Filopodia Formation. <i>Journal of Neuroscience</i> , 2010, 30, 14759-14772.	1.7	75

#	ARTICLE	IF	CITATIONS
109	Origin, maturation, and astroglial transformation of secondary radial glial cells in the developing dentate gyrus. <i>Glia</i> , 2010, 58, 1553-1569.	2.5	74
110	The nuclear hormone receptor PPAR δ counteracts vascular calcification by inhibiting Wnt5a signalling in vascular smooth muscle cells. <i>Nature Communications</i> , 2012, 3, 1077.	5.8	73
111	The LDL-receptor-related protein ??? portrait of a multifunctional receptor. <i>Current Opinion in Lipidology</i> , 1993, 4, 107-113.	1.2	72
112	The LDL receptor gene family: signaling functions during development. <i>Current Opinion in Neurobiology</i> , 2001, 11, 74-81.	2.0	72
113	Constitutive and ligand-induced EGFR signalling triggers distinct and mutually exclusive downstream signalling networks. <i>Nature Communications</i> , 2014, 5, 5811.	5.8	72
114	Trypanosoma cruzi Utilizes the Host Low Density Lipoprotein Receptor in Invasion. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e953.	1.3	71
115	Apolipoprotein E receptors in the nervous system. <i>Current Opinion in Lipidology</i> , 2009, 20, 190-196.	1.2	70
116	Lipoprotein Receptor LRP1 Regulates Leptin Signaling and Energy Homeostasis in the Adult Central Nervous System. <i>PLoS Biology</i> , 2011, 9, e1000575.	2.6	70
117	Cellular signalling by lipoprotein receptors. <i>Current Opinion in Lipidology</i> , 2000, 11, 161-166.	1.2	69
118	Expanding functions of lipoprotein receptors. <i>Journal of Lipid Research</i> , 2009, 50, S287-S292.	2.0	69
119	TDP-43 in central nervous system development and function: clues to TDP-43-associated neurodegeneration. <i>Biological Chemistry</i> , 2012, 393, 589-594.	1.2	69
120	Coaxing the LDL Receptor Family into the Fold. <i>Cell</i> , 2003, 112, 289-292.	13.5	68
121	Prosaposin is a regulator of progranulin levels and oligomerization. <i>Nature Communications</i> , 2016, 7, 11992.	5.8	68
122	Two Receptor Systems Are Involved in the Plasma Clearance of Tissue Factor Pathway Inhibitor in Vivo. <i>Journal of Biological Chemistry</i> , 1995, 270, 24800-24804.	1.6	67
123	Normal Development and Fertility of Knockout Mice Lacking the Tumor Suppressor Gene LRP1b Suggest Functional Compensation by LRP1. <i>Molecular and Cellular Biology</i> , 2004, 24, 3782-3793.	1.1	67
124	Low Density Lipoprotein Receptor-related Protein 1 (LRP1) Modulates N-Methyl-d-aspartate (NMDA) Receptor-dependent Intracellular Signaling and NMDA-induced Regulation of Postsynaptic Protein Complexes. <i>Journal of Biological Chemistry</i> , 2013, 288, 21909-21923.	1.6	65
125	Structure and biosynthesis of the signal-sequence receptor. <i>FEBS Journal</i> , 1990, 188, 439-445.	0.2	64
126	The ApoE receptors Vldlr and Apoer2 in central nervous system function and disease. <i>Journal of Lipid Research</i> , 2017, 58, 1036-1043.	2.0	64

#	ARTICLE	IF	CITATIONS
127	The Major Subunit of the Asialoglycoprotein Receptor Is Expressed on the Hepatocellular Surface in Mice Lacking the Minor Receptor Subunit. <i>Journal of Biological Chemistry</i> , 1996, 271, 21160-21166.	1.6	63
128	Reelin induces EphB activation. <i>Cell Research</i> , 2013, 23, 473-490.	5.7	62
129	Reversal of ApoE4-induced recycling block as a novel prevention approach for Alzheimer's disease. <i>ELife</i> , 2018, 7, .	2.8	62
130	LRP1 Regulates Architecture of the Vascular Wall by Controlling PDGFR β -Dependent Phosphatidylinositol 3-Kinase Activation. <i>PLoS ONE</i> , 2009, 4, e6922.	1.1	61
131	Mutations in <i>VLDLR</i> as a Cause for Autosomal Recessive Cerebellar Ataxia With Mental Retardation (Dysequilibrium Syndrome). <i>Journal of Child Neurology</i> , 2009, 24, 1310-1315.	0.7	60
132	LDL Receptor-Related Proteins in Neurodevelopment. <i>Traffic</i> , 2003, 4, 291-301.	1.3	59
133	Endothelial LRP1 protects against neurodegeneration by blocking cyclophilin A. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	59
134	Low-Density Lipoprotein Receptor-Related Protein-1 Protects Against Hepatic Insulin Resistance and Hepatic Steatosis. <i>EBioMedicine</i> , 2016, 7, 135-145.	2.7	58
135	Functional Roles of the Interaction of APP and Lipoprotein Receptors. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 54.	1.4	58
136	Differential Recognition of α 1-Antitrypsin-Elastase and α 1-Antichymotrypsin-Cathepsin G Complexes by the Low Density Lipoprotein Receptor-related Protein. <i>Journal of Biological Chemistry</i> , 1995, 270, 2841-2845.	1.6	57
137	The Pafah1b Complex Interacts with the Reelin Receptor VLDLR. <i>PLoS ONE</i> , 2007, 2, e252.	1.1	57
138	APP interacts with LRP4 and agrin to coordinate the development of the neuromuscular junction in mice. <i>ELife</i> , 2013, 2, e00220.	2.8	57
139	ApoE Receptor 2 Mediation of Trophoblast Dysfunction and Pregnancy Complications Induced by Antiphospholipid Antibodies in Mice. <i>Arthritis and Rheumatology</i> , 2016, 68, 730-739.	2.9	56
140	Lrp4 Regulates Initiation of Ureteric Budding and Is Crucial for Kidney Formation " A Mouse Model for Cenani-Lenz Syndrome. <i>PLoS ONE</i> , 2010, 5, e10418.	1.1	54
141	Avian and Murine LR8B and Human Apolipoprotein E Receptor 2: Differentially Spliced Products from Corresponding Genes. <i>Genomics</i> , 1997, 42, 185-191.	1.3	52
142	Defective splicing of <i>Megf7/Lrp4</i> , a regulator of distal limb development, in autosomal recessive mulefoot disease. <i>Genomics</i> , 2006, 88, 600-609.	1.3	52
143	A role for suppressed incisor cuspal morphogenesis in the evolution of mammalian heterodont dentition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 92-97.	3.3	51
144	Disruption of LDL but not VLDL clearance in autosomal recessive hypercholesterolemia. <i>Journal of Clinical Investigation</i> , 2007, 117, 165-174.	3.9	51

#	ARTICLE	IF	CITATIONS
145	Antiphospholipid antibodies induce thrombosis by PP2A activation via apoER2-Dab2-SHC1 complex formation in endothelium. <i>Blood</i> , 2018, 131, 2097-2110.	0.6	50
146	LRP: a bright beacon at the blood-brain barrier. <i>Journal of Clinical Investigation</i> , 2003, 112, 1483-1485.	3.9	50
147	Genetic variants of ApoE and ApoER2 differentially modulate endothelial function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13493-13498.	3.3	49
148	Differential splicing and glycosylation of Apoer2 alters synaptic plasticity and fear learning. <i>Science Signaling</i> , 2014, 7, ra113.	1.6	46
149	Loss of Reelin protects against atherosclerosis by reducing leukocyte endothelial cell adhesion and lesion macrophage accumulation. <i>Science Signaling</i> , 2016, 9, ra29.	1.6	46
150	Agriin mediates chondrocyte homeostasis and requires both LRP4 and β -dystroglycan to enhance cartilage formation in vitro and in vivo. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 1228-1235.	0.5	46
151	LRP1 Deficiency in Vascular SMC Leads to Pulmonary Arterial Hypertension That Is Reversed by PPAR γ Activation. <i>Circulation Research</i> , 2019, 124, 1778-1785.	2.0	46
152	The Reelin Receptors Apoer2 and Vldlr Coordinate the Patterning of Purkinje Cell Topography in the Developing Mouse Cerebellum. <i>PLoS ONE</i> , 2008, 3, e1653.	1.1	45
153	Lrp1 in osteoblasts controls osteoclast activity and protects against osteoporosis by limiting PDGF-RANKL signaling. <i>Bone Research</i> , 2018, 6, 4.	5.4	45
154	Serum amyloid A delivers retinol to intestinal myeloid cells to promote adaptive immunity. <i>Science</i> , 2021, 373, eabf9232.	6.0	45
155	Smooth Muscle LDL Receptor-Related Protein-1 Inactivation Reduces Vascular Reactivity and Promotes Injury-Induced Neointima Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1772-1778.	1.1	42
156	The lipoprotein receptor LRP1 modulates sphingosine-1-phosphate signaling and is essential for vascular development. <i>Development (Cambridge)</i> , 2014, 141, 4513-4525.	1.2	41
157	Imaging subcellular dynamics with fast and light-efficient volumetrically parallelized microscopy. <i>Optica</i> , 2017, 4, 263.	4.8	41
158	The Low Density Lipoprotein Receptor-related Protein Can Function Independently from Heparan Sulfate Proteoglycans in Tissue Factor Pathway Inhibitor Endocytosis. <i>Journal of Biological Chemistry</i> , 1996, 271, 25873-25879.	1.6	40
159	Characterization and Distribution of Reelin-Positive Interneuron Subtypes in the Rat Barrel Cortex. <i>Cerebral Cortex</i> , 2014, 24, 3046-3058.	1.6	39
160	C1 Inhibitor-C1 β s Complexes Are Internalized and Degraded by the Low Density Lipoprotein Receptor-related Protein. <i>Journal of Biological Chemistry</i> , 1997, 272, 31043-31050.	1.6	38
161	Ectodomains of the LDL Receptor-Related Proteins LRP1b and LRP4 Have Anchorage Independent Functions In Vivo. <i>PLoS ONE</i> , 2010, 5, e9960.	1.1	37
162	An Extrahepatic Receptor-associated Protein-sensitive Mechanism Is Involved in the Metabolism of Triglyceride-rich Lipoproteins. <i>Journal of Biological Chemistry</i> , 1999, 274, 35219-35226.	1.6	36

#	ARTICLE	IF	CITATIONS
163	Phosphoinositide Binding by the Disabled-1 PTB Domain Is Necessary for Membrane Localization and Reelin Signal Transduction. <i>Journal of Biological Chemistry</i> , 2005, 280, 9671-9677.	1.6	36
164	Hepatic low-density lipoprotein receptor-related protein deficiency in mice increases atherosclerosis independent of plasma cholesterol. <i>Blood</i> , 2004, 103, 3777-3782.	0.6	35
165	LRP1 Controls cPLA2 Phosphorylation, ABCA1 Expression and Cellular Cholesterol Export. <i>PLoS ONE</i> , 2009, 4, e6853.	1.1	35
166	Expression of a recombinant full-length LRP1B receptor in human non-small cell lung cancer cells confirms the postulated growth-suppressing function of this large LDL receptor family member. <i>Oncotarget</i> , 2016, 7, 68721-68733.	0.8	35
167	Intracellular lipid metabolism impairs β^2 cell compensation during diet-induced obesity. <i>Journal of Clinical Investigation</i> , 2018, 128, 1178-1189.	3.9	33
168	The 68 kDa protein of signal recognition particle contains a glycine-rich region also found in certain RNA-binding proteins. <i>FEBS Letters</i> , 1990, 276, 103-107.	1.3	32
169	Role of Smooth Muscle cGMP/cGKI Signaling in Murine Vascular Restenosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1244-1250.	1.1	32
170	Functions of the LDL Receptor Gene Family. <i>Annals of the New York Academy of Sciences</i> , 1994, 737, 14-19.	1.8	31
171	Selectivity and Kinetic Requirements of HDAC Inhibitors as Progranulin Enhancers for Treating Frontotemporal Dementia. <i>Cell Chemical Biology</i> , 2017, 24, 892-906.e5.	2.5	31
172	The gene for the human putative apoE receptor is on chromosome 12 in the segment q13-q14. <i>Genomics</i> , 1989, 5, 65-69.	1.3	29
173	Abnormal positioning of granule cells alters afferent fiber distribution in the mouse fascia dentata: Morphologic evidence from reeler, apolipoprotein E receptor 2-, and very low density lipoprotein receptor knockout mice. <i>Journal of Comparative Neurology</i> , 2002, 445, 278-292.	0.9	29
174	Lipoprotein receptors in the vascular wall. <i>Current Opinion in Lipidology</i> , 2004, 15, 175-181.	1.2	29
175	Convergent Signaling Pathways Controlled by LRP1 (Receptor-related Protein 1) Cytoplasmic and Extracellular Domains Limit Cellular Cholesterol Accumulation. <i>Journal of Biological Chemistry</i> , 2016, 291, 5116-5127.	1.6	29
176	Role of the postnatal radial glial scaffold for the development of the dentate gyrus as revealed by reelin signaling mutant mice. <i>Glia</i> , 2013, 61, 1347-1363.	2.5	28
177	Cholesterol, hedgehog and embryogenesis. <i>Nature Genetics</i> , 1997, 15, 123-124.	9.4	27
178	Activation of ERK signaling upon alternative protease nexin-1 internalization mediated by syndecan-1. <i>Journal of Cellular Biochemistry</i> , 2006, 99, 936-951.	1.2	26
179	Involvement of the Apoer2 and Lrp1 receptors in mediating the pathological effects of ApoE4 in vivo. <i>Current Alzheimer Research</i> , 2014, 11, 549-557.	0.7	26
180	Differential Signaling by Adaptor Molecules LRP1 and ShcA Regulates Adipogenesis by the Insulin-like Growth Factor-1 Receptor. <i>Journal of Biological Chemistry</i> , 2011, 286, 16775-16782.	1.6	25

#	ARTICLE	IF	CITATIONS
181	NGP 555, a Î³â€secretase modulator, lowers the amyloid biomarker, AÎ²_{42,} in cerebrospinal fluid while preventing Alzheimer's disease cognitive decline in rodents. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2017, 3, 65-73.	1.8	25
182	ApoER2 Function in the Establishment and Maintenance of Retinal Synaptic Connectivity. Journal of Neuroscience, 2011, 31, 14413-14423.	1.7	24
183	Secreted Progranulin Is a Homodimer and Is Not a Component of High Density Lipoproteins (HDL). Journal of Biological Chemistry, 2013, 288, 8627-8635.	1.6	24
184	Gene Targets and Approaches for Raising HDL. Circulation, 1999, 99, 12-14.	1.6	23
185	Interplay of Low-Density Lipoprotein Receptors, LRP6, and Lipoproteins in Pulmonary Hypertension. JACC Basic To Translational Science, 2022, 7, 164-180.	1.9	23
186	The LDL Receptor Gene Family, Apolipoprotein B and Cholesterol in Embryonic Development. Journal of Nutrition, 1999, 129, 473S-475S.	1.3	22
187	Lrp4 Domains Differentially Regulate Limb/Brain Development and Synaptic Plasticity. PLoS ONE, 2015, 10, e0116701.	1.1	21
188	Contribution of the Reelin signaling pathways to nociceptive processing. European Journal of Neuroscience, 2008, 27, 523-537.	1.2	20
189	Endocytosis of Hepatic Lipase and Lipoprotein Lipase into Rat Liver Hepatocytes in Vivo Is Mediated by the Low Density Lipoprotein Receptor-related Protein. Journal of Biological Chemistry, 2004, 279, 9030-9036.	1.6	19
190	Human apolipoprotein E isoforms differentially affect bone mass and turnover in vivo. Journal of Bone and Mineral Research, 2013, 28, 236-245.	3.1	19
191	High-Fat Diet Changes Hippocampal Apolipoprotein E (ApoE) in a Genotype- and Carbohydrate-Dependent Manner in Mice. PLoS ONE, 2016, 11, e0148099.	1.1	19
192	Deconstructing the LDL receptor—a rhapsody in pieces. , 2001, 8, 476-478.		18
193	The apoE receptor apoER2 is involved in the maintenance of efficient synaptic plasticity. Neurobiology of Aging, 2005, 26, 195-206.	1.5	18
194	Loss of Apaf-1 leads to partial rescue of the HAND2-null phenotype. Developmental Biology, 2005, 278, 155-162.	0.9	17
195	The Switch on the RAPPOR's Necklaceâ€ . Molecular Cell, 2006, 23, 451-455.	4.5	17
196	Wnt signaling in the murine diastema. European Journal of Orthodontics, 2012, 34, 518-524.	1.1	17
197	Low-density lipoprotein receptor-related protein-1 dysfunction synergizes with dietary cholesterol to accelerate steatohepatitis progression. Journal of Biological Chemistry, 2018, 293, 9674-9684.	1.6	17
198	39-kDa receptor-associated protein (RAP) facilitates secretion and ligand binding of extracellular region of very-low-density-lipoprotein receptor: implications for a distinct pathway from low-density-lipoprotein receptor. Biochemical Journal, 1999, 341, 377-383.	1.7	16

#	ARTICLE	IF	CITATIONS
199	â€œDevolutionâ€ of bipedality. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, E25.	3.3	16
200	Kinetic Tuning of HDAC Inhibitors Affords Potent Inducers of Progranulin Expression. ACS Chemical Neuroscience, 2019, 10, 3769-3777.	1.7	16
201	Selective Inactivation of Reelin in Inhibitory Interneurons Leads to Subtle Changes in the Dentate Gyrus But Leaves Cortical Layering and Behavior Unaffected. Cerebral Cortex, 2020, 30, 1688-1707.	1.6	16
202	Lrp4/Wise regulates palatal rugae development through Turing-type reaction-diffusion mechanisms. PLoS ONE, 2018, 13, e0204126.	1.1	15
203	Extracting β -amyloid from Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3199-3200.	3.3	14
204	Antiphospholipid Antibodies Attenuate Endothelial Repair and Promote Neointima Formation in Mice. Journal of the American Heart Association, 2014, 3, e001369.	1.6	14
205	Ephrin Bs and canonical Reelin signalling. Nature, 2016, 539, E4-E6.	13.7	14
206	Reelin depletion protects against autoimmune encephalomyelitis by decreasing vascular adhesion of leukocytes. Science Translational Medicine, 2020, 12, .	5.8	14
207	Reelin Depletion Protects Against Atherosclerosis by Decreasing Vascular Adhesion of Leukocytes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 1309-1318.	1.1	14
208	How We Can Rebuild Trust in Scienceâ€”And Why We Must. Angewandte Chemie - International Edition, 2018, 57, 13696-13697.	7.2	13
209	Loss of the adaptor protein ShcA in endothelial cells protects against monocyte macrophage adhesion, LDL-oxidation, and atherosclerotic lesion formation. Scientific Reports, 2018, 8, 4501.	1.6	12
210	Reelin signaling modulates GABA B receptor function in the neocortex. Journal of Neurochemistry, 2021, 156, 589-603.	2.1	12
211	Distal Dendritic Enrichment of HCN1 Channels in Hippocampal CA1 Is Promoted by Estrogen, but Does Not Require Reelin. ENeuro, 2018, 5, ENEURO.0258-18.2018.	0.9	12
212	NHE6 depletion corrects ApoE4-mediated synaptic impairments and reduces amyloid plaque load. ELife, 2021, 10, .	2.8	12
213	Wnt5a Promotes Lysosomal Cholesterol Egress and Protects Against Atherosclerosis. Circulation Research, 2022, 130, 184-199.	2.0	12
214	CD11c ⁺ CD88 ⁺ CD317 ⁺ myeloid cells are critical mediators of persistent CNS autoimmunity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	11
215	Reelin changes hippocampal learning in aging and Alzheimerâ€™s disease. Behavioural Brain Research, 2021, 414, 113482.	1.2	11
216	Generation and Characterization of an Nse-CreERT2 Transgenic Line Suitable for Inducible Gene Manipulation in Cerebellar Granule Cells. PLoS ONE, 2014, 9, e100384.	1.1	10

#	ARTICLE	IF	CITATIONS
217	Protein Phosphatase 2A Activation Via ApoER2 in Trophoblasts Drives Preeclampsia in a Mouse Model of the Antiphospholipid Syndrome. <i>Circulation Research</i> , 2021, 129, 735-750.	2.0	10
218	Plasmodium sporozoites invade cells with targeted deletions in the LDL receptor related protein. <i>Molecular and Biochemical Parasitology</i> , 2000, 106, 293-298.	0.5	8
219	Is Apolipoprotein E Required for Cognitive Function in Humans?. <i>JAMA Neurology</i> , 2014, 71, 1213.	4.5	8
220	Sodium-hydrogen exchanger 6 (NHE6) deficiency leads to hearing loss, via reduced endosomal signalling through the BDNF/Trk pathway. <i>Scientific Reports</i> , 2020, 10, 3609.	1.6	8
221	Apolipoprotein E receptor 2 deficiency decreases endothelial adhesion of monocytes and protects against autoimmune encephalomyelitis. <i>Science Immunology</i> , 2021, 6, .	5.6	8
222	Overview: The Long and Winding Road to Understanding Alzheimer's Disease. <i>Neuron</i> , 2007, 53, 477-479.	3.8	7
223	Physiologic Reelin does not play a strong role in protection against acute stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1295-1303.	2.4	7
224	Reelin restricts dendritic growth of interneurons in the neocortex. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	7
225	FE65 and FE65L1 amyloid precursor protein-binding protein compound null mice display adult-onset cataract and muscle weakness. <i>FASEB Journal</i> , 2015, 29, 2628-2639.	0.2	6
226	Splicing therapeutics for Alzheimer's disease. <i>EMBO Molecular Medicine</i> , 2016, 8, 308-310.	3.3	6
227	Mouse models as tools for dissecting disorders of lipoprotein metabolism. <i>Seminars in Cell and Developmental Biology</i> , 2003, 14, 25-35.	2.3	5
228	Putative apolipoprotein receptor gene (LRP, A2MR) is not rearranged in either myxoid liposarcoma or lipomas with translocations in 12q13-q14. <i>Cancer Genetics and Cytogenetics</i> , 1992, 60, 125-130.	1.0	4
229	Reelin regulates neuronal excitability through STriatal Enriched Protein Tyrosine phosphatase (STEP61) and Calcium Permeable AMPARs in an NMDAR-dependent manner. <i>Journal of Neuroscience</i> , 2021, 41, JN-RM-0388-21.	1.7	4
230	Building a better blood-brain barrier. <i>ELife</i> , 2017, 6, .	2.8	3
231	NGP 555, a secretase modulator, shows a beneficial shift in the ratio of amyloid biomarkers in human cerebrospinal fluid at safe doses. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019, 5, 458-467.	1.8	3
232	Biolistic transfection and expression analysis of acute cortical slices. <i>Journal of Neuroscience Methods</i> , 2020, 337, 108666.	1.3	2
233	Gene transfer and disruption strategies to elucidate hepatic lipoprotein receptor functions. <i>Atherosclerosis</i> , 1995, 118, S37-S41.	0.4	1
234	Antiphospholipid Antibodies Promote Leukocyte-Endothelial Cell Adhesion by Antagonizing Endothelial NO Synthase Via b2GPI and ApoER2.. <i>Blood</i> , 2009, 114, 3039-3039.	0.6	0