Hongyuan Yang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6454669/publications.pdf

Version: 2024-02-01

117 papers	8,653 citations	38742 50 h-index	48315 88 g-index
120 all docs	120 docs citations	120 times ranked	9042 citing authors

#	Article	IF	Citations
1	Hepatic CDP-diacylglycerol synthase 2 deficiency causes mitochondrial dysfunction and promotes rapid progression of NASH and fibrosis. Science Bulletin, 2022, 67, 299-314.	9.0	8
2	Idol Depletion Protects against Spontaneous Atherosclerosis in a Hamster Model of Familial Hypercholesterolemia. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-14.	4.0	3
3	Elevated HBâ€EGF expression in neural stem cells causes middle age obesity by suppressing Hypocretin/Orexin expression. FASEB Journal, 2021, 35, e21345.	0.5	2
4	A structure of human Scap bound to Insig-2 suggests how their interaction is regulated by sterols. Science, 2021, 371, .	12.6	44
5	Seipin accumulates and traps diacylglycerols and triglycerides in its ring-like structure. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	52
6	TMEM41B and VMP1 are scramblases and regulate the distribution of cholesterol and phosphatidylserine. Journal of Cell Biology, 2021, 220, .	5.2	100
7	TMEM41B and VMP1 are phospholipid scramblases. Autophagy, 2021, 17, 2048-2050.	9.1	18
8	Retinyl esters form lipid droplets independently of triacylglycerol and seipin. Journal of Cell Biology, 2021, 220, .	5.2	22
9	Structure and function of lipid droplets. , 2021, , 357-394.		0
10	Seipin regulates the formation of nuclear lipid droplets from a distance. Journal of Cell Biology, 2021, 220, .	5.2	3
11	AGPAT2 interaction with CDP-diacylglycerol synthases promotes the flux of fatty acids through the CDP-diacylglycerol pathway. Nature Communications, 2021, 12, 6877.	12.8	17
12	GPAT3 deficiency alleviates insulin resistance and hepatic steatosis in a mouse model of severe congenital generalized lipodystrophy. Human Molecular Genetics, 2020, 29, 432-443.	2.9	47
13	Mechanisms and regulation ofÂcholesterol homeostasis. Nature Reviews Molecular Cell Biology, 2020, 21, 225-245.	37.0	899
14	ORP1L, ORP1S, and ORP2: Lipid Sensors and Transporters. Contact (Thousand Oaks (Ventura County,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.3	2
15	ORP5 localizes to ERâ€“lipid droplet contacts and regulates the level of PI(4)P on lipid droplets. Journal of Cell Biology, 2020, 219, .	5.2	75
16	Structural basis for catalysis and substrate specificity of human ACAT1. Nature, 2020, 581, 333-338.	27.8	66
17	Structural Basis of Low-pH-Dependent Lysosomal Cholesterol Egress by NPC1 and NPC2. Cell, 2020, 182, 98-111.e18.	28.9	107
18	ApoC2 deficiency elicits severe hypertriglyceridemia and spontaneous atherosclerosis: A rodent model rescued from neonatal death. Metabolism: Clinical and Experimental, 2020, 109, 154296.	3.4	16

#	Article	IF	Citations
19	TMAVA, a Metabolite of Intestinal Microbes, Is Increased in Plasma From Patients With Liver Steatosis, Inhibits Î³-Butyrobetaine Hydroxylase, and Exacerbates Fatty Liver in Mice. Gastroenterology, 2020, 158, 2266-2281.e27.	1.3	87
20	Smooth muscle SIRT1 reprograms endothelial cells to suppress angiogenesis after ischemia. Theranostics, 2020, 10, 1197-1212.	10.0	48
21	Triacylglycerol Measurement in HeLa Cells. Bio-protocol, 2020, 10, e3852.	0.4	1
22	DFCP1 associates with lipid droplets. Cell Biology International, 2019, 43, 1492-1504.	3.0	21
23	Extended synaptotagmins, peroxisome-endoplasmic reticulum contact and cholesterol transport. Science China Life Sciences, 2019, 62, 1266-1269.	4.9	4
24	The biogenesis of lipid droplets: Lipids take center stage. Progress in Lipid Research, 2019, 75, 100989.	11.6	104
25	Enhanced acyl-CoA:cholesterol acyltransferase activity increases cholesterol levels on the lipid droplet surface and impairs adipocyte function. Journal of Biological Chemistry, 2019, 294, 19306-19321.	3.4	32
26	CDP-DAG synthase 1 and 2 regulate lipid droplet growth through distinct mechanisms. Journal of Biological Chemistry, 2019, 294, 16740-16755.	3.4	20
27	Allosteric enhancement of ORP1-mediated cholesterol transport by PI(4,5)P2/PI(3,4)P2. Nature Communications, 2019, 10, 829.	12.8	73
28	Surgical fat removal exacerbates metabolic disorders but not atherogenesis in LDLRâˆ’/âˆ’ mice fed on high-fat diet. Scientific Reports, 2019, 9, 17848.	3.3	5
29	ORP2 Delivers Cholesterol to the Plasma Membrane in Exchange for Phosphatidylinositol 4, 5-Bisphosphate (PI(4,5)P2). Molecular Cell, 2019, 73, 458-473.e7.	9.7	143
30	Intracellular Cholesterol Transport by Sterol Transfer Proteins at Membrane Contact Sites. Trends in Biochemical Sciences, 2019, 44, 273-292.	7.5	109
31	Identification of gene products that control lipid droplet size in yeast using a high-throughput quantitative image analysis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 113-127.	2.4	10
32	Oxysterol-binding proteinâ€“related protein 5 (ORP5) promotes cell proliferation by activation of mTORC1 signaling. Journal of Biological Chemistry, 2018, 293, 3806-3818.	3.4	24
33	Rab18 promotes lipid droplet (LD) growth by tethering the ER to LDs through SNARE and NRZ interactions. Journal of Cell Biology, 2018, 217, 975-995.	5.2	164
34	The role of oxysterol-binding protein and its related proteins in cancer. Seminars in Cell and Developmental Biology, 2018, 81, 149-153.	5.0	32
35	Human SEIPIN Binds Anionic Phospholipids. Developmental Cell, 2018, 47, 248-256.e4.	7.0	159
36	VPS13: A lipid transfer protein making contacts at multiple cellular locations. Journal of Cell Biology, 2018, 217, 3322-3324.	5.2	17

#	Article	IF	Citations
37	CRISPR/Cas9-Mediated Generation of Niemannâ€“Pick C1 Knockout Cell Line. Methods in Molecular Biology, 2017, 1583, 73-83.	0.9	11
38	Routes and mechanisms of postâ€endosomal cholesterol trafficking: A story that never ends. Traffic, 2017, 18, 209-217.	2.7	91
39	ORP5 and ORP8 bind phosphatidylinositol-4, 5-biphosphate (PtdIns(4,5)P 2) and regulate its level at the plasma membrane. Nature Communications, 2017, 8, 757.	12.8	150
40	Integrative analyses of translatome and transcriptome reveal important translational controls in brown and white adipose regulated by microRNAs. Scientific Reports, 2017, 7, 5681.	3.3	10
41	Lipid droplet growth and adipocyte development: mechanistically distinct processes connected by phospholipids. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 1273-1283.	2.4	25
42	Dynamic transcriptome changes during adipose tissue energy expenditure reveal critical roles for long noncoding RNA regulators. PLoS Biology, 2017, 15, e2002176.	5.6	81
43	SEIPIN Regulates Lipid Droplet Expansion and Adipocyte Development by Modulating the Activity of Glycerol-3-phosphate Acyltransferase. Cell Reports, 2016, 17, 1546-1559.	6.4	148
44	The expression of SEIPIN in the mouse central nervous system. Brain Structure and Function, 2016, 221, 4111-4127.	2.3	8
45	CDP-diacylglycerol synthases regulate the growth of lipid droplets and adipocyte development. Journal of Lipid Research, 2016, 57, 767-780.	4.2	41
46	Adipose tissue deficiency results in severe hyperlipidemia and atherosclerosis in the low-density lipoprotein receptor knockout mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 410-418.	2.4	20
47	Akt activation increases cellular cholesterol by promoting the proteasomal degradation of Niemannâ€“Pick C1. Biochemical Journal, 2015, 471, 243-253.	3.7	14
48	Insulin resistance and white adipose tissue inflammation are uncoupled in energetically challenged Fsp27-deficient mice. Nature Communications, 2015, 6, 5949.	12.8	87
49	Functional characterization of two single nucleotide polymorphisms of acyl-coenzyme A:cholesterol acyltransferase 2. Gene, 2015, 566, 236-241.	2.2	1
50	Novel mechanisms of intracellular cholesterol transport: oxysterol-binding proteins and membrane contact sites. Current Opinion in Cell Biology, 2015, 35, 37-42.	5.4	49
51	Cholesterol Transport through Lysosome-Peroxisome Membrane Contacts. Cell, 2015, 161, 291-306.	28.9	314
52	Adipose-Specific Knockout of Seipin/Bscl2 Results in Progressive Lipodystrophy. Diabetes, 2014, 63, 2320-2331.	0.6	84
53	Lack of testicular seipin causes teratozoospermia syndrome in men. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7054-7059.	7.1	63
54	Rab8a-AS160-MSS4 Regulatory Circuit Controls Lipid Droplet Fusion and Growth. Developmental Cell, 2014, 30, 378-393.	7.0	98

#	Article	IF	Citations
55	Association of CETP Taq1B and -629Câ€‰>â€‰A polymorphisms with coronary artery disease and lipid levels in the multi-ethnic Singaporean population. Lipids in Health and Disease, 2013, 12, 85.	3.0	31
56	Preface. Methods in Cell Biology, 2013, 116, xiii.	1.1	0
57	Endosomal cholesterol trafficking: protein factors at a glance. Acta Biochimica Et Biophysica Sinica, 2013, 45, 11-17.	2.0	19
58	The <scp>AAA ATPase VPS4</scp>/<scp>SKD1</scp> Regulates Endosomal Cholesterol Trafficking Independently of <scp>ESCRTâ€III</scp>. Traffic, 2013, 14, 107-119.	2.7	27
59	Perilipin1 promotes unilocular lipid droplet formation through the activation of Fsp27 in adipocytes. Nature Communications, 2013, 4, 1594.	12.8	200
60	Structure of Osh3 Reveals a Conserved Mode of Phosphoinositide Binding in Oxysterol-Binding Proteins. Structure, 2013, 21, 1203-1213.	3.3	111
61	Maintenance of Mitochondrial Morphology by Autophagy and Its Role in High Glucose Effects on Chronological Lifespan ofSaccharomyces cerevisiae. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-13.	4.0	14
62	Identification of the major functional proteins of prokaryotic lipid droplets. Journal of Lipid Research, 2012, 53, 399-411.	4.2	103
63	Overexpression of a short human seipin/BSCL2 isoform in mouse adipose tissue results in mild lipodystrophy. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E705-E713.	3.5	31
64	Lipid Raft-dependent Endocytosis of Close Homolog of Adhesion Molecule L1 (CHL1) Promotes Neuritogenesis. Journal of Biological Chemistry, 2012, 287, 44447-44463.	3.4	28
65	Controlling the size of lipid droplets: lipid and protein factors. Current Opinion in Cell Biology, 2012, 24, 509-516.	5.4	161
66	An Essential Role of Hrs/Vps27 in Endosomal Cholesterol Trafficking. Cell Reports, 2012, 1, 29-35.	6.4	45
67	Accumulation of squalene is associated with the clustering of lipid droplets. FEBS Journal, 2012, 279, 4231-4244.	4.7	43
68	Genome-Wide Screens for Gene Products Regulating Lipid Droplet Dynamics. Methods in Cell Biology, 2012, 108, 303-316.	1.1	9
69	Seipin ablation in mice results in severe generalized lipodystrophy. Human Molecular Genetics, 2011, 20, 3022-3030.	2.9	152
70	The size and phospholipid composition of lipid droplets can influence their proteome. Biochemical and Biophysical Research Communications, 2011, 415, 455-462.	2.1	43
71	Seipin, adipogenesis and lipid droplets. Trends in Endocrinology and Metabolism, 2011, 22, 204-210.	7.1	90
72	Changes in reactive oxygen species begin early during replicative aging of Saccharomyces cerevisiae cells. Free Radical Biology and Medicine, 2011, 50, 963-970.	2.9	50

#	ARTICLE	IF	CITATIONS
73	Sterol-binding proteins and endosomal cholesterol transport. Frontiers in Biology, 2011, 6, 190.	0.7	1
74	A role for oxysterol-binding proteinâ€“related protein 5 in endosomal cholesterol trafficking. Journal of Cell Biology, 2011, 192, 121-135.	5.2	270
75	Molecular characterization of seipin and its mutants: implications for seipin in triacylglycerol synthesis. Journal of Lipid Research, 2011, 52, 2136-2147.	4.2	77
76	A Role for Phosphatidic Acid in the Formation of â€œSupersizedâ€•Lipid Droplets. PLoS Genetics, 2011, 7, e1002201.	3.5	290
77	Fsp27 promotes lipid droplet growth by lipid exchange and transfer at lipid droplet contact sites. Journal of Cell Biology, 2011, 195, 953-963.	5.2	273
78	Tissue-Autonomous Function of Drosophila Seipin in Preventing Ectopic Lipid Droplet Formation. PLoS Genetics, 2011, 7, e1001364.	3.5	121
79	Characterization of Substrate Preference for Slc1p and Cst26p in Saccharomyces cerevisiae Using Lipidomic Approaches and an LPAAT Activity Assay. PLoS ONE, 2010, 5, e11956.	2.5	34
80	Toward one step analysis of cellular lipidomes using liquid chromatography coupled with mass spectrometry: application to Saccharomyces cerevisiae and Schizosaccharomyces pombe lipidomics. Molecular BioSystems, 2010, 6, 1008.	2.9	111
81	Conditions of endoplasmic reticulum stress stimulate lipid droplet formation in Saccharomyces cerevisiae. Biochemical Journal, 2009, 424, 61-67.	3.7	156
82	Programmed cell death in fission yeast Schizosaccharomyces pombe. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 1335-1349.	4.1	23
83	Different kinetics of cholesterol delivery to components of the cholesterol homeostatic machinery: Implications for cholesterol trafficking to the endoplasmic reticulum. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2008, 1781, 724-730.	2.4	34
84	Genome-Wide Analysis of Sterol-Lipid Storage and Trafficking in Saccharomyces cerevisiae. Eukaryotic Cell, 2008, 7, 401-414.	3.4	50
85	Caspase-dependent and -independent lipotoxic cell-death pathways in fission yeast. Journal of Cell Science, 2008, 121, 2671-2684.	2.0	39
86	Fld1p, a functional homologue of human seipin, regulates the size of lipid droplets in yeast. Journal of Cell Biology, 2008, 180, 473-482.	5.2	411
87	Up-Regulation of Mitochondrial Activity and Acquirement of Brown Adipose Tissue-Like Property in the White Adipose Tissue of Fsp27 Deficient Mice. PLoS ONE, 2008, 3, e2890.	2.5	223
88	Monitoring of immune responses to a herbal immuno-modulator in patients with advanced colorectal cancer. International Immunopharmacology, 2006, 6, 499-508.	3.8	105
89	Nonvesicular sterol transport: two protein families and a sterol sensor?. Trends in Cell Biology, 2006, 16, 427-432.	7.9	34
90	Topotecan Is a Substrate for Multidrug Resistance Associated Protein 4. Current Drug Metabolism, 2006, 7, 105-118.	1.2	75

#	Article	IF	Citations
91	A Mechanistic Study of the Intestinal Absorption of Cryptotanshinone, the Major Active Constituent ofSalvia miltiorrhiza. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 1285-1294.	2.5	86
92	Apoptosis and lipoapoptosis in the fission yeast. FEMS Yeast Research, 2005, 5, 1199-1206.	2.3	34
93	High doses of simvastatin upregulate dopamine D1 and D2 receptor expression in the rat prefrontal cortex: possible involvement of endothelial nitric oxide synthase. British Journal of Pharmacology, 2005, 144, 933-939.	5.4	38
94	AAA ATPases regulate membrane association of yeast oxysterol binding proteins and sterol metabolism. EMBO Journal, 2005, 24, 2989-2999.	7.8	57
95	Molecular characterization of Osh6p, an oxysterol binding protein homolog in the yeast Saccharomyces cerevisiae. FEBS Journal, 2005, 272, 4703-4715.	4.7	33
96	The last five amino acid residues at the C-terminus of PRK1/PKN is essential for full lipid responsiveness. Cellular Signalling, 2005, 17, 1084-1097.	3.6	12
97	Acyl-CoA: cholesterol acyltransferase-2 gene polymorphisms and their association with plasma lipids and coronary artery disease risks. Human Genetics, 2005, 118, 393-403.	3.8	11
98	St. Johnâ€™s Wort Modulates the Toxicities and Pharmacokinetics of CPT-11 (Irinotecan) in Rats. Pharmaceutical Research, 2005, 22, 902-914.	3.5	40
99	Human Multidrug Resistance Associated Protein 4 Confers Resistance to Camptothecins. Pharmaceutical Research, 2005, 22, 1837-1853.	3.5	127
100	Prediction of herb-drug metabolic interactions: a simulation study. Phytotherapy Research, 2005, 19, 464-471.	5.8	19
101	Antitumor Activity and Underlying Mechanisms of Ganopoly, The Refined Polysaccharides Extracted from Ganoderma Lucidum, in Mice. Immunological Investigations, 2005, 34, 171-198.	2.0	51
102	Antitumor Activity and Underlying Mechanisms of Ganopoly, The Refined Polysaccharides Extracted fromGanoderma Lucidum, in Mice. Immunological Investigations, 2005, 34, 171-198.	2.0	68
103	Human Multidrug Resistance Associated Protein 4 Confers Resistance to Camptothecins. Pharmaceutical Research, 2005, 22, 1837.	3.5	6
104	Cysteine Starvation Activates the Redox-Dependent Mitochondrial Permeability Transition in Retinal Pigment Epithelial Cells. , 2004, 45, 4183.		45
105	Cytochrome bc1 Regulates the Mitochondrial Permeability Transition by Two Distinct Pathways. Journal of Biological Chemistry, 2004, 279, 50420-50428.	3.4	47
106	Ncr1p, the Yeast Ortholog of Mammalian Niemann Pick C1 Protein, is Dispensable for Endocytic Transport. Traffic, 2004, 5, 1017-1030.	2.7	31
107	The redox regulation of intermediary metabolism by a superoxide-aconitase rheostat. BioEssays, 2004, 26, 894-900.	2.5	55
108	Molecular cloning and biochemical characterization of Candida albicans acyl-CoA:sterol acyltransferase, a potential target of antifungal agents. Biochemical and Biophysical Research Communications, 2004, 319, 911-919.	2.1	13

#	ARTICLE	IF	CITATIONS
109	ABCA1 gene polymorphisms and their associations with coronary artery disease and plasma lipids in males from three ethnic populations in Singapore. Human Genetics, 2003, 113, 106-117.	3.8	53
110	Sulphite oxidase gene expression in human brain and in other human and rat tissues. Biochemical and Biophysical Research Communications, 2003, 305, 619-623.	2.1	35
111	Vps20p and Vta1p interact with Vps4p and function in multivesicular body sorting and endosomal transport in Saccharomyces cerevisiae. Journal of Cell Science, 2003, 116, 3957-3970.	2.0	101
112	Schizosaccharomyces pombe Cells Deficient in Triacylglycerols Synthesis Undergo Apoptosis upon Entry into the Stationary Phase. Journal of Biological Chemistry, 2003, 278, 47145-47155.	3.4	116
113	Identification of two proteins, S14 and UIP1, that interact with UCH37. FEBS Letters, 2001, 488, 201-205.	2.8	23
114	Identification of a 26S Proteasome-Associated UCH in Fission Yeast. Biochemical and Biophysical Research Communications, 2000, 272, 270-275.	2.1	64
115	Translocation Efficiency, Susceptibility to Proteasomal Degradation, and Lipid Responsiveness of Apolipoprotein B Are Determined by the Presence of Î² Sheet Domains. Journal of Biological Chemistry, 1998, 273, 35216-35221.	3.4	41
116	Functional Expression of a cDNA to Human Acyl-coenzyme A:Cholesterol Acyltransferase in Yeast. Journal of Biological Chemistry, 1997, 272, 3980-3985.	3.4	56
117	Positive and negative regulation of a sterol biosynthetic gene (ERG3) in the post-squalene portion of the yeast ergosterol pathway. FEBS Letters, 1996, 392, 161-165.	2.8	75