

Amnon Schlegel

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39
papers

3,319
citations

22
h-index

45
g-index

45
ext. papers

3,533
ext. citations

6.7
avg, IF

5.03
L-index

#	Paper	IF	Citations
39	Caveolins, a family of scaffolding proteins for organizing "preassembled signaling complexes" at the plasma membrane. <i>Journal of Biological Chemistry</i> , 1998 , 273, 5419-22	5.4	1213
38	Crowded little caves: structure and function of caveolae. <i>Cellular Signalling</i> , 1998 , 10, 457-63	4.9	159
37	A molecular dissection of caveolin-1 membrane attachment and oligomerization. Two separate regions of the caveolin-1 C-terminal domain mediate membrane binding and oligomer/oligomer interactions in vivo. <i>Journal of Biological Chemistry</i> , 2000 , 275, 21605-17	5.4	154
36	Expression of caveolin-1 and -2 in differentiating PC12 cells and dorsal root ganglion neurons: caveolin-2 is up-regulated in response to cell injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 10257-62	11.5	149
35	Caveolae, plasma membrane microdomains for alpha-secretase-mediated processing of the amyloid precursor protein. <i>Journal of Biological Chemistry</i> , 1998 , 273, 10485-95	5.4	125
34	Loss of Dnmt1 catalytic activity reveals multiple roles for DNA methylation during pancreas development and regeneration. <i>Developmental Biology</i> , 2009 , 334, 213-23	3.1	122
33	Caveolin-1 potentiates estrogen receptor alpha (ERalpha) signaling. caveolin-1 drives ligand-independent nuclear translocation and activation of ERalpha. <i>Journal of Biological Chemistry</i> , 1999 , 274, 33551-6	5.4	122
32	Lessons from "lower" organisms: what worms, flies, and zebrafish can teach us about human energy metabolism. <i>PLoS Genetics</i> , 2007 , 3, e199	6	121
31	Microsomal triglyceride transfer protein is required for yolk lipid utilization and absorption of dietary lipids in zebrafish larvae. <i>Biochemistry</i> , 2006 , 45, 15179-87	3.2	120
30	A role for the caveolin scaffolding domain in mediating the membrane attachment of caveolin-1. The caveolin scaffolding domain is both necessary and sufficient for membrane binding in vitro. <i>Journal of Biological Chemistry</i> , 1999 , 274, 22660-7	5.4	117
29	The cyclin D1 gene is transcriptionally repressed by caveolin-1. <i>Journal of Biological Chemistry</i> , 2000 , 275, 21203-9	5.4	111
28	Caveolin-1, a putative tumour suppressor gene. <i>Biochemical Society Transactions</i> , 2001 , 29, 494-9	5.1	108
27	Specialized insulin is used for chemical warfare by fish-hunting cone snails. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1743-8	11.5	97
26	Caveolin-1 binding to endoplasmic reticulum membranes and entry into the regulated secretory pathway are regulated by serine phosphorylation. Protein sorting at the level of the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 2001 , 276, 4398-408	5.4	95
25	A monocarboxylate transporter required for hepatocyte secretion of ketone bodies during fasting. <i>Genes and Development</i> , 2012 , 26, 282-93	12.6	86
24	Caveolin proteins in signaling, oncogenic transformation and muscular dystrophy. <i>Journal of Cell Science</i> , 2000 , 113, 2103-2109	5.3	82
23	The caveolin triad: caveolae biogenesis, cholesterol trafficking, and signal transduction. <i>Cytokine and Growth Factor Reviews</i> , 2001 , 12, 41-51	17.9	75

22	Metabolic insights from zebrafish genetics, physiology, and chemical biology. <i>Cellular and Molecular Life Sciences</i> , 2015 , 72, 2249-60	10.3	50
21	Studying non-alcoholic fatty liver disease with zebrafish: a confluence of optics, genetics, and physiology. <i>Cellular and Molecular Life Sciences</i> , 2012 , 69, 3953-61	10.3	40
20	Lxr-driven enterocyte lipid droplet formation delays transport of ingested lipids. <i>Journal of Lipid Research</i> , 2014 , 55, 1944-58	6.3	38
19	Fish-hunting cone snail venoms are a rich source of minimized ligands of the vertebrate insulin receptor. <i>ELife</i> , 2019 , 8,	8.9	26
18	FOXN3 Regulates Hepatic Glucose Utilization. <i>Cell Reports</i> , 2016 , 15, 2745-55	10.6	24
17	Zebrafish Models for Dyslipidemia and Atherosclerosis Research. <i>Frontiers in Endocrinology</i> , 2016 , 7, 1595-7		21
16	Polyunsaturated fatty acyl-coenzyme As are inhibitors of cholesterol biosynthesis in zebrafish and mice. <i>DMM Disease Models and Mechanisms</i> , 2013 , 6, 1365-77	4.1	13
15	A genetic screen for zebrafish mutants with hepatic steatosis identifies a locus required for larval growth. <i>Journal of Anatomy</i> , 2017 , 230, 407-413	2.9	8
14	Prenatal Exposure to a Maternal High Fat Diet Increases Hepatic Cholesterol Accumulation in Intrauterine Growth Restricted Rats in Part Through MicroRNA-122 Inhibition of Cyp7a1. <i>Frontiers in Physiology</i> , 2018 , 9, 645	4.6	8
13	Role of Intestinal LXR α in Regulating Post-prandial Lipid Excursion and Diet-Induced Hypercholesterolemia and Hepatic Lipid Accumulation. <i>Frontiers in Physiology</i> , 2017 , 8, 280	4.6	8
12	A Hepatocyte FOXN3- β Cell Glucagon Axis Regulates Fasting Glucose. <i>Cell Reports</i> , 2018 , 24, 312-319	10.6	6
11	Glucagon blockade restores functional β cell mass in type 1 diabetic mice and enhances function of human islets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
10	Factitious granulomatous hepatitis?. <i>American Journal of Medicine</i> , 2004 , 116, 500-1	2.4	4
9	A Genetic Model to Study Increased Hexosamine Biosynthetic Flux. <i>Endocrinology</i> , 2017 , 158, 2420-2426	4.8	3
8	The Monocarboxylate Transporter SLC16A6 Regulates Adult Length in Zebrafish and Is Associated With Height in Humans. <i>Frontiers in Physiology</i> , 2018 , 9, 1936	4.6	3
7	Studying lipoprotein trafficking in zebrafish, the case of chylomicron retention disease. <i>Journal of Molecular Medicine</i> , 2015 , 93, 115-8	5.5	3
6	Metyrapone stimulation test to diagnose central adrenal insufficiency. <i>Lancet Diabetes and Endocrinology</i> , 2015 , 3, 407	18.1	1
5	FOXN3 controls liver glucose metabolism by regulating gluconeogenic substrate selection. <i>Physiological Reports</i> , 2019 , 7, e14238	2.6	1

- 4 FOXN3 hyperglycemic risk allele and insulin sensitivity in humans. *BMJ Open Diabetes Research and Care*, **2019**, 7, e000688 4.5 1
- 3 25-year follow-up of a case of giant cell aortitis. *American Journal of Medicine*, **2004**, 117, 625 2.4
- 2 The dry pipeline of antiarrhythmic therapies. *Annals of Internal Medicine*, **2005**, 142, 871 8
- 1 Skull base lymphoma with panhypopituitarism. *Lancet Oncology, The*, **2020**, 21, e405 21.7