Alan D Attie

List of Publications by Year
in descending order

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74 papers	5,290 citations	136950 32 h-index	91884 69 g-index
80 all docs	80 docs citations	80 times ranked	9335 citing authors

#	Article	IF	Citations
1	Î²3-Adrenergic receptor downregulation leads to adipocyte catecholamine resistance in obesity. Journal of Clinical Investigation, 2022, 132, .	8.2	42
2	Coding variants identified in patients with diabetes alter PICK1 BAR domain function in insulin granule biogenesis. Journal of Clinical Investigation, 2022, 132, .	8.2	5
3	Î² Cellâ€“specific deletion of Zfp148 improves nutrient-stimulated Î² cell Ca2+ responses. JCI Insight, 2022, 7, .	5.0	4
4	Sorting through the extensive and confusing roles of sortilin in metabolic disease. Journal of Lipid Research, 2022, 63, 100243.	4.2	19
5	Reversal of hypertriglyceridemia in diabetic BTBR ob/ob mice does not prevent nephropathy. Laboratory Investigation, 2021, 101, 935-941.	3.7	8
6	INFIMA leverages multi-omics model organism data to identify effector genes of human GWAS variants. Genome Biology, 2021, 22, 241.	8.8	3
7	Application of 2D IR Bioimaging: Hyperspectral Images of Formalin-Fixed Pancreatic Tissues and Observation of Slow Protein Degradation. Journal of Physical Chemistry B, 2021, 125, 9517-9525.	2.6	4
8	Identification of direct transcriptional targets of NFATC2 that promote Î² cell proliferation. Journal of Clinical Investigation, 2021, 131, .	8.2	15
9	Identification of sample mix-ups and mixtures in microbiome data in Diversity Outbred mice. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	2
10	Recruiting a transcription factor in the liver to prevent atherosclerosis. Journal of Clinical Investigation, 2021, 131, .	8.2	3
11	From methylene bridged diindole to carbonyl linked benzimidazoleindole: Development of potent and metabolically stable PCSK9 modulators. European Journal of Medicinal Chemistry, 2020, 206, 112678.	5.5	6
12	A large-scale genomeâ€“lipid association map guides lipid identification. Nature Metabolism, 2020, 2, 1149-1162.	11.9	43
13	FAM13A affects body fat distribution and adipocyte function. Nature Communications, 2020, 11, 1465.	12.8	36
14	Secretion of Recombinant Interleukin-22 by Engineered Lactobacillus reuteri Reduces Fatty Liver Disease in a Mouse Model of Diet-Induced Obesity. MSphere, 2020, 5, .	2.9	23
15	Introduction to the Thematic Review Series: Adipose Biology. Journal of Lipid Research, 2019, 60, 1646-1647.	4.2	2
16	Pptc7 is an essential phosphatase for promoting mammalian mitochondrial metabolism and biogenesis. Nature Communications, 2019, 10, 3197.	12.8	45
17	Genetic determinants of gut microbiota composition and bile acid profiles in mice. PLoS Genetics, 2019, 15, e1008073.	3.5	75
18	Exploiting Prophage-Mediated Lysis for Biotherapeutic Release by Lactobacillus reuteri. Applied and Environmental Microbiology, 2019, 85, .	3.1	17

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19	Dietary Fructose and Microbiota-Derived Short-Chain Fatty Acids Promote Bacteriophage Production in the Gut Symbiont Lactobacillus reuteri. Cell Host and Microbe, 2019, 25, 273-284.e6.	11.0	126
20	Gene loci associated with insulin secretion in islets from nondiabetic mice. Journal of Clinical Investigation, 2019, 129, 4419-4432.	8.2	60
21	Islet proteomics reveals genetic variation in dopamine production resulting in altered insulin secretion. Journal of Biological Chemistry, 2018, 293, 5860-5877.	3.4	43
22	Perilipin 5 and liver fatty acid binding protein function to restore quiescence in mouse hepatic stellate cells. Journal of Lipid Research, 2018, 59, 416-428.	4.2	16
23	Genetic Drivers of Pancreatic Islet Function. Genetics, 2018, 209, 335-356.	2.9	54
24	Intracellular lipid metabolism impairs Î² cell compensation during diet-induced obesity. Journal of Clinical Investigation, 2018, 128, 1178-1189.	8.2	33
25	Increased transport of acetylâ€CoA into the endoplasmic reticulum causes a progeriaâ€like phenotype. Aging Cell, 2018, 17, e12820.	6.7	38
26	Hunk, a Serine/Threonine Protein Kinase, Regulates Insulin Secretion from Pancreatic Islets. FASEB Journal, 2018, 32, 670.15.	0.5	0
27	Host Genotype and Gut Microbiome Modulate Insulin Secretion and Diet-Induced Metabolic Phenotypes. Cell Reports, 2017, 18, 1739-1750.	6.4	143
28	BAIAP3, a C2 domainâ€“containing Munc13 protein, controls the fate of dense-core vesicles in neuroendocrine cells. Journal of Cell Biology, 2017, 216, 2151-2166.	5.2	45
29	Statistical Methods for Latent Class Quantitative Trait Loci Mapping. Genetics, 2017, 206, 1309-1317.	2.9	0
30	How mice are indispensable for understanding obesity and diabetes genetics. Current Opinion in Endocrinology, Diabetes and Obesity, 2017, 24, 83-91.	2.3	29
31	Targeted Mass Spectrometry Approach Enabled Discovery of O-Glycosylated Insulin and Related Signaling Peptides in Mouse and Human Pancreatic Islets. Analytical Chemistry, 2017, 89, 9184-9191.	6.5	34
32	The Transcription Factor Nfatc2 Regulates Î²-Cell Proliferation and Genes Associated with Type 2 Diabetes in Mouse and Human Islets. PLoS Genetics, 2016, 12, e1006466.	3.5	40
33	The Mouse Universal Genotyping Array: From Substrains to Subspecies. G3: Genes, Genomes, Genetics, 2016, 6, 263-279.	1.8	199
34	Unexpected partial correction of metabolic and behavioral phenotypes of Alzheimerâ€™s APP/PSEN1 mice by gene targeting of diabetes/Alzheimerâ€™s-related Sorcs1. Acta Neuropathologica Communications, 2016, 4, 16.	5.2	24
35	The Dissection of Expression Quantitative Trait Locus Hotspots. Genetics, 2016, 202, 1563-1574.	2.9	29
36	Nat1 Deficiency Is Associated with Mitochondrial Dysfunction and Exercise Intolerance in Mice. Cell Reports, 2016, 17, 527-540.	6.4	35

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37	Diet-Microbiota Interactions Mediate Global Epigenetic Programming in Multiple Host Tissues. Molecular Cell, 2016, 64, 982-992.	9.7	405
38	NeuCode Proteomics Reveals Bap1 Regulation of Metabolism. Cell Reports, 2016, 16, 583-595.	6.4	57
39	Histone chaperone ASF1B promotes humanÎ²-cell proliferation via recruitment of histone H3.3. Cell Cycle, 2016, 15, 3191-3202.	2.6	34
40	Genetic Architectures of Quantitative Variation in RNA Editing Pathways. Genetics, 2016, 202, 787-798.	2.9	25
41	Identification and Correction of Sample Mix-Ups in Expression Genetic Data: A Case Study. G3: Genes, Genomes, Genetics, 2015, 5, 2177-2186.	1.8	25
42	Identification of the Bile Acid Transporter Slco1a6 as a Candidate Gene That Broadly Affects Gene Expression in Mouse Pancreatic Islets. Genetics, 2015, 201, 1253-1262.	2.9	22
43	Induction of miR-132 and miR-212 Expression by Glucagon-Like Peptide 1 (GLP-1) in Rodent and Human Pancreatic Î²-Cells. Molecular Endocrinology, 2015, 29, 1243-1253.	3.7	48
44	The Sorting Receptor SorCS1 Regulates Trafficking of Neurexin and AMPA Receptors. Neuron, 2015, 87, 764-780.	8.1	71
45	Global Identification of Protein Post-translational Modifications in a Single-Pass Database Search. Journal of Proteome Research, 2015, 14, 4714-4720.	3.7	43
46	RNA-Seq Alignment to Individualized Genomes Improves Transcript Abundance Estimates in Multiparent Populations. Genetics, 2014, 198, 59-73.	2.9	82
47	Phosphorylation and Degradation of Tomosyn-2 De-represses Insulin Secretion. Journal of Biological Chemistry, 2014, 289, 25276-25286.	3.4	23
48	Energy Metabolic Reprogramming in the Hypertrophied and Early Stage Failing Heart. Circulation: Heart Failure, 2014, 7, 1022-1031.	3.9	233
49	Downregulation of Carnitine Acyl-Carnitine Translocase by miRNAs 132 and 212 Amplifies Glucose-Stimulated Insulin Secretion. Diabetes, 2014, 63, 3805-3814.	0.6	45
50	Insights into obesity and diabetes at the intersection of mouse and human genetics. Trends in Endocrinology and Metabolism, 2014, 25, 493-501.	7.1	32
51	Modeling Causality for Pairs of Phenotypes in System Genetics. Genetics, 2013, 193, 1003-1013.	2.9	38
52	A Quantitative Map of the Liver Mitochondrial Phosphoproteome Reveals Posttranslational Control of Ketogenesis. Cell Metabolism, 2012, 16, 672-683.	16.2	141
53	Gene Co-Expression Modules and Type 2 Diabetes. Results and Problems in Cell Differentiation, 2011, 52, 47-56.	0.7	6
54	Positional Cloning of a Type 2 Diabetes Quantitative Trait Locus; Tomosyn-2, a Negative Regulator of Insulin Secretion. PLoS Genetics, 2011, 7, e1002323.	3.5	67

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55	Causal graphical models in systems genetics: A unified framework for joint inference of causal network and genetic architecture for correlated phenotypes. Annals of Applied Statistics, 2010, 4, 320-339.	1.1	94
56	FoxM1 Is Up-Regulated by Obesity and Stimulates Î²-Cell Proliferation. Molecular Endocrinology, 2010, 24, 1822-1834.	3.7	81
57	Adipocyte metabolism and obesity. Journal of Lipid Research, 2009, 50, S395-S399.	4.2	178
58	A gene expression network model of type 2 diabetes links cell cycle regulation in islets with diabetes susceptibility. Genome Research, 2008, 18, 706-716.	5.5	320
59	ABCA1: at the nexus of cholesterol, HDL and atherosclerosis. Trends in Biochemical Sciences, 2007, 32, 172-179.	7.5	123
60	Stearoyl-CoA Desaturase Deficiency, Hypercholesterolemia, Cholestasis, and Diabetes. Nutrition Reviews, 2007, 65, S35-S38.	5.8	7
61	Stearoyl-CoA desaturase deficiency, hypercholesterolaemia, cholestasis and diabetes. Novartis Foundation Symposium, 2007, 286, 47-53; discussion 54-7, 162-3, 196-203.	1.1	1
62	Defending science education against intelligent design: a call to action. Journal of Clinical Investigation, 2006, 116, 1134-1138.	8.2	5
63	SCD1 is essential for the prevention of hypercholesterolemia and hepatic dysfunction elicited by a very lowâ€fat, high carbohydrate diet. FASEB Journal, 2006, 20, A860.	0.5	0
64	Genetic and Genomic Studies of the BTBR ob/ob Mouse Model of Type 2 Diabetes. American Journal of Therapeutics, 2005, 12, 491-498.	0.9	108
65	Dual regulation of the LDL receptorâ€"Some clarity and new questions. Cell Metabolism, 2005, 1, 290-292.	16.2	87
66	Combined Expression Trait Correlations and Expression Quantitative Trait Locus Mapping. PLoS Genetics, 2005, preprint, e6.	3.5	1
67	The Collaborative Cross, a community resource for the genetic analysis of complex traits. Nature Genetics, 2004, 36, 1133-1137.	21.4	1,034
68	Insig: a significant integrator of nutrient and hormonal signals. Journal of Clinical Investigation, 2004, 113, 1112-1114.	8.2	21
69	Identification and functional analysis of a naturally occurring E89K mutation in the ABCA1 gene of the WHAM chicken. Journal of Lipid Research, 2002, 43, 1610-1617.	4.2	49
70	Relationship between stearoyl-CoA desaturase activity and plasma triglycerides in human and mouse hypertriglyceridemia. Journal of Lipid Research, 2002, 43, 1899-1907.	4.2	318
71	Please Pass the Chips: Genomic Insights into Obesity and Diabetes. Journal of Nutrition, 2001, 131, 2078-2081.	2.9	89
72	Atherosclerosis Modified. Circulation Research, 2001, 89, 102-104.	4.5	6

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73	Analysis of Receptor-Ligand Interactions. Journal of Chemical Education, 1995, 72, 119.	2.3	67
74	Stearoyl-CoA Desaturase Deficiency, Hypercholesterolaemia, Cholestasis and Diabetes. Novartis Foundation Symposium, 0, , 47-57.	1.1	1