

# Mark P Keller

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5939407/mark-p-keller-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47  
papers

1,960  
citations

24  
h-index

44  
g-index

57  
ext. papers

2,555  
ext. citations

7.6  
avg, IF

4.29  
L-index

#	Paper	IF	Citations
47	Diet-Microbiota Interactions Mediate Global Epigenetic Programming in Multiple Host Tissues. <i>Molecular Cell</i> , <b>2016</b> , 64, 982-992	17.6	280
46	A gene expression network model of type 2 diabetes links cell cycle regulation in islets with diabetes susceptibility. <i>Genome Research</i> , <b>2008</b> , 18, 706-16	9.7	269
45	Energy metabolic reprogramming in the hypertrophied and early stage failing heart: a multisystems approach. <i>Circulation: Heart Failure</i> , <b>2014</b> , 7, 1022-31	7.6	165
44	The Mouse Universal Genotyping Array: From Substrains to Subspecies. <i>G3: Genes, Genomes, Genetics</i> , <b>2015</b> , 6, 263-79	3.2	109
43	Host Genotype and Gut Microbiome Modulate Insulin Secretion and Diet-Induced Metabolic Phenotypes. <i>Cell Reports</i> , <b>2017</b> , 18, 1739-1750	10.6	91
42	CAUSAL GRAPHICAL MODELS IN SYSTEMS GENETICS: A UNIFIED FRAMEWORK FOR JOINT INFERENCE OF CAUSAL NETWORK AND GENETIC ARCHITECTURE FOR CORRELATED PHENOTYPES. <i>Annals of Applied Statistics</i> , <b>2010</b> , 4, 320-339	2.1	72
41	Dietary Fructose and Microbiota-Derived Short-Chain Fatty Acids Promote Bacteriophage Production in the Gut Symbiont <i>Lactobacillus reuteri</i> . <i>Cell Host and Microbe</i> , <b>2019</b> , 25, 273-284.e6	23.4	72
40	FoxM1 is up-regulated by obesity and stimulates beta-cell proliferation. <i>Molecular Endocrinology</i> , <b>2010</b> , 24, 1822-34		69
39	RNA-Seq alignment to individualized genomes improves transcript abundance estimates in multiparent populations. <i>Genetics</i> , <b>2014</b> , 198, 59-73	4	55
38	Physiological insights gained from gene expression analysis in obesity and diabetes. <i>Annual Review of Nutrition</i> , <b>2010</b> , 30, 341-64	9.9	55
37	Positional cloning of a type 2 diabetes quantitative trait locus; tomosyn-2, a negative regulator of insulin secretion. <i>PLoS Genetics</i> , <b>2011</b> , 7, e1002323	6	53
36	Integrative analysis of a cross-loci regulation network identifies App as a gene regulating insulin secretion from pancreatic islets. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1003107	6	49
35	NeuCode Proteomics Reveals Bap1 Regulation of Metabolism. <i>Cell Reports</i> , <b>2016</b> , 16, 583-595	10.6	44
34	Downregulation of carnitine acyl-carnitine translocase by miRNAs 132 and 212 amplifies glucose-stimulated insulin secretion. <i>Diabetes</i> , <b>2014</b> , 63, 3805-14	0.9	40
33	Induction of miR-132 and miR-212 Expression by Glucagon-Like Peptide 1 (GLP-1) in Rodent and Human Pancreatic $\beta$ Cells. <i>Molecular Endocrinology</i> , <b>2015</b> , 29, 1243-53		39
32	Global Identification of Protein Post-translational Modifications in a Single-Pass Database Search. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 4714-20	5.6	34
31	Genetic determinants of gut microbiota composition and bile acid profiles in mice. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1008073	6	32

30	Targeted Mass Spectrometry Approach Enabled Discovery of O-Glycosylated Insulin and Related Signaling Peptides in Mouse and Human Pancreatic Islets. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9184-9191	7.8	29
29	Increased transport of acetyl-CoA into the endoplasmic reticulum causes a progeria-like phenotype. <i>Aging Cell</i> , <b>2018</b> , 17, e12820	9.9	28
28	Modeling causality for pairs of phenotypes in system genetics. <i>Genetics</i> , <b>2013</b> , 193, 1003-13	4	28
27	Genetic validation of whole-transcriptome sequencing for mapping expression affected by cis-regulatory variation. <i>BMC Genomics</i> , <b>2010</b> , 11, 473	4.5	27
26	Genetic Drivers of Pancreatic Islet Function. <i>Genetics</i> , <b>2018</b> , 209, 335-356	4	26
25	Gene loci associated with insulin secretion in islets from non-diabetic mice. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 4419-4432	15.9	26
24	Histone chaperone ASF1B promotes human $\beta$ cell proliferation via recruitment of histone H3.3. <i>Cell Cycle</i> , <b>2016</b> , 15, 3191-3202	4.7	25
23	Nat1 Deficiency Is Associated with Mitochondrial Dysfunction and Exercise Intolerance in Mice. <i>Cell Reports</i> , <b>2016</b> , 17, 527-540	10.6	24
22	Intracellular lipid metabolism impairs $\beta$ cell compensation during diet-induced obesity. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 1178-1189	15.9	23
21	Islet proteomics reveals genetic variation in dopamine production resulting in altered insulin secretion. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 5860-5877	5.4	22
20	The Transcription Factor Nfatc2 Regulates $\beta$ Cell Proliferation and Genes Associated with Type 2 Diabetes in Mouse and Human Islets. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1006466	6	22
19	Genetic Architectures of Quantitative Variation in RNA Editing Pathways. <i>Genetics</i> , <b>2016</b> , 202, 787-98	4	20
18	Phosphorylation and degradation of tomosyn-2 de-represses insulin secretion. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 25276-86	5.4	19
17	FAM13A affects body fat distribution and adipocyte function. <i>Nature Communications</i> , <b>2020</b> , 11, 1465	17.4	17
16	The Dissection of Expression Quantitative Trait Locus Hotspots. <i>Genetics</i> , <b>2016</b> , 202, 1563-74	4	16
15	Identification of the Bile Acid Transporter Slco1a6 as a Candidate Gene That Broadly Affects Gene Expression in Mouse Pancreatic Islets. <i>Genetics</i> , <b>2015</b> , 201, 1253-62	4	15
14	Perilipin 5 and liver fatty acid binding protein function to restore quiescence in mouse hepatic stellate cells. <i>Journal of Lipid Research</i> , <b>2018</b> , 59, 416-428	6.3	14
13	A large-scale genome-lipid association map guides lipid identification. <i>Nature Metabolism</i> , <b>2020</b> , 2, 1149-1162	14.62	14

12	Identification and Correction of Sample Mix-Ups in Expression Genetic Data: A Case Study. <i>G3: Genes, Genomes, Genetics</i> , <b>2015</b> , 5, 2177-86	3.2	11
11	Secretion of Recombinant Interleukin-22 by Engineered <i>Lactobacillus reuteri</i> Reduces Fatty Liver Disease in a Mouse Model of Diet-Induced Obesity. <i>MSphere</i> , <b>2020</b> , 5,	5	8
10	Exploiting Prophage-Mediated Lysis for Biotherapeutic Release by. <i>Applied and Environmental Microbiology</i> , <b>2019</b> , 85,	4.8	7
9	Reversal of hypertriglyceridemia in diabetic BTBR ob/ob mice does not prevent nephropathy. <i>Laboratory Investigation</i> , <b>2021</b> , 101, 935-941	5.9	3
8	$\beta$ -adrenergic receptor downregulation leads to adipocyte catecholamine resistance in obesity. <i>Journal of Clinical Investigation</i> , <b>2021</b> ,	15.9	2
7	From methylene bridged diindole to carbonyl linked benzimidazoleindole: Development of potent and metabolically stable PCSK9 modulators. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 206, 112678 <sup>6.8</sup>	6.8	2
6	Application of 2D IR Bioimaging: Hyperspectral Images of Formalin-Fixed Pancreatic Tissues and Observation of Slow Protein Degradation. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 9517-9525	3.4	2
5	Identification of direct transcriptional targets of NFATC2 that promote $\beta$ cell proliferation. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	1
4	Proteomic pathways to metabolic disease and type 2 diabetes in the pancreatic islet. <i>IScience</i> , <b>2021</b> , 24, 103099	6.1	1
3	Statistical Methods for Latent Class Quantitative Trait Loci Mapping. <i>Genetics</i> , <b>2017</b> , 206, 1309-1317	4	
2	Hunk, a Serine/Threonine Protein Kinase, Regulates Insulin Secretion from Pancreatic Islets. <i>FASEB Journal</i> , <b>2018</b> , 32, 670.15	0.9	
1	INFIMA leverages multi-omics model organism data to identify effector genes of human GWAS variants. <i>Genome Biology</i> , <b>2021</b> , 22, 241	18.3	