Michael L Stitzel

List of Publications by Year
in descending order

39 papers	4,139 citations	304743 22 h-index	302126 39 g-index
55 all docs	55 docs citations	55 times ranked	8916 citing authors

#	Article	IF	Citations
1	The genetic architecture of type 2 diabetes. Nature, 2016, 536, 41-47.	27.8	952
2	Chromatin stretch enhancer states drive cell-specific gene regulation and harbor human disease risk variants. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17921-17926.	7.1	606
3	Single-cell transcriptomes identify human islet cell signatures and reveal cell-typeâ€“specific expression changes in type 2 diabetes. Genome Research, 2017, 27, 208-222.	5.5	440
4	Regulation of the Oocyte-to-Zygote Transition. Science, 2007, 316, 407-408.	12.6	235
5	Global Epigenomic Analysis of Primary Human Pancreatic Islets Provides Insights into Type 2 Diabetes Susceptibility Loci. Cell Metabolism, 2010, 12, 443-455.	16.2	190
6	Genetic regulatory signatures underlying islet gene expression and type 2 diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2301-2306.	7.1	189
7	The chromatin accessibility signature of human immune aging stems from CD8+ T cells. Journal of Experimental Medicine, 2017, 214, 3123-3144.	8.5	150
8	Whole-genome sequencing identifies a recurrent functional synonymous mutation in melanoma. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13481-13486.	7.1	147
9	Targeted Disruption of the Methionine Synthase Gene in Mice. Molecular and Cellular Biology, 2001, 21, 1058-1065.	2.3	145
10	The C. elegans DYRK Kinase MBK-2 Marks Oocyte Proteins for Degradation in Response to Meiotic Maturation. Current Biology, 2006, 16, 56-62.	3.9	102
11	Autosomal Dominant Diabetes Arising From a Wolfram Syndrome 1 Mutation. Diabetes, 2013, 62, 3943-3950.	0.6	100
12	Genetic variant effects on gene expression in human pancreatic islets and their implications for T2D. Nature Communications, 2020, 11, 4912.	12.8	89
13	Multiomic Profiling Identifies cis-Regulatory Networks Underlying Human Pancreatic Î² Cell Identity and Function. Cell Reports, 2019, 26, 788-801.e6.	6.4	68
14	A Common Functional Regulatory Variant at a Type 2 Diabetes Locus Upregulates ARAP1 Expression in the Pancreatic Beta Cell. American Journal of Human Genetics, 2014, 94, 186-197.	6.2	67
15	Regulation of MBK-2/Dyrk Kinase by Dynamic Cortical Anchoring during the Oocyte-to-Zygote Transition. Current Biology, 2007, 17, 1545-1554.	3.9	58
16	Genomics of Islet (Dys)function and Type 2 Diabetes. Trends in Genetics, 2017, 33, 244-255.	6.7	55
17	A Type 2 Diabetesâ€“Associated Functional Regulatory Variant in a Pancreatic Islet Enhancer at the ADCY5 Locus. Diabetes, 2017, 66, 2521-2530.	0.6	54
18	A Common Type 2 Diabetes Risk Variant Potentiates Activity of an Evolutionarily Conserved Islet Stretch Enhancer and Increases C2CD4A and C2CD4B Expression. American Journal of Human Genetics, 2018, 102, 620-635.	6.2	47

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19	Type 2 Diabetesâ€“Associated Genetic Variants Regulate Chromatin Accessibility in Human Islets. Diabetes, 2018, 67, 2466-2477.	0.6	44
20	Alpha TC1 and Beta-TC-6 genomic profiling uncovers both shared and distinct transcriptional regulatory features with their primary islet counterparts. Scientific Reports, 2017, 7, 11959.	3.3	41
21	Direct characterization of cis-regulatory elements and functional dissection of complex genetic associations using HCRâ€“FlowFISH. Nature Genetics, 2021, 53, 1166-1176.	21.4	36
22	AMULET: a novel read count-based method for effective multiplet detection from single nucleus ATAC-seq data. Genome Biology, 2021, 22, 252.	8.8	36
23	Two-phase differential expression analysis for single cell RNA-seq. Bioinformatics, 2018, 34, 3340-3348.	4.1	34
24	Single Cell Analysis of Blood Mononuclear Cells Stimulated Through Either LPS or Anti-CD3 and Anti-CD28. Frontiers in Immunology, 2021, 12, 636720.	4.8	32
25	Sequence data and association statistics from 12,940 type 2 diabetes cases and controls. Scientific Data, 2017, 4, 170179.	5.3	31
26	Simulation of Finnish Population History, Guided by Empirical Genetic Data, to Assess Power of Rare-Variant Tests in Finland. American Journal of Human Genetics, 2014, 94, 710-720.	6.2	24
27	A neural network based model effectively predicts enhancers from clinical ATAC-seq samples. Scientific Reports, 2018, 8, 16048.	3.3	23
28	Cell Specificity of Human Regulatory Annotations and Their Genetic Effects on Gene Expression. Genetics, 2019, 211, 549-562.	2.9	16
29	Functional characterization of T2D-associated SNP effects on baseline and ER stress-responsive Î² cell transcriptional activation. Nature Communications, 2021, 12, 5242.	12.8	13
30	(Epi)genomic heterogeneity of pancreatic islet function and failure in type 2 diabetes. Molecular Metabolism, 2019, 27, S15-S24.	6.5	12
31	Transcriptional Regulation of the Pancreatic Islet: Implications for Islet Function. Current Diabetes Reports, 2015, 15, 66.	4.2	11
32	Tet2 Controls the Responses of Î² cells to Inflammation in Autoimmune Diabetes. Nature Communications, 2021, 12, 5074.	12.8	11
33	QuIN: A Web Server for Querying and Visualizing Chromatin Interaction Networks. PLoS Computational Biology, 2016, 12, e1004809.	3.2	10
34	BiFET: sequencing <u>Bi</u>as-free transcription factor <u>F</u>ootprint <u>E</u>nrichment <u>T</u>est. Nucleic Acids Research, 2019, 47, e11-e11.	14.5	9
35	A Transcription Start Site Map in Human Pancreatic Islets Reveals Functional Regulatory Signatures. Diabetes, 2021, 70, 1581-1591.	0.6	7
36	Computational inference of H3K4me3 and H3K27ac domain length. PeerJ, 2016, 4, e1750.	2.0	7

#	Article	IF	Citations
37	CoRE-ATAC: A deep learning model for the functional classification of regulatory elements from single cell and bulk ATAC-seq data. PLoS Computational Biology, 2021, 17, e1009670.	3.2	7
38	From GWAS Association to Function. Circulation Research, 2020, 126, 347-349.	4.5	3
39	A new graph-based clustering method with application to single-cell RNA-seq data from human pancreatic islets. NAR Genomics and Bioinformatics, 2021, 3, lqaa087.	3.2	2