

Markus Stoffel

List of Publications by Citations

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

42
papers

9,097
citations

23
h-index

46
g-index

46
ext. papers

10,219
ext. citations

18.3
avg, IF

5.66
L-index

#	Paper	IF	Citations
42	Silencing of microRNAs in vivo with Antagomirs. <i>Nature</i> , 2005 , 438, 685-9	50.4	3298
41	A pancreatic islet-specific microRNA regulates insulin secretion. <i>Nature</i> , 2004 , 432, 226-30	50.4	1714
40	Mechanisms and optimization of in vivo delivery of lipophilic siRNAs. <i>Nature Biotechnology</i> , 2007 , 25, 1149-57	44.5	730
39	miR-375 maintains normal pancreatic alpha- and beta-cell mass. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 5813-8	11.5	594
38	Assessing the ceRNA hypothesis with quantitative measurements of miRNA and target abundance. <i>Molecular Cell</i> , 2014 , 54, 766-76	17.6	451
37	Specificity, duplex degradation and subcellular localization of antagomirs. <i>Nucleic Acids Research</i> , 2007 , 35, 2885-92	20.1	390
36	Apolipoprotein M is required for prebeta-HDL formation and cholesterol efflux to HDL and protects against atherosclerosis. <i>Nature Medicine</i> , 2005 , 11, 418-22	50.5	258
35	Obesity-induced overexpression of miR-802 impairs glucose metabolism through silencing of Hnf1b. <i>Nature</i> , 2013 , 494, 111-5	50.4	257
34	Impact of MicroRNA Levels, Target-Site Complementarity, and Cooperativity on Competing Endogenous RNA-Regulated Gene Expression. <i>Molecular Cell</i> , 2016 , 64, 565-579	17.6	207
33	MicroRNA-7a regulates pancreatic β cell function. <i>Journal of Clinical Investigation</i> , 2014 , 124, 2722-35	15.9	193
32	The microRNA-200 family regulates pancreatic beta cell survival in type 2 diabetes. <i>Nature Medicine</i> , 2015 , 21, 619-27	50.5	183
31	Uptake and Function Studies of Maternal Milk-derived MicroRNAs. <i>Journal of Biological Chemistry</i> , 2015 , 290, 23680-91	5.4	106
30	miR-375 gene dosage in pancreatic β cells: implications for regulation of β cell mass and biomarker development. <i>Journal of Molecular Medicine</i> , 2015 , 93, 1159-69	5.5	90
29	MicroRNAs as stress regulators in pancreatic beta cells and diabetes. <i>Molecular Metabolism</i> , 2017 , 6, 1010-1023	8.8	89
28	Plasma levels of sphingosine-1-phosphate and apolipoprotein M in patients with monogenic disorders of HDL metabolism. <i>Atherosclerosis</i> , 2011 , 219, 855-63	3.1	83
27	Loss of microRNA-7a2 induces hypogonadotropic hypogonadism and infertility. <i>Journal of Clinical Investigation</i> , 2017 , 127, 1061-1074	15.9	57
26	Genetic dissection of the miR-200-Zeb1 axis reveals its importance in tumor differentiation and invasion. <i>Nature Communications</i> , 2018 , 9, 4671	17.4	57

25	In vivo adenine base editing of PCSK9 in macaques reduces LDL cholesterol levels. <i>Nature Biotechnology</i> , 2021 , 39, 949-957	44.5	50
24	The multi-subunit GID/CTLH E3 ubiquitin ligase promotes cell proliferation and targets the transcription factor Hbp1 for degradation. <i>ELife</i> , 2018 , 7,	8.9	47
23	The Lin28/let-7 axis is critical for myelination in the peripheral nervous system. <i>Nature Communications</i> , 2015 , 6, 8584	17.4	30
22	Apolipoprotein M modulates erythrocyte efflux and tubular reabsorption of sphingosine-1-phosphate. <i>Journal of Lipid Research</i> , 2014 , 55, 1730-7	6.3	27
21	Fas cell surface death receptor controls hepatic lipid metabolism by regulating mitochondrial function. <i>Nature Communications</i> , 2017 , 8, 480	17.4	27
20	The RNA-binding protein vigilin regulates VLDL secretion through modulation of Apob mRNA translation. <i>Nature Communications</i> , 2016 , 7, 12848	17.4	25
19	In vivo cytidine base editing of hepatocytes without detectable off-target mutations in RNA and DNA. <i>Nature Biomedical Engineering</i> , 2021 , 5, 179-189	19	20
18	The Diabetes Gene JAZF1 Is Essential for the Homeostatic Control of Ribosome Biogenesis and Function in Metabolic Stress. <i>Cell Reports</i> , 2020 , 32, 107846	10.6	13
17	The RNA-Binding Protein A1CF Regulates Hepatic Fructose and Glycerol Metabolism via Alternative RNA Splicing. <i>Cell Reports</i> , 2019 , 29, 283-300.e8	10.6	13
16	Tmem27 dimerization, deglycosylation, plasma membrane depletion, and the extracellular Phe-Phe motif are negative regulators of cleavage by Bace2. <i>Biological Chemistry</i> , 2012 , 393, 473-84	4.5	12
15	CDK8 Regulates Insulin Secretion and Mediates Postnatal and Stress-Induced Expression of Neuropeptides in Pancreatic β Cells. <i>Cell Reports</i> , 2019 , 28, 2892-2904.e7	10.6	10
14	Kin of IRRE-like Protein 2 Is a Phosphorylated Glycoprotein That Regulates Basal Insulin Secretion. <i>Journal of Biological Chemistry</i> , 2015 , 290, 25891-906	5.4	10
13	Foxa1 is essential for development and functional integrity of the subthalamic nucleus. <i>Scientific Reports</i> , 2016 , 6, 38611	4.9	10
12	Reply to Diet-responsive MicroRNAs Are Likely Exogenous. <i>Journal of Biological Chemistry</i> , 2015 , 290, 25198	5.4	8
11	Automated assessment of β cell area and density per islet and patient using TMEM27 and BACE2 immunofluorescence staining in human pancreatic β cells. <i>PLoS ONE</i> , 2014 , 9, e98932	3.7	7
10	The Long, the Short, and the Unstructured: A Unifying Model of miRNA Biogenesis. <i>Molecular Cell</i> , 2015 , 60, 4-6	17.6	5
9	miR-802 regulates Paneth cell function and enterocyte differentiation in the mouse small intestine. <i>Nature Communications</i> , 2021 , 12, 3339	17.4	4
8	High-Throughput Single-Cell Mass Spectrometry Reveals Abnormal Lipid Metabolism in Pancreatic Ductal Adenocarcinoma. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 24534-24542	16.4	4

7	MicroRNA-7a2 Regulates Prolactin in Developing Lactotrophs and Prolactinoma Cells. <i>Endocrinology</i> , 2021 , 162,	4.8	3
6	miR-802 Suppresses Acinar-to-Ductal Reprogramming During Early Pancreatitis and Pancreatic Carcinogenesis. <i>Gastroenterology</i> , 2021 ,	13.3	3
5	SIK2 regulates insulin secretion. <i>Nature Cell Biology</i> , 2014 , 16, 210-2	23.4	2
4	Grainyhead 1 acts as a drug-inducible conserved transcriptional regulator linked to insulin signaling and lifespan.. <i>Nature Communications</i> , 2022 , 13, 107	17.4	2
3	Dysregulation of the Pdx1/Ovol2/Zeb2 axis in dedifferentiated β cells triggers the induction of genes associated with epithelial-mesenchymal transition in diabetes. <i>Molecular Metabolism</i> , 2021 , 53, 101248	8.8	2
2	Apolipoprotein M and Sphingosine-1-Phosphate Receptor 1 Promote the Transendothelial Transport of High-Density Lipoprotein. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, e468-e479	9.4	1
1	The miR-200-Zeb1 axis regulates key aspects of β cell function and survival in vivo. <i>Molecular Metabolism</i> , 2021 , 53, 101267	8.8	0