

Markus Stoffel

List of Publications by Year in descending order

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43
papers

11,019
citations

218677
26
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254184
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46
all docs

46
docs citations

46
times ranked

14292
citing authors

#	ARTICLE	IF	CITATIONS
1	Silencing of microRNAs in vivo with antagomirs™. Nature, 2005, 438, 685-689.	27.8	3,706
2	A pancreatic islet-specific microRNA regulates insulin secretion. Nature, 2004, 432, 226-230.	27.8	1,932
3	Mechanisms and optimization of in vivo delivery of lipophilic siRNAs. Nature Biotechnology, 2007, 25, 1149-1157.	17.5	854
4	miR-375 maintains normal pancreatic β - and δ -cell mass. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5813-5818.	7.1	710
5	Assessing the ceRNA Hypothesis with Quantitative Measurements of miRNA and Target Abundance. Molecular Cell, 2014, 54, 766-776.	9.7	579
6	Specificity, duplex degradation and subcellular localization of antagomirs. Nucleic Acids Research, 2007, 35, 2885-2892.	14.5	433
7	Obesity-induced overexpression of miR-802 impairs glucose metabolism through silencing of Hnf1b. Nature, 2013, 494, 111-115.	27.8	304
8	Impact of MicroRNA Levels, Target-Site Complementarity, and Cooperativity on Competing Endogenous RNA-Regulated Gene Expression. Molecular Cell, 2016, 64, 565-579.	9.7	300
9	Apolipoprotein M is required for pre β -HDL formation and cholesterol efflux to HDL and protects against atherosclerosis. Nature Medicine, 2005, 11, 418-422.	30.7	276
10	MicroRNA-7a regulates pancreatic β cell function. Journal of Clinical Investigation, 2014, 124, 2722-2735.	8.2	251
11	The microRNA-200 family regulates pancreatic beta cell survival in type 2 diabetes. Nature Medicine, 2015, 21, 619-627.	30.7	236
12	In vivo adenine base editing of PCSK9 in macaques reduces LDL cholesterol levels. Nature Biotechnology, 2021, 39, 949-957.	17.5	196
13	Uptake and Function Studies of Maternal Milk-derived MicroRNAs. Journal of Biological Chemistry, 2015, 290, 23680-23691.	3.4	135
14	MicroRNAs as stress regulators in pancreatic beta cells and diabetes. Molecular Metabolism, 2017, 6, 1010-1023.	6.5	129
15	Genetic dissection of the miR-200-Zeb1 axis reveals its importance in tumor differentiation and invasion. Nature Communications, 2018, 9, 4671.	12.8	111
16	miR-375 gene dosage in pancreatic β -cells: implications for regulation of β -cell mass and biomarker development. Journal of Molecular Medicine, 2015, 93, 1159-1169.	3.9	104
17	Plasma levels of sphingosine-1-phosphate and apolipoprotein M in patients with monogenic disorders of HDL metabolism. Atherosclerosis, 2011, 219, 855-863.	0.8	87
18	Loss of microRNA-7a2 induces hypogonadotropic hypogonadism and infertility. Journal of Clinical Investigation, 2017, 127, 1061-1074.	8.2	83

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19	The multi-subunit GID/CTLH E3 ubiquitin ligase promotes cell proliferation and targets the transcription factor Hbp1 for degradation. <i>ELife</i> , 2018, 7, .	6.0	76
20	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.	22.5	62
21	Fas cell surface death receptor controls hepatic lipid metabolism by regulating mitochondrial function. <i>Nature Communications</i> , 2017, 8, 480.	12.8	40
22	The Lin28/let-7 axis is critical for myelination in the peripheral nervous system. <i>Nature Communications</i> , 2015, 6, 8584.	12.8	36
23	Apolipoprotein M modulates erythrocyte efflux and tubular reabsorption of sphingosine-1-phosphate. <i>Journal of Lipid Research</i> , 2014, 55, 1730-1737.	4.2	35
24	The RNA-Binding Protein A1CF Regulates Hepatic Fructose and Glycerol Metabolism via Alternative RNA Splicing. <i>Cell Reports</i> , 2019, 29, 283-300.e8.	6.4	35
25	The RNA-binding protein vigilin regulates VLDL secretion through modulation of Apob mRNA translation. <i>Nature Communications</i> , 2016, 7, 12848.	12.8	34
26	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.	6.4	33
27	High-Throughput Single-Cell Mass Spectrometry Reveals Abnormal Lipid Metabolism in Pancreatic Ductal Adenocarcinoma. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24534-24542.	13.8	31
28	miR-802 Suppresses Acinar-to-Ductal Reprogramming During Early Pancreatitis and Pancreatic Carcinogenesis. <i>Gastroenterology</i> , 2022, 162, 269-284.	1.3	24
29	Therapeutic RNA-silencing oligonucleotides in metabolic diseases. <i>Nature Reviews Drug Discovery</i> , 2022, 21, 417-439.	46.4	24
30	Foxa1 is essential for development and functional integrity of the subthalamic nucleus. <i>Scientific Reports</i> , 2016, 6, 38611.	3.3	19
31	Kin of IRRE-like Protein 2 Is a Phosphorylated Glycoprotein That Regulates Basal Insulin Secretion. <i>Journal of Biological Chemistry</i> , 2015, 290, 25891-25906.	3.4	16
32	miR-802 regulates Paneth cell function and enterocyte differentiation in the mouse small intestine. <i>Nature Communications</i> , 2021, 12, 3339.	12.8	16
33	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, 473-484.	2.5	15
34	Dysregulation of the Pdx1/Ovol2/Zeb2 axis in dedifferentiated β^2 -cells triggers the induction of genes associated with epithelial-mesenchymal transition in diabetes. <i>Molecular Metabolism</i> , 2021, 53, 101248.	6.5	14
35	CDK8 Regulates Insulin Secretion and Mediates Postnatal and Stress-Induced Expression of Neuropeptides in Pancreatic β^2 Cells. <i>Cell Reports</i> , 2019, 28, 2892-2904.e7.	6.4	13
36	Automated Assessment of β^2 -Cell Area and Density per Islet and Patient Using TMEM27 and BACE2 Immunofluorescence Staining in Human Pancreatic β^2 -Cells. <i>PLoS ONE</i> , 2014, 9, e98932.	2.5	11

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37	Reply to Diet-responsive MicroRNAs Are Likely Exogenous. Journal of Biological Chemistry, 2015, 290, 25198.	3.4	10
38	Apolipoprotein M and Sphingosine-1-Phosphate Receptor 1 Promote the Transendothelial Transport of High-Density Lipoprotein. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, e468-e479.	2.4	10
39	MicroRNA-7a2 Regulates Prolactin in Developing Lactotrophs and Prolactinoma Cells. Endocrinology, 2021, 162, .	2.8	10
40	The miR-200a-Zeb1 axis regulates key aspects of β 2-cell function and survival in vivo. Molecular Metabolism, 2021, 53, 101267.	6.5	9
41	SIK2 regulates insulin secretion. Nature Cell Biology, 2014, 16, 210-212.	10.3	6
42	The Long, the Short, and the Unstructured: A Unifying Model of miRNA Biogenesis. Molecular Cell, 2015, 60, 4-6.	9.7	5
43	Grainyhead 1 acts as a drug-inducible conserved transcriptional regulator linked to insulin signaling and lifespan. Nature Communications, 2022, 13, 107.	12.8	5