

Talitha Van Der Meulen

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.

19
papers

1,033
citations

12
h-index

21
g-index

21
ext. papers

1,291
ext. citations

9.8
avg, IF

4.25
L-index

#	Paper	IF	Citations
19	The transcriptional landscape of mouse beta cells compared to human beta cells reveals notable species differences in long non-coding RNA and protein-coding gene expression. <i>BMC Genomics</i> , 2014 , 15, 620	4.5	188
18	Comprehensive alpha, beta and delta cell transcriptomes reveal that ghrelin selectively activates delta cells and promotes somatostatin release from pancreatic islets. <i>Molecular Metabolism</i> , 2016 , 5, 449-458	8.8	175
17	Urocortin3 mediates somatostatin-dependent negative feedback control of insulin secretion. <i>Nature Medicine</i> , 2015 , 21, 769-76	50.5	146
16	Virgin Beta Cells Persist throughout Life at a Neogenic Niche within Pancreatic Islets. <i>Cell Metabolism</i> , 2017 , 25, 911-926.e6	24.6	129
15	Role of transcription factors in the transdifferentiation of pancreatic islet cells. <i>Journal of Molecular Endocrinology</i> , 2015 , 54, R103-17	4.5	70
14	Urocortin 3 marks mature human primary and embryonic stem cell-derived pancreatic alpha and beta cells. <i>PLoS ONE</i> , 2012 , 7, e52181	3.7	67
13	Artemether Does Not Turn β Cells into α Cells. <i>Cell Metabolism</i> , 2018 , 27, 218-225.e4	24.6	60
12	CRFR1 is expressed on pancreatic beta cells, promotes beta cell proliferation, and potentiates insulin secretion in a glucose-dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 912-7	11.5	53
11	CRISPR/Cas9 microinjection in oocytes disables pancreas development in sheep. <i>Scientific Reports</i> , 2017 , 7, 17472	4.9	39
10	Maturation of stem cell-derived beta-cells guided by the expression of urocortin 3. <i>Review of Diabetic Studies</i> , 2014 , 11, 115-32	3.6	33
9	The Difference β Cells Make in Glucose Control. <i>Physiology</i> , 2018 , 33, 403-411	9.8	17
8	Mosaicism diminishes the value of pre-implantation embryo biopsies for detecting CRISPR/Cas9 induced mutations in sheep. <i>Transgenic Research</i> , 2018 , 27, 525-537	3.3	15
7	CRFR1 activation protects against cytokine-induced β cell death. <i>Journal of Molecular Endocrinology</i> , 2014 , 53, 417-27	4.5	10
6	Engineering NGF receptors to bind Grb2 directly uncovers differences in signaling ability between Grb2- and ShcA-binding sites. <i>FEBS Letters</i> , 2012 , 586, 3658-64	3.8	8
5	Evidence for a Neogenic Niche at the Periphery of Pancreatic Islets. <i>BioEssays</i> , 2018 , 40, e1800119	4.1	7
4	Genetic deletion of Urocortin 3 does not prevent functional maturation of beta cells. <i>Journal of Endocrinology</i> , 2020 , 246, 69-78	4.7	6
3	Identification of STS-1 as a novel ShcA-binding protein. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 490, 1334-1339	3.4	4

- 2 Data-driven synthesis of proteolysis-resistant peptide hormones. *Journal of the American Chemical Society*, **2014**, 136, 17710-3 16.4 3
- 1 Virgin ECells at the Neogenic Niche Proliferate Normally and Mature Slowly. *Diabetes*, **2021**, 70, 1070-1083 3