Daniel T Zeman

List of Publications by Year
in descending order

23	2,683	516561 16	642610 23
papers	citations	h-index	g-index

23	23	23	3840
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interleukin-6 enhances insulin secretion by increasing glucagon-like peptide-1 secretion from L cells and alpha cells. Nature Medicine, 2011, 17, 1481-1489.	15.2	714
2	Inflammation in obesity, diabetes, and related disorders. Immunity, 2022, 55, 31-55.	6.6	489
3	Postprandial macrophage-derived IL-1Î² stimulates insulin, and both synergistically promote glucose disposal and inflammation. Nature Immunology, 2017, 18, 283-292.	7.0	286
4	Free Fatty Acids Induce a Proinflammatory Response in Islets via the Abundantly Expressed Interleukin-1 Receptor I. Endocrinology, 2009, 150, 5218-5229.	1.4	285
5	Low- and High-Density Lipoproteins Modulate Function, Apoptosis, and Proliferation of Primary Human and Murine Pancreatic Î²-Cells. Endocrinology, 2009, 150, 4521-4530.	1.4	199
6	Islet inflammation in type 2 diabetes. Seminars in Immunopathology, 2019, 41, 501-513.	2.8	119
7	Identification of a SIRT1 Mutation in a Family with Type 1 Diabetes. Cell Metabolism, 2013, 17, 448-455.	7.2	103
8	Pancreatic Î± Cell-Derived Glucagon-Related Peptides Are Required for Î² Cell Adaptation and Glucose Homeostasis. Cell Reports, 2017, 18, 3192-3203.	2.9	87
9	Inflammation in the Pathophysiology and Therapy of Cardiometabolic Disease. Endocrine Reviews, 2019, 40, 1080-1091.	8.9	70
10	Islet amyloid formation is an important determinant for inducing islet inflammation in high-fat-fed human IAPP transgenic mice. Diabetologia, 2014, 57, 1884-1888.	2.9	68
11	Î² Cell-Specific Deletion of the IL-1 Receptor Antagonist Impairs Î² Cell Proliferation and Insulin Secretion. Cell Reports, 2018, 22, 1774-1786.	2.9	59
12	One year of sitagliptin treatment protects against islet amyloid-associated Î²-cell loss and does not induce pancreatitis or pancreatic neoplasia in mice. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E475-E484.	1.8	40
13	The S20G substitution in hIAPP is more amyloidogenic and cytotoxic than wild-type hIAPP in mouse islets. Diabetologia, 2016, 59, 2166-2171.	2.9	37
14	Determination of Optimal Sample Size for Quantification of Î²-Cell Area, Amyloid Area and Î²-Cell Apoptosis in Isolated Islets. Journal of Histochemistry and Cytochemistry, 2015, 63, 663-673.	1.3	18
15	Apoptosis Repressor With Caspase Recruitment Domain Ameliorates Amyloid-Induced Î²-Cell Apoptosis and JNK Pathway Activation. Diabetes, 2017, 66, 2636-2645.	0.3	17
16	Vaccination Against Amyloidogenic Aggregates in Pancreatic Islets Prevents Development of Type 2 Diabetes Mellitus. Vaccines, 2020, 8, 116.	2.1	17
17	Inhibition of IL-1beta improves Glycaemia in a Mouse Model for Gestational Diabetes. Scientific Reports, 2020, 10, 3035.	1.6	17
18	Targeting colonic macrophages improves glycemic control in high-fat diet-induced obesity. Communications Biology, 2022, 5, 370.	2.0	13

#	Article	IF	Citations
19	Matrix Metalloproteinase-9 Protects Islets from Amyloid-induced Toxicity. Journal of Biological Chemistry, 2015, 290, 30475-30485.	1.6	12
20	Low concentration IL-1Î² promotes islet amyloid formation by increasing hIAPP release from humanised mouse islets in vitro. Diabetologia, 2020, 63, 2385-2395.	2.9	10
21	IL-1beta promotes the age-associated decline of beta cell function. IScience, 2021, 24, 103250.	1.9	10
22	Use of the PET ligand florbetapir for in vivo imaging of pancreatic islet amyloid deposits in hIAPP transgenic mice. Diabetologia, 2018, 61, 2215-2224.	2.9	8
23	Inhibition of Insulin-Degrading Enzyme Does Not Increase Islet Amyloid Deposition in Vitro. Endocrinology, 2016, 157, 3462-3468.	1.4	5