Sarah A Tersey

List of Publications by Year
in descending order

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70 papers	2,481 citations	212478 28 h-index	242451 47 g-index
75 all docs	75 docs citations	75 times ranked	3612 citing authors

#	Article	IF	Citations
1	Nmp4, a Regulator of Induced Osteoanabolism, Also Influences Insulin Secretion and Sensitivity. Calcified Tissue International, 2022, 110, 244-259.	1.5	3
2	Role of Polyamines and Hypusine in Î² Cells and Diabetes Pathogenesis. Metabolites, 2022, 12, 344.	1.3	16
3	Proinflammatory signaling in islet Î² cells propagates invasion of pathogenic immune cells in autoimmune diabetes. Cell Reports, 2022, 39, 111011.	2.9	11
4	Phenotypic sexual dimorphism in response to dietary fat manipulation in C57BL/6J mice. Journal of Diabetes and Its Complications, 2021, 35, 107795.	1.2	71
5	Cell-Free DNA Fragments as Biomarkers of Islet Î²-Cell Death in Obesity and Type 2 Diabetes. International Journal of Molecular Sciences, 2021, 22, 2151.	1.8	12
6	Creatine-mediated crosstalk between adipocytes and cancer cells regulates obesity-driven breast cancer. Cell Metabolism, 2021, 33, 499-512.e6.	7.2	61
7	12-Lipoxygenase governs the innate immune pathogenesis of islet inflammation and autoimmune diabetes. JCI Insight, 2021, 6, .	2.3	14
8	Imatinib therapy for patients with recent-onset type 1 diabetes: a multicentre, randomised, double-blind, placebo-controlled, phase 2 trial. Lancet Diabetes and Endocrinology,the, 2021, 9, 502-514.	5.5	53
9	Deoxyhypusine synthase promotes a pro-inflammatory macrophage phenotype. Cell Metabolism, 2021, 33, 1883-1893.e7.	7.2	24
10	ROCK2 inhibition enhances the thermogenic program in white and brown fat tissue in mice. FASEB Journal, 2020, 34, 474-493.	0.2	11
11	Comprehensive Proteomics Analysis of Stressed Human Islets Identifies GDF15 as a Target for Type 1 Diabetes Intervention. Cell Metabolism, 2020, 31, 363-374.e6.	7.2	78
12	Circulating Unmethylated Insulin DNA As a Biomarker of Human Beta Cell Death: A Multi-laboratory Assay Comparison. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 781-791.	1.8	17
13	A 12â€lipoxygenaseâ€Gpr31 signaling axis is required for pancreatic organogenesis in the zebrafish. FASEB Journal, 2020, 34, 14850-14862.	0.2	12
14	Preventing Post-Transplant Diabetes Mellitus Via Orchestration of the IL-33/ST2 Axis in Pancreatic Islets. Biology of Blood and Marrow Transplantation, 2020, 26, S168-S169.	2.0	0
15	Circulating unmethylated CHTOP and INS DNA fragments provide evidence of possible islet cell death in youth with obesity and diabetes. Clinical Epigenetics, 2020, 12, 116.	1.8	17
16	Single-Cell Transcriptional Profiling of Mouse Islets Following Short-Term Obesogenic Dietary Intervention. Metabolites, 2020, 10, 513.	1.3	14
17	Oligomeric collagen as an encapsulation material for islet/Î²-cell replacement: effect of islet source, dose, implant site, and administration format. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E388-E400.	1.8	6
18	2128-P: 12/15-Lipoxygenase Regulates Macrophage Migration during Islet Inflammation. Diabetes, 2020, 69, 2128-P.	0.3	0

#	Article	IF	Citations
19	85-OR: Islet-Autonomous Inflammatory Signaling Propagates Autoimmunity and Promotes Diabetes in Nonobese Diabetic Mice. Diabetes, 2020, 69, 85-OR.	0.3	0
20	288-OR: Myeloid-Specific Deletion of Alox15 Decreases Pancreatic Inflammation and Protects from Spontaneous Diabetes Development in Nonobese Diabetic (NOD) Mice. Diabetes, 2020, 69, .	0.3	0
21	117-LB: Nonviral Direct Reprogramming of Human Skin Fibroblasts into Hormone-Expressing ÃŸ-Like Cell Clusters. Diabetes, 2020, 69, 117-LB.	0.3	0
22	Adiponectin receptor fragmentation in mouse models of type 1 and type 2 diabetes. , 2020, 1, 3-13.		0
23	1,25-Dihydroxyvitamin D3 enhances glucose-stimulated insulin secretion in mouse and human islets: a role for transcriptional regulation of voltage-gated calcium channels by the vitamin D receptor. Journal of Steroid Biochemistry and Molecular Biology, 2019, 185, 17-26.	1.2	37
24	Persistent elevations in circulating INS DNA among subjects with longstanding type 1 diabetes. Diabetes, Obesity and Metabolism, 2019, 21, 95-102.	2.2	9
25	A Versatile, Portable Intravital Microscopy Platform for Studying Beta-cell Biology In Vivo. Scientific Reports, 2019, 9, 8449.	1.6	32
26	Platelet-type 12-lipoxygenase deletion provokes a compensatory 12/15-lipoxygenase increase that exacerbates oxidative stress in mouse islet Î² cells. Journal of Biological Chemistry, 2019, 294, 6612-6620.	1.6	21
27	Hypusine biosynthesis in Î² cells links polyamine metabolism to facultative cellular proliferation to maintain glucose homeostasis. Science Signaling, 2019, 12, .	1.6	37
28	Combined Analysis of GAD65, miR-375, and Unmethylated Insulin DNA Following Islet Transplantation in Patients With T1D. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 451-460.	1.8	15
29	Comparative analysis of diagnostic platforms for measurement of differentially methylated insulin DNA. Journal of Biological Methods, 2019, 6, e113.	1.0	4
30	Small molecule inhibition of NOX-1 reduces diabetes conversion in NOD mice. Integrative Molecular Medicine, 2019, 6, .	0.3	2
31	359-OR: 12/15-Lipoxygenase in Islets and Macrophages Independently Promotes Autoimmune Diabetes in NOD Mice. Diabetes, 2019, 68, 359-OR.	0.3	0
32	Type 2 Diabetes-Driven Alterations in Bone Healing and Angiogenesis. Proceedings of IMPRS, 2019, 2, .	0.0	0
33	Hypoglycemia in a Patient With a Polyhormonal Pancreatic Neuroendocrine Tumor With Evidence of Endocrine Progenitors. Journal of the Endocrine Society, 2018, 2, 172-177.	0.1	0
34	A system for detecting high impact-low frequency mutations in primary tumors and metastases. Oncogene, 2018, 37, 185-196.	2.6	21
35	Elevated unmethylated and methylated insulin DNA are unique markers of A + Î² + ketosis prone diabetes. Journal of Diabetes and Its Complications, 2018, 32, 193-195.	1.2	9
36	AnIn VivoZebrafish Model for Interrogating ROS-Mediated PancreaticÎ²-Cell Injury, Response, and Prevention. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-8.	1.9	24

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37	In situ type I oligomeric collagen macroencapsulation promotes islet longevity and function in vitro and in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E650-E661.	1.8	30
38	Episodic Î²â€cell death and dedifferentiation during dietâ€induced obesity and dysglycemia in male mice. FASEB Journal, 2018, 32, 6150-6158.	0.2	26
39	Biomarkers of islet beta cell stress and death in type 1 diabetes. Diabetologia, 2018, 61, 2259-2265.	2.9	31
40	Chronic high fat feeding restricts islet mRNA translation initiation independently of ER stress via DNA damage and p53 activation. Scientific Reports, 2017, 7, 3758.	1.6	15
41	Inhibition of 12/15-Lipoxygenase Protects Against Î²-Cell Oxidative Stress and Glycemic Deterioration in Mouse Models of Type 1 Diabetes. Diabetes, 2017, 66, 2875-2887.	0.3	34
42	Molecular mechanisms of nonalcoholic fatty liver disease: Potential role for 12-lipoxygenase. Journal of Diabetes and Its Complications, 2017, 31, 1630-1637.	1.2	30
43	Loss of Free Fatty Acid Receptor 2 leads to impaired islet mass and beta cell survival. Scientific Reports, 2016, 6, 28159.	1.6	33
44	Peroxisome Proliferator-activated Receptor-Î³ Activation Augments the Î²-Cell Unfolded Protein Response and Rescues Early Glycemic Deterioration and Î² Cell Death in Non-obese Diabetic Mice. Journal of Biological Chemistry, 2016, 291, 22524-22533.	1.6	18
45	Measurement of Differentially Methylated INS DNA Species in Human Serum Samples as a Biomarker of Islet β Cell Death. Journal of Visualized Experiments, 2016, , .	0.2	11
46	Sirtuin 6 regulates glucose-stimulated insulin secretion in mouse pancreatic beta cells. Diabetologia, 2016, 59, 151-160.	2.9	56
47	Elevations in Circulating Methylated and Unmethylated Preproinsulin DNA in New-Onset Type 1 Diabetes. Diabetes, 2015, 64, 3867-3872.	0.3	80
48	Minireview: 12-Lipoxygenase and Islet Î²-Cell Dysfunction in Diabetes. Molecular Endocrinology, 2015, 29, 791-800.	3.7	47
49	Transcriptional Activity of the Islet Î² Cell Factor Pdx1 Is Augmented by Lysine Methylation Catalyzed by the Methyltransferase Set7/9. Journal of Biological Chemistry, 2015, 290, 9812-9822.	1.6	37
50	Maintenance of Pdx1 mRNA Translation in Islet Î²-Cells During the Unfolded Protein Response. Molecular Endocrinology, 2014, 28, 1820-1830.	3.7	13
51	Protective effects of polyamine depletion in mouse models of type 1 diabetes: implications for therapy. Amino Acids, 2014, 46, 633-642.	1.2	32
52	12-Lipoxygenase Promotes Obesity-Induced Oxidative Stress in Pancreatic Islets. Molecular and Cellular Biology, 2014, 34, 3735-3745.	1.1	60
53	Detection of Islet Î²-Cell Death in Vivo by Multiplex PCR Analysis of Differentially Methylated DNA. Endocrinology, 2013, 154, 3476-3481.	1.4	42
54	Effects of combination therapy with dipeptidyl peptidase-IV and histone deacetylase inhibitors in the non-obese diabetic mouse model of type 1 diabetes. Clinical and Experimental Immunology, 2013, 172, 375-382.	1.1	37

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55	Divergent compensatory responses to high-fat diet between C57BL6/J and C57BLKS/J inbred mouse strains. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E1495-E1511.	1.8	44
56	Deoxyhypusine Synthase Promotes Differentiation and Proliferation of T Helper Type 1 (Th1) Cells in Autoimmune Diabetes. Journal of Biological Chemistry, 2013, 288, 36226-36235.	1.6	30
57	Deletion of 12/15-Lipoxygenase Alters Macrophage and Islet Function in NOD-Alox15null Mice, Leading to Protection against Type 1 Diabetes Development. PLoS ONE, 2013, 8, e56763.	1.1	40
58	Islet Î²-Cell Endoplasmic Reticulum Stress Precedes the Onset of Type 1 Diabetes in the Nonobese Diabetic Mouse Model. Diabetes, 2012, 61, 818-827.	0.3	299
59	Mouse Islet of Langerhans Isolation using a Combination of Purified Collagenase and Neutral Protease. Journal of Visualized Experiments, 2012, , .	0.2	76
60	Amelioration of type 1 diabetes following treatment of non-obese diabetic mice with INGAP and lisofylline. Journal of Diabetes Mellitus, 2012, 02, 251-257.	0.1	12
61	Deoxyhypusine synthase haploinsufficiency attenuates acute cytokine signaling. Cell Cycle, 2011, 10, 1043-1049.	1.3	22
62	Inhibition of Deoxyhypusine Synthase Enhances Islet Î² Cell Function and Survival in the Setting of Endoplasmic Reticulum Stress and Type 2 Diabetes. Journal of Biological Chemistry, 2010, 285, 39943-39952.	1.6	37
63	The unique hypusine modification of eIF5A promotes islet Î² cell inflammation and dysfunction in mice. Journal of Clinical Investigation, 2010, 120, 2156-2170.	3.9	144
64	Hypusine: a new target for therapeutic intervention in diabetic inflammation. Discovery Medicine, 2010, 10, 18-23.	0.5	23
65	Noninvasive assessment of pancreatic Î²-cell function in vivo with manganese-enhanced magnetic resonance imaging. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E573-E578.	1.8	71
66	Peroxisome Proliferator-Activated Receptor Î³ Activation Restores Islet Function in Diabetic Mice through Reduction of Endoplasmic Reticulum Stress and Maintenance of Euchromatin Structure. Molecular and Cellular Biology, 2009, 29, 2053-2067.	1.1	134
67	Nonobese Diabetic (NOD) Mice Congenic for a Targeted Deletion of 12/15-Lipoxygenase Are Protected From Autoimmune Diabetes. Diabetes, 2008, 57, 199-208.	0.3	82
68	The Effects of SOM230 on Cell Proliferation and Adrenocorticotropin Secretion in Human Corticotroph Pituitary Adenomas. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 4482-4488.	1.8	187
69	The Nhlh2 transcription factor is required for female sexual behavior and reproductive longevity. Hormones and Behavior, 2004, 46, 420-427.	1.0	15
70	Deoxyhypusine Synthase Promotes a Pro-Inflammatory Macrophage Phenotype. SSRN Electronic Journal, 0, , .	0.4	0