

# Susan J Burke

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,171  
citations

331670

21  
h-index

395702

33  
g-index

41  
all docs

41  
docs citations

41  
times ranked

2068  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic Responses to Dietary Protein Restriction Require an Increase in FGF21 that Is Delayed by the Absence of GCN2. <i>Cell Reports</i> , 2016, 16, 707-716.	6.4	146
2	NF- $\kappa$ B and STAT1 control CXCL1 and CXCL2 gene transcription. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E131-E149.	3.5	124
3	<i>db/db/db</i> Mice Exhibit Features of Human Type 2 Diabetes That Are Not Present in Weight-Matched C57BL/6J Mice Fed a Western Diet. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-17.	2.3	101
4	IL-1 $\beta$ reciprocally regulates chemokine and insulin secretion in pancreatic $\beta$ -cells via NF- $\kappa$ B. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E715-E726.	3.5	66
5	Pancreatic $\beta$ -Cell Death in Response to Pro-Inflammatory Cytokines Is Distinct from Genuine Apoptosis. <i>PLoS ONE</i> , 2011, 6, e22485.	2.5	65
6	Synergistic Expression of the CXCL10 Gene in Response to IL-1 $\beta$ and IFN- $\gamma$ Involves NF- $\kappa$ B, Phosphorylation of STAT1 at Tyr701, and Acetylation of Histones H3 and H4. <i>Journal of Immunology</i> , 2013, 191, 323-336.	0.8	50
7	Pancreatic deletion of the interleukin-1 receptor disrupts whole body glucose homeostasis and promotes islet $\beta$ -cell de-differentiation. <i>Molecular Metabolism</i> , 2018, 14, 95-107.	6.5	45
8	c-Myc and ChREBP regulate glucose-mediated expression of the L-type pyruvate kinase gene in INS-1-derived 832/13 cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E48-E56.	3.5	41
9	Regulation of iNOS Gene Transcription by IL-1 $\beta$ and IFN- $\gamma$ Requires a Coactivator Exchange Mechanism. <i>Molecular Endocrinology</i> , 2013, 27, 1724-1742.	3.7	39
10	CCL20 is elevated during obesity and differentially regulated by NF- $\kappa$ B subunits in pancreatic $\beta$ -cells. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015, 1849, 637-652.	1.9	37
11	Pancreatic islet inflammation: an emerging role for chemokines. <i>Journal of Molecular Endocrinology</i> , 2017, 59, R33-R46.	2.5	36
12	The effects of NOD activation on adipocyte differentiation. <i>Obesity</i> , 2013, 21, 737-747.	3.0	32
13	Transcription of the gene encoding TNF- $\alpha$ is increased by IL-1 $\beta$ in rat and human islets and $\beta$ -cell lines. <i>Molecular Immunology</i> , 2014, 62, 54-62.	2.2	32
14	Pancreatic $\beta$ -Cell production of CXCR3 ligands precedes diabetes onset. <i>BioFactors</i> , 2016, 42, 703-715.	5.4	32
15	cAMP opposes the glucose-mediated induction of the $\beta$ -PK gene by preventing the recruitment of a complex containing ChREBP, HNF4 $\alpha$ , and CBP. <i>FASEB Journal</i> , 2009, 23, 2855-2865.	0.5	31
16	Regulation of the CCL2 Gene in Pancreatic $\beta$ -Cells by IL-1 $\beta$ and Glucocorticoids: Role of MKP-1. <i>PLoS ONE</i> , 2012, 7, e46986.	2.5	29
17	The gene encoding cyclooxygenase-2 is regulated by IL-1 $\beta$ and prostaglandins in 832/13 rat insulinoma cells. <i>Cellular Immunology</i> , 2011, 271, 379-384.	3.0	27
18	Transcriptional Regulation of Chemokine Genes: A Link to Pancreatic Islet Inflammation?. <i>Biomolecules</i> , 2015, 5, 1020-1034.	4.0	24

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19	cAMP Prevents Glucose-Mediated Modifications of Histone H3 and Recruitment of the RNA Polymerase II Holoenzyme to the L-PK Gene Promoter. <i>Journal of Molecular Biology</i> , 2009, 392, 578-588.	4.2	23
20	Pancreatic Islet Responses to Metabolic Trauma. <i>Shock</i> , 2016, 46, 230-238.	2.1	23
21	Oral Corticosterone Administration Reduces Insulinitis but Promotes Insulin Resistance and Hyperglycemia in Male Nonobese Diabetic Mice. <i>American Journal of Pathology</i> , 2017, 187, 614-626.	3.8	23
22	An adenovirus-derived protein: A novel candidate for anti-diabetic drug development. <i>Biochimie</i> , 2016, 121, 140-150.	2.6	20
23	Lipid peroxidation regulates podocyte migration and cytoskeletal structure through redox sensitive RhoA signaling. <i>Redox Biology</i> , 2018, 16, 248-254.	9.0	20
24	Liquid Sucrose Consumption Promotes Obesity and Impairs Glucose Tolerance Without Altering Circulating Insulin Levels. <i>Obesity</i> , 2018, 26, 1188-1196.	3.0	19
25	One week of continuous corticosterone exposure impairs hepatic metabolic flexibility, promotes islet $\beta$ -cell proliferation, and reduces physical activity in male C57BL/6 mice. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 195, 105468.	2.5	14
26	Dietary polyherbal supplementation decreases CD3+ cell infiltration into pancreatic islets and prevents hyperglycemia in nonobese diabetic mice. <i>Nutrition Research</i> , 2015, 35, 328-336.	2.9	10
27	Thiobenzothiazole-modified Hydrocortisones Display Anti-inflammatory Activity with Reduced Impact on Islet $\beta$ -Cell Function. <i>Journal of Biological Chemistry</i> , 2015, 290, 13401-13416.	3.4	9
28	Sleep fragmentation delays wound healing in a mouse model of type 2 diabetes. <i>Sleep</i> , 2018, 41, .	1.1	9
29	Mechanisms of <i>Artemisia scoparia</i> 's Anti-inflammatory Activity in Cultured Adipocytes, Macrophages, and Pancreatic $\beta$ -Cells. <i>Obesity</i> , 2020, 28, 1726-1735.	3.0	8
30	Pancreatic, but not myeloid-cell, expression of interleukin-1alpha is required for maintenance of insulin secretion and whole body glucose homeostasis. <i>Molecular Metabolism</i> , 2021, 44, 101140.	6.5	8
31	$\beta$ -CGRP disrupts amylin fibrillization and regulates insulin secretion: implications on diabetes and migraine. <i>Chemical Science</i> , 2021, 12, 5853-5864.	7.4	6
32	Botanical Interventions to Improve Glucose Control and Options for Diabetes Therapy. <i>SN Comprehensive Clinical Medicine</i> , 2021, 3, 2465-2491.	0.6	5
33	Insulinitis and Diabetes: A Perspective on Islet Inflammation. <i>Immunome Research</i> , 2014, 01, .	0.1	4
34	Indirect, Non-Thermal Atmospheric Plasma Promotes Bacterial Killing in vitro and Wound Disinfection in vivo Using Monogenic and Polygenic Models of Type 2 Diabetes (Without Adverse Metabolic) <i>Tj ETQq0 0 0 rgBT 10 Overlock 10 Tf 50 1</i>	2.0	4
35	Pioglitazone Reverses Markers of Islet Beta-Cell De-Differentiation in db/db Mice While Modulating Expression of Genes Controlling Inflammation and Browning in White Adipose Tissue from Insulin-Resistant Mice and Humans. <i>Biomedicines</i> , 2021, 9, 1189.	3.2	3
36	<i>Artemisia dracunculul</i> L. Ethanolic Extract and an Isolated Component, DMC2, Ameliorate Inflammatory Signaling in Pancreatic $\beta$ -Cells via Inhibition of p38 MAPK. <i>Biomolecules</i> , 2022, 12, 708.	4.0	3

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37	The Effects of NOD Activation on Adipocyte Differentiation. Obesity, 0, , .	3.0	2
38	The Ubiquitin Ligase SIAH2 Negatively Regulates Glucocorticoid Receptor Activity and Abundance. Biomedicines, 2021, 9, 22.	3.2	2
39	What's New in Shock, November 2017?. Shock, 2017, 48, 501-503.	2.1	0
40	Hepatic IKK $\mu$ expression is dispensable for high-fat feeding-induced increases in liver lipid content and alterations in glucose tolerance. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E11-E21.	3.5	0