

# Rachel J Fenske

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

876  
citations

933447

10  
h-index

940533

16  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1518  
citing authors

#	ARTICLE	IF	CITATIONS
1	Systemic Metabolic Alterations Correlate with Islet-Level Prostaglandin E2 Production and Signaling Mechanisms That Predict $\beta$ -Cell Dysfunction in a Mouse Model of Type 2 Diabetes. <i>Metabolites</i> , 2021, 11, 58.	2.9	16
2	Rat prostaglandin EP3 receptor is highly promiscuous and is the sole prostanoid receptor family member that regulates INS $\beta$ (832/3) cell glucose-stimulated insulin secretion. <i>Pharmacology Research and Perspectives</i> , 2021, 9, e00736.	2.4	11
3	Human Islet Expression Levels of Prostaglandin E <sub>2</sub> Synthetic Enzymes, But Not Prostaglandin EP3 Receptor, Are Positively Correlated with Markers of $\beta$ -Cell Function and Mass in Nondiabetic Obesity. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1338-1348.	4.9	10
4	Prostaglandin EP3 receptor signaling is required to prevent insulin hypersecretion and metabolic dysfunction in a non-obese mouse model of insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 321, E479-E489.	3.5	4
5	Exploring diazoxide and continuous glucose monitoring as treatment for Glut1 deficiency syndrome. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 2205-2209.	3.7	8
6	Differential Expression of Ormdl Genes in the Islets of Mice and Humans with Obesity. <i>IScience</i> , 2020, 23, 101324.	4.1	9
7	Loss of $\beta$ -Cell $G\beta z$ protects against high-fat diet induced glucose intolerance by preserving incretin responsiveness and enhancing insulin secretion. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
8	Beta-cell-specific Loss of the Inhibitory G protein, $G\beta z$ , has Sex-dependent Effects on Development and Pathophysiology of Type 1 Diabetes. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
9	Increasing the dietary ratio of omega 3:omega 6 polyunsaturated fatty acids positively impacts inflammation and islet outcomes in Type 1 Diabetes. <i>FASEB Journal</i> , 2019, 33, 680.9.	0.5	0
10	Beta-cell-specific loss of the inhibitory G protein, $G\beta z$ , alters development and pathophysiology of Type 1 Diabetes. <i>FASEB Journal</i> , 2019, 33, 680.14.	0.5	0
11	Targeting dysfunctional beta-cell signaling for the potential treatment of type 1 diabetes mellitus. <i>Experimental Biology and Medicine</i> , 2018, 243, 586-591.	2.4	12
12	Restoration of metabolic health by decreased consumption of branched-chain amino acids. <i>Journal of Physiology</i> , 2018, 596, 623-645.	2.9	242
13	Age-Dependent Protection of Insulin Secretion in Diet Induced Obese Mice. <i>Scientific Reports</i> , 2018, 8, 17814.	3.3	16
14	Beta-cell-specific loss of the inhibitory G protein, $G\beta z$ , prevents development of Type 1 Diabetes in NOD mice.. <i>FASEB Journal</i> , 2018, 32, 661.5.	0.5	0
15	Enriching Islet Phospholipids With Eicosapentaenoic Acid Reduces Prostaglandin E2 Signaling and Enhances Diabetic $\beta$ -Cell Function. <i>Diabetes</i> , 2017, 66, 1572-1585.	0.6	41
16	The Inhibitory G Protein $\beta$ -Subunit, $G\beta z$ , Promotes Type 1 Diabetes-Like Pathophysiology in NOD Mice. <i>Endocrinology</i> , 2017, 158, 1645-1658.	2.8	21
17	Radiomanganese PET Detects Changes in Functional $\beta$ -Cell Mass in Mouse Models of Diabetes. <i>Diabetes</i> , 2017, 66, 2163-2174.	0.6	32
18	Dietary polyunsaturated fatty acids and their metabolites: Implications for diabetes pathophysiology, prevention, and treatment. <i>Nutrition and Healthy Aging</i> , 2017, 4, 127-140.	1.1	14

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19	Synergy Between $G\hat{1}\pm z$ Deficiency and GLP-1 Analog Treatment in Preserving Functional $\hat{I}^2$ -Cell Mass in Experimental Diabetes. <i>Molecular Endocrinology</i> , 2016, 30, 543-556.	3.7	26
20	Decreased Consumption of Branched-Chain Amino Acids Improves Metabolic Health. <i>Cell Reports</i> , 2016, 16, 520-530.	6.4	334
21	Phenotypic Characterization of MIP-CreERT1Lphi Mice With Transgene-Driven Islet Expression of Human Growth Hormone. <i>Diabetes</i> , 2015, 64, 3798-3807.	0.6	77