

Sasanka Ramanadham

List of Publications by Year in descending order

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126708

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docs citations

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times ranked

14854
citing authors

#	ARTICLE	IF	CITATIONS
1	Ca ²⁺ -independent phospholipase A ₂ ^{Î²} -derived PGE ₂ contributes to osteogenesis. Prostaglandins and Other Lipid Mediators, 2022, 158, 106605.	1.0	1
2	Targeting Acid Ceramidase Inhibits Glioblastoma Cell Migration through Decreased AKT Signaling. Cells, 2022, 11, 1873.	1.8	9
3	Extracellular vesicles in Î² cell biology: Role of lipids in vesicle biogenesis, cargo, and intercellular signaling. Molecular Metabolism, 2022, 63, 101545.	3.0	7
4	The Impact of the Ca ²⁺ -Independent Phospholipase A ₂ ^{Î²} (iPLA ₂ ^{Î²}) on Immune Cells. Biomolecules, 2021, 11, 577.	1.8	1
5	Alterations in Î²-Cell Sphingolipid Profile Associated with ER Stress and iPLA ₂ ^{Î²} : Another Contributor to Î²-Cell Apoptosis in Type 1 Diabetes. Molecules, 2021, 26, 6361.	1.7	2
6	Macrophage polarization is linked to Ca ²⁺ -independent phospholipase A ₂ ^{Î²} -derived lipids and cross-cell signaling in mice. Journal of Lipid Research, 2020, 61, 143-158.	2.0	17
7	Saturated Hydroxy Fatty Acids Exhibit a Cell Growth Inhibitory Activity and Suppress the Cytokine-Induced Î²-Cell Apoptosis. Journal of Medicinal Chemistry, 2020, 63, 12666-12681.	2.9	15
8	Metabolic Effects of Selective Deletion of Group VIA Phospholipase A ₂ from Macrophages or Pancreatic Islet Beta-Cells. Biomolecules, 2020, 10, 1455.	1.8	8
9	Lipid mediators and biomarkers associated with type 1 diabetes development. JCI Insight, 2020, 5, .	2.3	15
10	Promiscuity of the catalytic Sec7 domain within the guanine nucleotide exchange factor GBF1 in ARF activation, Golgi homeostasis, and effector recruitment. Molecular Biology of the Cell, 2019, 30, 1523-1535.	0.9	10
11	Î²-Lactones: A Novel Class of Ca ²⁺ -Independent Phospholipase A ₂ (Group VIA iPLA ₂) Inhibitors with the Ability To Inhibit Î²-Cell Apoptosis. Journal of Medicinal Chemistry, 2019, 62, 2916-2927.	2.9	6
12	iPLA ₂ ^{Î²} and its role in male fertility, neurological disorders, metabolic disorders, and inflammation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 846-860.	1.2	30
13	Polarization of Macrophages toward M2 Phenotype Is Favored by Reduction in iPLA ₂ ^{Î²} (Group VIA) Tj ETQq1 1 0.784314 rgBT /Overlo	1.6	38
14	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
15	Inhibition of Ca ²⁺ -Independent Phospholipase A ₂ ^{Î²} (iPLA ₂ ^{Î²}) Ameliorates Islet Infiltration and Incidence of Diabetes in NOD Mice. Diabetes, 2015, 64, 541-554.	0.3	42
16	Group VIA Phospholipase A ₂ (iPLA ₂ ^{Î²}) Modulates Bcl-x 5â€™-Splice Site Selection and Suppresses Anti-apoptotic Bcl-x(L) in Î²-Cells. Journal of Biological Chemistry, 2015, 290, 11021-11031.	1.6	17
17	Calcium-independent phospholipases A ₂ and their roles in biological processes and diseases. Journal of Lipid Research, 2015, 56, 1643-1668.	2.0	151
18	Novel effects of Brefeldin A (BFA) in signaling through the insulin receptor (IR) pathway and regulating FoxO1-mediated transcription. Cellular Logistics, 2014, 4, e27732.	0.9	6

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19	Evidence of Contribution of iPLA ² -Mediated Events During Islet β -Cell Apoptosis Due to Proinflammatory Cytokines Suggests a Role for iPLA ² in T1D Development. <i>Endocrinology</i> , 2014, 155, 3352-3364.	1.4	23
20	Dysfunctional mitochondrial bioenergetics and oxidative stress in Akita ^{+/Ins2} -derived β -cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E585-E599.	1.8	39
21	Genetic modulation of islet β -cell iPLA ₂ ² expression provides evidence for its impact on β -cell apoptosis and autophagy. <i>Islets</i> , 2013, 5, 29-44.	0.9	27
22	Characterization of FKGL18 as Inhibitor of Group VIA Ca ²⁺ -Independent Phospholipase A2 (iPLA ²): Candidate Drug for Preventing Beta-Cell Apoptosis and Diabetes. <i>PLoS ONE</i> , 2013, 8, e71748.	1.1	28
23	Role of calcium-independent phospholipase A ₂ ² in human pancreatic islet β -cell apoptosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E1386-E1395.	1.8	29
24	Spontaneous Development of Endoplasmic Reticulum Stress That Can Lead to Diabetes Mellitus Is Associated with Higher Calcium-independent Phospholipase A2 Expression. <i>Journal of Biological Chemistry</i> , 2010, 285, 6693-6705.	1.6	54
25	Group VIA Ca ²⁺ -independent phospholipase A2 (iPLA ²) and its role in β -cell programmed cell death. <i>Biochimie</i> , 2010, 92, 627-637.	1.3	48
26	Evidence for proteolytic processing and stimulated organelle redistribution of iPLA ² . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 547-558.	1.2	28
27	Age-Related Changes in Bone Morphology Are Accelerated in Group VIA Phospholipase A2 (iPLA ²)-Null Mice. <i>American Journal of Pathology</i> , 2008, 172, 868-881.	1.9	55
28	Calcium-independent Phospholipase A2 (iPLA ²)-mediated Ceramide Generation Plays a Key Role in the Cross-talk between the Endoplasmic Reticulum (ER) and Mitochondria during ER Stress-induced Insulin-secreting Cell Apoptosis. <i>Journal of Biological Chemistry</i> , 2008, 283, 34819-34832.	1.6	80
29	Attenuated Free Cholesterol Loading-induced Apoptosis but Preserved Phospholipid Composition of Peritoneal Macrophages from Mice That Do Not Express Group VIA Phospholipase A2. <i>Journal of Biological Chemistry</i> , 2007, 282, 27100-27114.	1.6	50
30	The Group VIA Calcium-Independent Phospholipase A ₂ Participates in ER Stress-Induced INS-1 Insulinoma Cell Apoptosis by Promoting Ceramide Generation via Hydrolysis of Sphingomyelins by Neutral Sphingomyelinase. <i>Biochemistry</i> , 2007, 46, 10170-10185.	1.2	74
31	A Bromoenol Lactone Suicide Substrate Inactivates Group VIA Phospholipase A2 by Generating a Diffusible Bromomethyl Keto Acid That Alkylates Cysteine Thiols. <i>Biochemistry</i> , 2006, 45, 1061-1073.	1.2	53
32	Effects of Stable Suppression of Group VIA Phospholipase A2 Expression on Phospholipid Content and Composition, Insulin Secretion, and Proliferation of INS-1 Insulinoma Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 187-198.	1.6	60
33	Insulin Secretory Responses and Phospholipid Composition of Pancreatic Islets from Mice That Do Not Express Group VIA Phospholipase A2 and Effects of Metabolic Stress on Glucose Homeostasis. <i>Journal of Biological Chemistry</i> , 2006, 281, 20958-20973.	1.6	86
34	Group VIA Phospholipase A2 Forms a Signaling Complex with the Calcium/Calmodulin-dependent Protein Kinase β Expressed in Pancreatic Islet β -Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 6840-6849.	1.6	39
35	β -Cell Calcium-Independent Group VIA Phospholipase A2 (iPLA ²): Tracking iPLA ² Movements in Response to Stimulation With Insulin Secretagogues in INS-1 Cells. <i>Diabetes</i> , 2004, 53, S186-S189.	0.3	34
36	Male Mice That Do Not Express Group VIA Phospholipase A2 Produce Spermatozoa with Impaired Motility and Have Greatly Reduced Fertility. <i>Journal of Biological Chemistry</i> , 2004, 279, 38194-38200.	1.6	153

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37	Islet Complex Lipids: Involvement in the Actions of Group VIA Calcium-Independent Phospholipase A2 in β -Cells. <i>Diabetes</i> , 2004, 53, S179-S185.	0.3	25
38	Apoptosis of Insulin-Secreting Cells Induced by Endoplasmic Reticulum Stress Is Amplified by Overexpression of Group VIA Calcium-Independent Phospholipase A2 (iPLA2 β) and Suppressed by Inhibition of iPLA2 β . <i>Biochemistry</i> , 2004, 43, 918-930.	1.2	93
39	Pancreatic Islets and Insulinoma Cells Express a Novel Isoform of Group VIA Phospholipase A2 (iPLA2 β) that Participates in Glucose-Stimulated Insulin Secretion and Is Not Produced by Alternate Splicing of the iPLA2 β Transcript. <i>Biochemistry</i> , 2003, 42, 13929-13940.	1.2	38
40	Δ^6 , Stearoyl CoA-, and Δ^5 -desaturase enzymes are expressed in β -cells and are altered by increases in exogenous PUFA concentrations. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2002, 1580, 40-56.	1.2	18
41	Stimulation of insulin secretion and associated nuclear accumulation of iPLA β in INS-1 insulinoma cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002, 282, E820-E833.	1.8	34
42	Studies of phospholipid metabolism, proliferation, and secretion of stably transfected insulinoma cells that overexpress group VIA phospholipase A2. <i>Lipids</i> , 2001, 36, 689-700.	0.7	46
43	Studies of Insulin Secretory Responses and of Arachidonic Acid Incorporation into Phospholipids of Stably Transfected Insulinoma Cells That Overexpress Group VIA Phospholipase A2(iPLA2 β) Indicate a Signaling Rather Than a Housekeeping Role for iPLA2 β . <i>Journal of Biological Chemistry</i> , 2001, 276, 13198-13208.	1.6	74
44	Electrospray ionization mass spectrometric analyses of changes in tissue phospholipid molecular species during the evolution of hyperlipidemia and hyperglycemia in Zucker diabetic fatty rats. <i>Lipids</i> , 2000, 35, 839-852.	0.7	30
45	Electrospray Ionization/Mass Spectrometric Analyses of Human Promonocytic U937 Cell Glycerolipids and Evidence That Differentiation Is Associated with Membrane Lipid Composition Changes That Facilitate Phospholipase A2 Activation. <i>Journal of Biological Chemistry</i> , 2000, 275, 16579-16589.	1.6	69
46	Human Pancreatic Islets Express mRNA Species Encoding Two Distinct Catalytically Active Isoforms of Group VI Phospholipase A2 (iPLA2) That Arise from an Exon-skipping Mechanism of Alternative Splicing of the Transcript from the iPLA2 Gene on Chromosome 22q13.1. <i>Journal of Biological Chemistry</i> , 1999, 274, 9607-9616.	1.6	96
47	Studies of the Role of Group VI Phospholipase A2 in Fatty Acid Incorporation, Phospholipid Remodeling, Lysophosphatidylcholine Generation, and Secretagogue-induced Arachidonic Acid Release in Pancreatic Islets and Insulinoma Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 13915-13927.	1.6	101
48	Electrospray Ionization Mass Spectrometric Analyses of Phospholipids from Rat and Human Pancreatic Islets and Subcellular Membranes: A Comparison to Other Tissues and Implications for Membrane Fusion in Insulin Exocytosis. <i>Biochemistry</i> , 1998, 37, 4553-4567.	1.2	79
49	Mass Spectrometric Evidence That Agents That Cause Loss of Ca $^{2+}$ from Intracellular Compartments Induce Hydrolysis of Arachidonic Acid from Pancreatic Islet Membrane Phospholipids by a Mechanism That Does Not Require a Rise in Cytosolic Ca $^{2+}$ Concentration**This work was supported by U.S. Public Health Service grants PO1-HL57278, P41-RR-00954, and S10-RR-11260 and by an American Diabetes Association Career Development Award (S.R.). <i>Endocrinology</i> , 1998, 139, 4073-4085.	1.4	55
50	Pancreatic Islets Express a Ca $^{2+}$ -independent Phospholipase A2 Enzyme That Contains a Repeated Structural Motif Homologous to the Integral Membrane Protein Binding Domain of Ankyrin. <i>Journal of Biological Chemistry</i> , 1997, 272, 11118-11127.	1.6	95
51	Evidence for Association of an ATP-Stimulatable Ca $^{2+}$ -Independent Phospholipase A2 from Pancreatic Islets and HIT Insulinoma Cells with a Phosphofructokinase-like Protein. <i>Biochemistry</i> , 1996, 35, 5464-5471.	1.2	22
52	Interleukin-1 Enhances Pancreatic Islet Arachidonic Acid 12-Lipoxygenase Product Generation by Increasing Substrate Availability through a Nitric Oxide-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 1996, 271, 1029-1042.	1.6	52
53	Characterization of an ATP-stimulatable calcium $^{2+}$ independent phospholipase A2 from clonal insulin-secreting HIT cells and rat pancreatic islets: a possible molecular component of the β -cell fuel sensor. <i>Biochemistry</i> , 1994, 33, 7442-7452.	1.2	67
54	Inhibition of arachidonate release by secretagogue-stimulated pancreatic islets suppresses both insulin secretion and the rise in β -cell cytosolic calcium ion concentration. <i>Biochemistry</i> , 1993, 32, 337-346.	1.2	132

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55	Mass spectrometric identification and quantitation of arachidonate-containing phospholipids in pancreatic islets: Prominence of plasmylethanolamine molecular species. <i>Biochemistry</i> , 1993, 32, 5339-5351.	1.2	78
56	Rat and human pancreatic islet cells contain a calcium ion independent phospholipase A2 activity selective for hydrolysis of arachidonate which is stimulated by adenosine triphosphate and is specifically localized to islet .beta.-cells. <i>Biochemistry</i> , 1993, 32, 327-336.	1.2	123
57	Mass spectrometric characterization of arachidonate-containing plasmalogens in human pancreatic islets and in rat islet .beta.-cells and subcellular membranes. <i>Biochemistry</i> , 1993, 32, 13499-13509.	1.2	61
58	Arachidonic acid metabolism in isolated pancreatic islets VI. Carbohydrate insulin secretagogues must be metabolized to induce eicosanoid release. <i>Lipids and Lipid Metabolism</i> , 1992, 1125, 280-291.	2.6	25
59	Arachidonic acid induces an increase in the cytosolic calcium concentration in single pancreatic islet beta cells. <i>Biochemical and Biophysical Research Communications</i> , 1992, 184, 647-653.	1.0	87