

# Anjaneyulu Kowluru

## List of Publications by Year in descending order

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133  
papers

3,651  
citations

101384

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182168

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Underappreciated roles for Rho GDP dissociation inhibitors (RhoGDIs) in cell function: Lessons learned from the pancreatic islet $\beta$ -cell. <i>Biochemical Pharmacology</i> , 2022, 197, 114886.	2.0	6
2	CARD9 Mediates Pancreatic Islet Beta-Cell Dysfunction Under the Duress of Hyperglycemic Stress. <i>Cellular Physiology and Biochemistry</i> , 2022, 56, 120-137.	1.1	5
3	Roles of GTP and Rho GTPases in pancreatic islet beta cell function and dysfunction. <i>Small GTPases</i> , 2021, 12, 323-335.	0.7	6
4	Paradoxical regulation of glucose-induced Rac1 activation and insulin secretion by RhoGDI $\beta$ in pancreatic $\beta$ -cells. <i>Small GTPases</i> , 2021, 12, 114-121.	0.7	12
5	RhoG-Rac1 Signaling Pathway Mediates Metabolic Dysfunction of the Pancreatic Beta-Cells Under Chronic Hyperglycemic Conditions.. <i>Cellular Physiology and Biochemistry</i> , 2021, 55, 180-192.	1.1	6
6	Metformin Increases Protein Phosphatase 2A Activity in Primary Human Skeletal Muscle Cells Derived from Lean Healthy Participants. <i>Journal of Diabetes Research</i> , 2021, 2021, 1-6.	1.0	4
7	Multiple Guanine Nucleotide Exchange Factors Mediate Glucose-Induced Rac1 Activation and Insulin Secretion: Is It Precise Regulatory Control or a Case of Two Peas from the Same Pod?. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1702-1704.	2.5	4
8	Novel Role of GPR35 (G-Proteinâ€‘Coupled Receptor 35) in the Regulation of Endothelial Cell Function and Blood Pressure. <i>Hypertension</i> , 2021, 78, 816-830.	1.3	8
9	CARD9 mediates glucose-stimulated insulin secretion in pancreatic beta cells. <i>Biochemical Pharmacology</i> , 2021, 192, 114670.	2.0	3
10	Oxidative Stress in Cytokine-Induced Dysfunction of the Pancreatic Beta Cell: Known Knowns and Known Unknowns. <i>Metabolites</i> , 2020, 10, 480.	1.3	18
11	GPCRs, G Proteins, and Their Impact on $\beta$ -cell Function. , 2020, 10, 453-490.		18
12	Potential roles of PP2A-Rac1 signaling axis in pancreatic $\beta$ -cell dysfunction under metabolic stress: Progress and promise. <i>Biochemical Pharmacology</i> , 2020, 180, 114138.	2.0	5
13	Kinome Profiling Reveals Abnormal Activity of Kinases in Skeletal Muscle From Adults With Obesity and Insulin Resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 644-659.	1.8	9
14	P-Rex1 Mediates Glucose-Stimulated Rac1 Activation and Insulin Secretion in Pancreatic $\beta$ -Cells. <i>Cellular Physiology and Biochemistry</i> , 2020, 54, 1218-1230.	1.1	10
15	Quantitative proteomics reveals novel interaction partners of Rac1 in pancreatic $\beta$ -cells: Evidence for increased interaction with Rac1 under hyperglycemic conditions. <i>Molecular and Cellular Endocrinology</i> , 2019, 494, 110489.	1.6	13
16	CD36 mediates lipid accumulation in pancreatic beta cells under the duress of glucolipotoxic conditions: Novel roles of lysine deacetylases. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 2221-2226.	1.0	25
17	RACking up ceramide-induced islet $\beta$ -cell dysfunction. <i>Biochemical Pharmacology</i> , 2018, 154, 161-169.	2.0	19
18	Epigenetics and Regulation of Oxidative Stress in Diabetic Retinopathy. , 2018, 59, 4831.		70

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19	Tiam1/Mav2-Rac1 axis: A tug-of-war between islet function and dysfunction. <i>Biochemical Pharmacology</i> , 2017, 132, 9-17.	2.0	31
20	Exposure to chronic hyperglycemic conditions results in Ras-related C3 botulinum toxin substrate 1 (Rac1)-mediated activation of p53 and ATM kinase in pancreatic $\beta$ -cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017, 22, 597-607.	2.2	20
21	Glucotoxicity promotes aberrant activation and mislocalization of Ras-related C3 botulinum toxin substrate 1 [Rac1] and metabolic dysfunction in pancreatic islet $\beta$ -cells: reversal of such metabolic defects by metformin. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017, 22, 1380-1393.	2.2	22
22	Role of Gα <sub>s</sub> proteins in islet function in health and diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2017, 19, 63-75.	2.2	28
23	Inappropriate movement of Rac1 contributes to glucotoxicity of the islet $\beta$ -cell. <i>Cell Cycle</i> , 2017, 16, 1387-1388.	1.3	9
24	The Regulatory Roles of Mitogen-Activated Protein Kinase (MAPK) Pathways in Health and Diabetes: Lessons Learned from the Pancreatic $\beta$ -Cell. <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2017, 10, 76-84.	0.7	54
25	NSC23766, a Known Inhibitor of Tiam1-Rac1 Signaling Module, Prevents the Onset of Type 1 Diabetes in the NOD Mouse Model. <i>Cellular Physiology and Biochemistry</i> , 2016, 39, 760-767.	1.1	32
26	A lack of $\beta$ -glucuronidase misplaces $\langle \text{scp} \rangle \text{Rab27A} \langle / \text{scp} \rangle$ to cause islet dysfunction in diabetes. <i>Journal of Pathology</i> , 2016, 238, 375-377.	2.1	11
27	Hyperlipidemia and the development of diabetic retinopathy: Comparison between type 1 and type 2 animal models. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 1570-1581.	1.5	56
28	Metabolic Stress Induces Caspase-3 Mediated Degradation and Inactivation of Farnesyl and Geranylgeranyl Transferase Activities in Pancreatic $\beta$ -Cells. <i>Cellular Physiology and Biochemistry</i> , 2016, 39, 2110-2120.	1.1	28
29	Quantitative proteomics reveals novel protein interaction partners of PP2A catalytic subunit in pancreatic $\beta$ -cells. <i>Molecular and Cellular Endocrinology</i> , 2016, 424, 1-11.	1.6	12
30	EHT 1864, a small molecule inhibitor of Ras-related C3 botulinum toxin substrate 1 (Rac1), attenuates glucose-stimulated insulin secretion in pancreatic $\beta$ -cells. <i>Cellular Signalling</i> , 2015, 27, 1159-1167.	1.7	13
31	VAV2, a guanine nucleotide exchange factor for Rac1, regulates glucose-stimulated insulin secretion in pancreatic beta cells. <i>Diabetologia</i> , 2015, 58, 2573-2581.	2.9	34
32	Protein prenylation in islet $\beta$ -cell function in health and diabetes: Putting the pieces of the puzzle together. <i>Biochemical Pharmacology</i> , 2015, 98, 363-370.	2.0	15
33	COPII-Dependent ER Export: A Critical Component of Insulin Biogenesis and $\beta$ -Cell ER Homeostasis. <i>Molecular Endocrinology</i> , 2015, 29, 1156-1169.	3.7	30
34	Phagocyte-like NADPH oxidase (Nox2) promotes activation of p38MAPK in pancreatic $\beta$ -cells under glucotoxic conditions: Evidence for a requisite role of Ras-related C3 botulinum toxin substrate 1 (Rac1). <i>Biochemical Pharmacology</i> , 2015, 95, 301-310.	2.0	36
35	Tiam1-Rac1 Axis Promotes Activation of p38 MAP Kinase in the Development of Diabetic Retinopathy: Evidence for a Requisite Role for Protein Palmitoylation. <i>Cellular Physiology and Biochemistry</i> , 2015, 36, 208-220.	1.1	45
36	Biology and Regulatory Roles of Nuclear Lamins in Cellular Function and Dysfunction. <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2015, 9, 111-120.	0.7	9

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37	High Glucose Exposure Promotes Activation of Protein Phosphatase 2A in Rodent Islets and INS-1 832/13 $\beta$ -Cells by Increasing the Posttranslational Carboxymethylation of Its Catalytic Subunit. <i>Endocrinology</i> , 2014, 155, 380-391.	1.4	30
38	On a sugary-relationship between caspases and lamins. <i>Cell Cycle</i> , 2014, 13, 3787-3788.	1.3	1
39	Phagocyte-like NADPH oxidase [Nox2] in cellular dysfunction in models of glucolipotoxicity and diabetes. <i>Biochemical Pharmacology</i> , 2014, 88, 275-283.	2.0	66
40	TIAM1-RAC1 signalling axis-mediated activation of NADPH oxidase-2 initiates mitochondrial damage in the development of diabetic retinopathy. <i>Diabetologia</i> , 2014, 57, 1047-1056.	2.9	114
41	Glucotoxic and diabetic conditions induce caspase 6-mediated degradation of nuclear lamin A in human islets, rodent islets and INS-1 832/13 cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2014, 19, 1691-1701.	2.2	17
42	Deoxysphingolipids: $\beta$ -Cell, Beware of These New Kids on the Block. <i>Diabetes</i> , 2014, 63, 1191-1193.	0.3	1
43	Nifedipine prevents etoposide-induced caspase-3 activation, prenyl transferase degradation and loss in cell viability in pancreatic $\beta$ -cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2013, 18, 1-8.	2.2	13
44	Glucotoxic conditions induce endoplasmic reticulum stress to cause caspase 3 mediated lamin B degradation in pancreatic $\beta$ -cells: Protection by nifedipine. <i>Biochemical Pharmacology</i> , 2013, 86, 1338-1346.	2.0	36
45	Upregulation of phagocyte-like NADPH oxidase by cytokines in pancreatic beta-cells: Attenuation of oxidative and nitrosative stress by 2-bromopalmitate. <i>Biochemical Pharmacology</i> , 2013, 85, 109-114.	2.0	39
46	Activation of apocynin-sensitive NADPH oxidase (Nox2) activity in INS-1 832/13 cells under glucotoxic conditions. <i>Islets</i> , 2013, 5, 129-131.	0.9	16
47	Nm23-H1 Regulates Glucose-Stimulated Insulin Secretion in Pancreatic $\beta$ -Cells via Arf6-Rac1 Signaling Axis. <i>Cellular Physiology and Biochemistry</i> , 2013, 32, 533-541.	1.1	11
48	The Two Faces of Protein Palmitoylation in Islet $\beta$ -Cell Function: Potential Implications in the Pathophysiology of Islet Metabolic Dysregulation and Diabetes. <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2013, 7, 203-212.	0.7	11
49	Protein farnesylation is requisite for mitochondrial fuel-induced insulin release. <i>Islets</i> , 2012, 4, 74-77.	0.9	12
50	Rab-geranylgeranyl transferase regulates glucose-stimulated insulin secretion from pancreatic $\beta$ cells. <i>Islets</i> , 2012, 4, 354-358.	0.9	20
51	Phagocytic NADPH Oxidase Links ARNO-Arf6 Signaling Pathway in Glucose-Stimulated Insulin Secretion from the Pancreatic $\beta$ -Cell. <i>Cellular Physiology and Biochemistry</i> , 2012, 30, 1351-1362.	1.1	9
52	L-threo-6-pyridinium-ceramide Bromide, a Novel Cationic Ceramide, Induces NADPH Oxidase Activation, Mitochondrial Dysfunction and Loss in Cell Viability in INS 832/13 $\beta$ -cells. <i>Cellular Physiology and Biochemistry</i> , 2012, 30, 1051-1058.	1.1	14
53	Hyperactivation of protein phosphatase 2A in models of glucolipotoxicity and diabetes: Potential mechanisms and functional consequences. <i>Biochemical Pharmacology</i> , 2012, 84, 591-597.	2.0	64
54	Arf nucleotide binding site opener [ARNO] promotes sequential activation of Arf6, Cdc42 and Rac1 and insulin secretion in INS 832/13 $\beta$ -cells and rat islets. <i>Biochemical Pharmacology</i> , 2011, 81, 1016-1027.	2.0	46

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55	Friendly, and not so friendly, roles of Rac1 in islet $\beta$ -cell function: Lessons learnt from pharmacological and molecular biological approaches. <i>Biochemical Pharmacology</i> , 2011, 81, 965-975.	2.0	64
56	A farnesylated G-protein suppresses Akt phosphorylation in INS 832/13 cells and normal rat islets: Regulation by pertussis toxin and PGE2. <i>Biochemical Pharmacology</i> , 2011, 81, 1237-1247.	2.0	7
57	Protein histidine [de]phosphorylation in insulin secretion: abnormalities in models of impaired insulin secretion. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011, 384, 383-390.	1.4	3
58	Regulation of insulin secretion and reactive oxygen species production by free fatty acids in pancreatic islets. <i>Islets</i> , 2011, 3, 213-223.	0.9	57
59	Increased Phagocyte-Like NADPH Oxidase and ROS Generation in Type 2 Diabetic ZDF Rat and Human Islets. <i>Diabetes</i> , 2011, 60, 2843-2852.	0.3	102
60	Isoprenylcysteine carboxyl methyltransferase facilitates glucose-induced Rac1 activation, ROS generation and insulin secretion in INS 832/13 $\beta$ -cells. <i>Islets</i> , 2011, 3, 48-57.	0.9	8
61	Phagocyte-like NADPH oxidase promotes cytokine-induced mitochondrial dysfunction in pancreatic $\beta$ -cells: evidence for regulation by Rac1. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R12-R20.	0.9	58
62	Phagocyte-like NADPH oxidase generates ROS in INS 832/13 cells and rat islets: role of protein prenylation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R756-R762.	0.9	43
63	Tiam1/Rac1 signaling pathway mediates palmitate-induced, ceramide-sensitive generation of superoxides and lipid peroxides and the loss of mitochondrial membrane potential in pancreatic $\beta$ -cells. <i>Biochemical Pharmacology</i> , 2010, 80, 874-883.	2.0	63
64	Protein Farnesylation-Dependent Raf/Extracellular Signal-Related Kinase Signaling Links to Cytoskeletal Remodeling to Facilitate Glucose-Induced Insulin Secretion in Pancreatic $\beta$ -Cells. <i>Diabetes</i> , 2010, 59, 967-977.	0.3	47
65	Regulation of glucose- and mitochondrial fuel-induced insulin secretion by a cytosolic protein histidine phosphatase in pancreatic $\beta$ -cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 299, E276-E286.	1.8	15
66	Small G Proteins in Islet $\beta$ -Cell Function. <i>Endocrine Reviews</i> , 2010, 31, 52-78.	8.9	112
67	Glucose activates prenyltransferases in pancreatic islet $\beta$ -cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 895-898.	1.0	31
68	A novel histone deacetylase inhibitor prevents IL-1 $\beta$ induced metabolic dysfunction in pancreatic $\beta$ -cells. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 1877-1885.	1.6	31
69	Regulatory roles for Tiam1, a guanine nucleotide exchange factor for Rac1, in glucose-stimulated insulin secretion in pancreatic $\beta$ -cells. <i>Biochemical Pharmacology</i> , 2009, 77, 101-113.	2.0	54
70	Down-regulation of expression and function of nucleoside diphosphate kinase in insulin-secreting $\beta$ -cells under in vitro conditions of glucolipotoxicity. <i>Molecular and Cellular Biochemistry</i> , 2009, 329, 121-129.	1.4	17
71	Protein prenylation in glucose-induced insulin secretion from the pancreatic islet $\beta$ cell: a perspective. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 164-173.	1.6	29
72	Bridging the gap between protein carboxyl methylation and phospholipid methylation to understand glucose-stimulated insulin secretion from the pancreatic $\beta$ cell. <i>Biochemical Pharmacology</i> , 2008, 75, 335-345.	2.0	1

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73	Regulatory roles for histone deacetylation in IL-1 $\beta$ -induced nitric oxide release in pancreatic $\beta$ -cells. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 1571-1583.	1.6	18
74	Emerging roles for protein histidine phosphorylation in cellular signal transduction: lessons from the islet $\beta$ -cell. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 1885-1908.	1.6	18
75	Dominant-Negative $\beta$ -Subunit of Farnesyl- and Geranyltransferase Inhibits Glucose-Stimulated, but Not KCl-Stimulated, Insulin Secretion in INS 832/13 Cells. <i>Diabetes</i> , 2007, 56, 204-210.	0.3	47
76	Biologically active lipids promote trafficking and membrane association of Rac1 in insulin-secreting INS 832/13 cells. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C1216-C1220.	2.1	33
77	Depletion of the catalytic subunit of protein phosphatase-2A (PP2Ac) markedly attenuates glucose-stimulated insulin secretion in pancreatic $\beta$ -cells. <i>Endocrine</i> , 2007, 31, 248-253.	2.2	9
78	siRNA-mediated depletion of endogenous protein phosphatase 2A $\beta$ markedly attenuates ceramide-activated protein phosphatase activity in insulin-secreting INS-832/13 cells. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 649-652.	1.0	8
79	Regulatory roles for nm23/nucleoside diphosphate kinase-like enzymes in insulin secretion from the pancreatic islet beta cell. <i>Journal of Bioenergetics and Biomembranes</i> , 2006, 38, 227-232.	1.0	9
80	Localization of a nuclear serine/threonine protein phosphatase in insulin-secreting INS-1 cells: potential regulation by IL-1 $\beta$ . <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 1401-1411.	2.2	9
81	Further Evidence for the Regulation of Acetyl-CoA Carboxylase Activity by a Glutamate- and Magnesium-Activated Protein Phosphatase in the Pancreatic $\beta$ Cell: Defective Regulation in the Diabetic GK Rat Islet. <i>Endocrine</i> , 2005, 26, 071-078.	2.2	11
82	Novel regulatory roles for protein phosphatase-2A in the islet $\beta$ cell. <i>Biochemical Pharmacology</i> , 2005, 69, 1681-1691.	2.0	30
83	Ceramide induces mitochondrial abnormalities in insulin-secreting INS-1 cells: Potential mechanisms underlying ceramide-mediated metabolic dysfunction of the $\beta$ cell. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2005, 10, 841-850.	2.2	49
84	Rho Guanosine Diphosphate-Dissociation Inhibitor Plays a Negative Modulatory Role in Glucose-Stimulated Insulin Secretion. <i>Diabetes</i> , 2005, 54, 3523-3529.	0.3	58
85	Essential Role for Membrane Lipid Rafts in Interleukin-1 $\beta$ -Induced Nitric Oxide Release From Insulin-Secreting Cells: Potential Regulation by Caveolin-1+. <i>Diabetes</i> , 2005, 54, 2576-2585.	0.3	33
86	Regulation by glucose and calcium of the carboxymethylation of the catalytic subunit of protein phosphatase 2A in insulin-secreting INS-1 cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 286, E1032-E1041.	1.8	27
87	Potential Contributory Role of H-Ras, a Small G-Protein, in the Development of Retinopathy in Diabetic Rats. <i>Diabetes</i> , 2004, 53, 775-783.	0.3	48
88	Novel regulation by Rac1 of glucose- and forskolin-induced insulin secretion in INS-1 $\beta$ -cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 286, E818-E827.	1.8	80
89	Interleukin-1 $\beta$ induces posttranslational carboxymethylation and alterations in subnuclear distribution of lamin B in insulin-secreting RINm5F cells. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C1152-C1162.	2.1	12
90	GTP-binding protein-independent potentiation by mastoparan of IL-1 $\beta$ -induced nitric oxide release from insulin-secreting HIT-T15 cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2004, 9, 145-148.	2.2	5

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91	Differential regulation by fatty acids of protein histidine phosphorylation in rat pancreatic islets. <i>Molecular and Cellular Biochemistry</i> , 2004, 266, 175-182.	1.4	8
92	Novel roles for palmitoylation of Ras in IL-1 $\beta$ -induced nitric oxide release and caspase 3 activation in insulin-secreting $\beta$ cells. <i>Biochemical Pharmacology</i> , 2003, 66, 1681-1694.	2.0	25
93	Novel Roles for the Rho Subfamily of GTP-Binding Proteins in Succinate-Induced Insulin Secretion from $\beta$ TC3 Cells: Further Evidence in Support of the Succinate Mechanism of Insulin Release. <i>Endocrine Research</i> , 2003, 29, 363-376.	0.6	18
94	Mastoparan-Induced Insulin Secretion from Insulin-Secreting $\beta$ TC3 and INS-1 Cells: Evidence for Its Regulation by Rho Subfamily of G Proteins. <i>Endocrinology</i> , 2003, 144, 4508-4518.	1.4	46
95	Regulatory roles for small G proteins in the pancreatic $\beta$ -cell: lessons from models of impaired insulin secretion. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 285, E669-E684.	1.8	54
96	Defective protein histidine phosphorylation in islets from the Goto-Kakizaki diabetic rat. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 285, E498-E503.	1.8	37
97	Inhibition of Glucose- and Calcium-Induced Insulin Secretion from $\beta$ TC3 Cells by Novel Inhibitors of Protein Isoprenylation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 303, 82-88.	1.3	35
98	Localization and Characterization of the Mitochondrial Isoform of the Nucleoside Diphosphate Kinase in the Pancreatic $\beta$ Cell: Evidence for Its Complexation with Mitochondrial Succinyl-CoA Synthetase. <i>Archives of Biochemistry and Biophysics</i> , 2002, 398, 160-169.	1.4	100
99	GTP-binding proteins in cell survival and demise: the emerging picture in the pancreatic $\beta$ -cell. <i>Biochemical Pharmacology</i> , 2002, 63, 1027-1035.	2.0	19
100	Identification and characterization of a novel protein histidine kinase in the islet $\beta$ cell: evidence for its regulation by mastoparan, an activator of G-proteins and insulin secretion. <i>Biochemical Pharmacology</i> , 2002, 63, 2091-2100.	2.0	40
101	Positive modulation by Ras of interleukin-1 $\beta$ -mediated nitric oxide generation in insulin-secreting clonal $\beta$ (HIT-T15) cells 1 1Abbreviations: IL-1 $\beta$ interleukin-1 $\beta$ ; NO, nitric oxide; iNOS, induced nitric oxide synthase; IDDM, insulin-dependent diabetes mellitus; LT, lethal toxin; CNF1, cytotoxic necrotizing factor 1; PTMs, post-translational modifications; and L-NMMA: N-monomethyl-L-arginine monoacetate.. <i>Biochemical Pharmacology</i> , 2001, 62, 1459-1468.	2.0	40
102	Evidence for the Carboxyl Methylation of Nuclear Lamin-B in the Pancreatic $\beta$ Cell. <i>Biochemical and Biophysical Research Communications</i> , 2000, 268, 249-254.	1.0	11
103	Inosine Monophosphate Dehydrogenase: A Molecular Switch Integrating Pleiotropic GTP-Dependent beta-Cell Functions. <i>Proceedings of the Association of American Physicians</i> , 1999, 111, 335-346.	2.1	16
104	Subcellular Localization and Characterization of Nucleoside Diphosphate Kinase in Rat Retina: Effect of Diabetes. <i>Bioscience Reports</i> , 1998, 18, 187-198.	1.1	2
105	Purine Nucleotide- and Sugar Phosphate-Induced Inhibition of the Carboxyl Methylation and Catalysis of Protein Phosphatase-2A in Insulin-Secreting Cells: Protection by Divalent Cations. <i>Bioscience Reports</i> , 1998, 18, 171-186.	1.1	12
106	Prolonged Depletion of Guanosine Triphosphate Induces Death of Insulin-Secreting Cells by Apoptosis*. <i>Endocrinology</i> , 1998, 139, 3752-3762.	1.4	56
107	Evidence for Differential Roles of the Rho Subfamily of GTP-Binding Proteins in Glucose- and Calcium-Induced Insulin Secretion from Pancreatic $\beta$ Cells. <i>Biochemical Pharmacology</i> , 1997, 54, 1097-1108.	2.0	85
108	Ceramide-activated protein phosphatase-2A activity in insulin-secreting cells. <i>FEBS Letters</i> , 1997, 418, 179-182.	1.3	44

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109	[20] Subcellular distribution and posttranslational modifications of GTP-binding proteins in insulin-secreting cells. <i>Methods in Neurosciences</i> , 1996, 29, 298-318.	0.5	7
110	A novel regulatory mechanism for trimeric GTP-binding proteins in the membrane and secretory granule fractions of human and rodent $\beta$ cells. <i>Biochemical Journal</i> , 1996, 313, 97-107.	1.7	96
111	Characterization of prenylcysteine methyltransferase in insulin-secreting cells. <i>Biochemical Journal</i> , 1996, 316, 345-351.	1.7	39
112	Non-specific stimulatory effects of mastoparan on pancreatic islet nucleoside diphosphokinase activity: Dissociation from insulin secretion. <i>Biochemical Pharmacology</i> , 1995, 49, 263-266.	2.0	23
113	Subcellular localization and kinetic characterization of guanine nucleotide binding proteins in normal rat and human pancreatic islets and transformed $\beta$ cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994, 1222, 348-359.	1.9	41
114	Regulation of guanine nucleotide binding proteins in islet subcellular fractions by phospholipase-derived lipid mediators of insulin secretion. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994, 1222, 360-368.	1.9	31
115	Characterization of Nucleoside Diphosphokinase Activity in Human and Rodent Pancreatic $\beta$ Cells: Evidence for Its Role in the Formation of Guanosine Triphosphate, a Permissive Factor for Nutrient-Induced Insulin Secretion. <i>Biochemistry</i> , 1994, 33, 12495-12503.	1.2	52
116	GTP and Its Binding Proteins in the Regulation of Insulin Exocytosis. , 1994, , 249-283.		7
117	Erythrocyte sodium-potassium ATPase activity and thiol metabolism in genetically hyperglycemic mice. <i>Metabolism: Clinical and Experimental</i> , 1992, 41, 160-164.	1.5	9
118	PhospholipidN-methylation in diabetic erythrocytes: Effects on membrane Na <sup>+</sup> , K <sup>+</sup> ATPase activity. <i>Cell Biochemistry and Function</i> , 1992, 10, 95-101.	1.4	6
119	Secretagogue-responsive and -unresponsive pools of phosphatidylinositol in pancreatic islets. <i>Archives of Biochemistry and Biophysics</i> , 1986, 245, 411-416.	1.4	27
120	Enzymes of phospholipid metabolism in rat pancreatic islets: Subcellular distribution and the effect of glucose and calcium. <i>Journal of Cellular Biochemistry</i> , 1986, 32, 143-150.	1.2	9
121	Evidence for calcium enhanced phosphorylation of pyruvate kinase by pancreatic islets. <i>Molecular and Cellular Biochemistry</i> , 1985, 68, 107-114.	1.4	12
122	Activation of pancreatic islet myosin ATPase by ATP and actin. <i>Biochemical Medicine</i> , 1985, 33, 362-366.	0.5	2
123	Evidence for phosphorylation of pancreatic islet pyruvate kinase. <i>Metabolism: Clinical and Experimental</i> , 1985, 34, 600-603.	1.5	7
124	Phospholipid methyltransferase activity in pancreatic islets: Activation by calcium. <i>Archives of Biochemistry and Biophysics</i> , 1985, 242, 72-81.	1.4	16
125	Stimulation of phospholipid methylation by glucose in pancreatic islets. <i>Biochemical and Biophysical Research Communications</i> , 1984, 122, 706-711.	1.0	4
126	Glucose-induced, calcium-mediated protein phosphorylation in intact pancreatic islets. <i>Archives of Biochemistry and Biophysics</i> , 1984, 231, 320-327.	1.4	16



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127	Protein phosphorylation in pancreatic islets: Evidence for separate Ca <sup>2+</sup> and cAMP-enhanced phosphorylation of two 57,000 Mr proteins. <i>Biochemical and Biophysical Research Communications</i> , 1984, 118, 797-804.	1.0	16
128	The stimulus-secretion coupling of glucose-induced insulin release. Thiol: disulfide balance in pancreatic islets. <i>Biochimie</i> , 1982, 64, 29-36.	1.3	40
129	Calcium-activated factors in pancreatic islets that inhibit actin polymerization. <i>Archives of Biochemistry and Biophysics</i> , 1982, 219, 459-462.	1.4	3
130	<sup>3</sup> H-glutamyltranspeptidase activity in pancreatic islets. <i>FEBS Letters</i> , 1981, 125, 57-59.	1.3	9
131	The stimulus-secretion coupling of glucose-induced insulin release: Enzymes of mannose metabolism in pancreatic islets. <i>Archives of Biochemistry and Biophysics</i> , 1981, 212, 54-62.	1.4	17
132	The stimulus-secretion coupling of glucose-induced insulin release. XLIII. Na-Ca countertransport mediated by pancreatic islet native ionophores. <i>Journal of Inorganic Biochemistry</i> , 1980, 13, 179-188.	1.5	11
133	Ionophore-mediated Ca <sup>2+</sup> countertransport: role of Na <sup>+</sup> , Li <sup>+</sup> or H <sup>+</sup> gradient. <i>Molecular and Cellular Biochemistry</i> , 1980, 30, 67-70.	1.4	11