

# Peter M Jones

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7755980/peter-m-jones-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

162  
papers

5,290  
citations

43  
h-index

66  
g-index

165  
ext. papers

5,845  
ext. citations

5.1  
avg, IF

5.71  
L-index

#	Paper	IF	Citations
162	Beta cell replacement therapy for type 1 diabetes: closer and closer.. <i>Diabetic Medicine</i> , <b>2022</b> , e14834	3.5	1
161	In vitro evaluation of the interaction of the cannabis constituents cannabichromene and cannabichromenic acid with ABCG2 and ABCB1 transporters.. <i>European Journal of Pharmacology</i> , <b>2022</b> , 922, 174836	5.3	0
160	Commiphora myrrha stimulates insulin secretion from mouse and human islets of Langerhans. <i>Journal of Ethnopharmacology</i> , <b>2021</b> , 264, 113075	5	1
159	Protecting islet functional viability using mesenchymal stromal cells. <i>Stem Cells Translational Medicine</i> , <b>2021</b> , 10, 674-680	6.9	7
158	Ductal Ngn3-expressing progenitors contribute to adult $\beta$ cell neogenesis in the pancreas. <i>Cell Stem Cell</i> , <b>2021</b> , 28, 2000-2008.e4	18	6
157	SNAP-tag-enabled super-resolution imaging reveals constitutive and agonist-dependent trafficking of GPR56 in pancreatic $\beta$ cells. <i>Molecular Metabolism</i> , <b>2021</b> , 53, 101285	8.8	1
156	Islet Stellate Cells Regulate Insulin Secretion via Wnt5a in Min6 Cells. <i>International Journal of Endocrinology</i> , <b>2020</b> , 2020, 4708132	2.7	3
155	Vitamin A deficiency causes islet dysfunction by inducing islet stellate cell activation via cellular retinol binding protein 1. <i>International Journal of Biological Sciences</i> , <b>2020</b> , 16, 947-956	11.2	11
154	UCN2: a new candidate influencing pancreatic $\beta$ cell adaptations in pregnancy. <i>Journal of Endocrinology</i> , <b>2020</b> , 245, 247-257	4.7	4
153	The KINGS Mouse: A Novel Model of $\beta$ Cell Endoplasmic Reticulum Stress and Human Diabetes. <i>Diabetes</i> , <b>2020</b> , 69, 2667-2677	0.9	7
152	A novel <i>Gymnema sylvestre</i> extract protects pancreatic beta-cells from cytokine-induced apoptosis. <i>Phytotherapy Research</i> , <b>2020</b> , 34, 161-172	6.7	4
151	Optimizing beta cell function through mesenchymal stromal cell-mediated mitochondria transfer. <i>Stem Cells</i> , <b>2020</b> , 38, 574-584	5.8	18
150	Is the emperor wearing shorts? The published structures of ABC transporters. <i>FEBS Letters</i> , <b>2020</b> , 594, 3790-3798	3.8	2
149	Maternal glucose homeostasis is impaired in mouse models of gestational cholestasis. <i>Scientific Reports</i> , <b>2020</b> , 10, 11523	4.9	5
148	Pancreatic Fat is not significantly correlated with $\beta$ cell Dysfunction in Patients with new-onset Type 2 Diabetes Mellitus using quantitative Computed Tomography. <i>International Journal of Medical Sciences</i> , <b>2020</b> , 17, 1673-1682	3.7	2
147	Modulation of Rab7a-mediated growth factor receptor trafficking inhibits islet beta cell apoptosis and autophagy under conditions of metabolic stress. <i>Scientific Reports</i> , <b>2020</b> , 10, 15741	4.9	1
146	Wingless-type MMTV integration site family member $\beta$ 5a is a key inhibitor of islet stellate cells activation. <i>Journal of Diabetes Investigation</i> , <b>2020</b> , 11, 307-314	3.9	2

145	In Silico Investigation of the Binding of MCoTI-II Plant Defense Knottin to the $\alpha$ NGF Serine Protease of the 7S Nerve Growth Factor Complex and Biological Activity of Its NGF Mimetic Properties. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 9104-9110	3.4	1
144	Determining the insulin secretion potential for certain specific G-protein coupled receptors in MIN6 pancreatic beta cells. <i>Turkish Journal of Medical Sciences</i> , <b>2019</b> , 49, 403-411	2.7	3
143	Wingless-Type MMTV Integration Site Family Member 5a Is a Key Secreted Islet Stellate Cell-Derived Product that Regulates Islet Function. <i>International Journal of Endocrinology</i> , <b>2019</b> , 2019, 7870109	2.7	6
142	Characterization of the Effects of Mesenchymal Stromal Cells on Mouse and Human Islet Function. <i>Stem Cells Translational Medicine</i> , <b>2019</b> , 8, 935-944	6.9	14
141	Obeticholic acid ameliorates dyslipidemia but not glucose tolerance in mouse model of gestational diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2019</b> , 317, E399-E410	6	9
140	A role for placental kisspeptin in $\beta$ cell adaptation to pregnancy. <i>JCI Insight</i> , <b>2019</b> , 4,	9.9	13
139	A Novel Role for Somatostatin in the Survival of Mouse Pancreatic Beta Cells. <i>Cellular Physiology and Biochemistry</i> , <b>2019</b> , 52, 486-502	3.9	8
138	Wingless-type MMTV integration site family member 5a: a novel biomarker regulated in type 2 diabetes mellitus and diabetic kidney disease. <i>Journal of Diabetes and Metabolic Disorders</i> , <b>2019</b> , 18, 525-532	2.5	3
137	The Association Between Selective Serotonin Reuptake Inhibitors and Glycemia: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. <i>Psychosomatic Medicine</i> , <b>2019</b> , 81, 570-583	3.7	11
136	The Placental Secretome: Identifying Potential Cross-Talk Between Placenta and Islet $\beta$ Cells. <i>Cellular Physiology and Biochemistry</i> , <b>2018</b> , 45, 1165-1171	3.9	8
135	Using Mesenchymal Stromal Cells in Islet Transplantation. <i>Stem Cells Translational Medicine</i> , <b>2018</b> , 7, 559-563	6.9	21
134	Potential of mesenchymal stromal cells for improving islet transplantation outcomes. <i>Current Opinion in Pharmacology</i> , <b>2018</b> , 43, 34-39	5.1	9
133	Composite Mesenchymal Stromal Cell Islets: Implications for Transplantation via the Clinically Preferred Intraportal Route. <i>Transplantation Direct</i> , <b>2018</b> , 4, e354	2.3	4
132	Mesenchymal stromal cell secretory factors induce sustained improvements in islet function pre- and post-transplantation. <i>Cytotherapy</i> , <b>2018</b> , 20, 1427-1436	4.8	15
131	The adhesion receptor GPR56 is activated by extracellular matrix collagen III to improve $\beta$ cell function. <i>Cellular and Molecular Life Sciences</i> , <b>2018</b> , 75, 4007-4019	10.3	27
130	How Intrinsic Dynamics Mediates the Allosteric Mechanism in the ABC Transporter Nucleotide Binding Domain Dimer. <i>Journal of Chemical Theory and Computation</i> , <b>2017</b> , 13, 1712-1722	6.4	5
129	Polycystic Kidney Disease with Hyperinsulinemic Hypoglycemia Caused by a Promoter Mutation in Phosphomannomutase 2. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2017</b> , 28, 2529-2539	12.7	73
128	Favorable outcome of experimental islet xenotransplantation without immunosuppression in a nonhuman primate model of diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 11745-11750	11.5	56

127	Mesenchymal stromal cells improve human islet function through released products and extracellular matrix. <i>Clinical Science</i> , <b>2017</b> , 131, 2835-2845	6.5	46
126	Annexin A1 Is a Key Modulator of Mesenchymal Stromal Cell-Mediated Improvements in Islet Function. <i>Diabetes</i> , <b>2016</b> , 65, 129-39	0.9	53
125	GPR55-dependent stimulation of insulin secretion from isolated mouse and human islets of Langerhans. <i>Diabetes, Obesity and Metabolism</i> , <b>2016</b> , 18, 1263-1273	6.7	38
124	A Wake-up Call for Type 2 Diabetes?. <i>New England Journal of Medicine</i> , <b>2016</b> , 375, 1090-2	59.2	15
123	Computational analysis of the MCoTI-II plant defence knottin reveals a novel intermediate conformation that facilitates trypsin binding. <i>Scientific Reports</i> , <b>2016</b> , 6, 23174	4.9	8
122	Prolonged activation of human islet cannabinoid receptors in vitro induces adaptation but not dysfunction. <i>BBA Clinical</i> , <b>2016</b> , 5, 143-50		8
121	Endocrine Pancreas Development and Regeneration: Noncanonical Ideas From Neural Stem Cell Biology. <i>Diabetes</i> , <b>2016</b> , 65, 314-30	0.9	7
120	Isolation and characterization of human islet stellate cells. <i>Experimental Cell Research</i> , <b>2016</b> , 341, 61-66	4.2	18
119	Imatinib prevents beta cell death in vitro but does not improve islet transplantation outcome. <i>Upsala Journal of Medical Sciences</i> , <b>2016</b> , 121, 140-5	2.8	5
118	Modulation of endoglin expression in islets of langerhans by VEGF reveals a novel regulator of islet endothelial cell function. <i>BMC Research Notes</i> , <b>2016</b> , 9, 362	2.3	5
117	Islet Function and Insulin Secretion <b>2016</b> , 87-102		2
116	APT070 (mirococept), a membrane-localizing C3 convertase inhibitor, attenuates early human islet allograft damage in vitro and in vivo in a humanized mouse model. <i>British Journal of Pharmacology</i> , <b>2016</b> , 173, 575-87	8.6	17
115	Altered Mitochondrial Function, Mitochondrial DNA and Reduced Metabolic Flexibility in Patients With Diabetic Nephropathy. <i>EBioMedicine</i> , <b>2015</b> , 2, 499-512	8.8	101
114	Cholesterol sensing by the ABCG1 lipid transporter: Requirement of a CRAC motif in the final transmembrane domain. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2015</b> , 1851, 956-64	5	24
113	Distinct patterns of heparan sulphate in pancreatic islets suggest novel roles in paracrine islet regulation. <i>Molecular and Cellular Endocrinology</i> , <b>2015</b> , 399, 296-310	4.4	14
112	GPR55: from orphan to metabolic regulator?. <i>Pharmacology &amp; Therapeutics</i> , <b>2015</b> , 145, 35-42	13.9	32
111	Transitional-2 B cells acquire regulatory function during tolerance induction and contribute to allograft survival. <i>European Journal of Immunology</i> , <b>2015</b> , 45, 843-53	6.1	33
110	Assembly of bioactive multilayered nanocoatings on pancreatic islet cells: incorporation of α-antitrypsin into the coatings. <i>Chemical Communications</i> , <b>2015</b> , 51, 10652-5	5.8	10

109	Inhibitory effect of somatostatin on insulin secretion is not mediated via the CNS. <i>Journal of Endocrinology</i> , <b>2015</b> , 225, 19-26	4.7	10
108	The Nucleotide-Free State of the Multidrug Resistance ABC Transporter LmrA: Sulfhydryl Cross-Linking Supports a Constant Contact, Head-to-Tail Configuration of the Nucleotide-Binding Domains. <i>PLoS ONE</i> , <b>2015</b> , 10, e0131505	3.7	2
107	Regenerating islet-derived protein 1 inhibits the activation of islet stellate cells isolated from diabetic mice. <i>Oncotarget</i> , <b>2015</b> , 6, 37054-65	3.3	13
106	Creating a 3D matricellular environment to promote islet expansion for diabetes therapy [the role of SPARC family proteins. <i>FASEB Journal</i> , <b>2015</b> , 29, 719.16	0.9	
105	A reciprocating twin-channel model for ABC transporters. <i>Quarterly Reviews of Biophysics</i> , <b>2014</b> , 47, 189-220		29
104	Insulin-Secreting Cell Lines <b>2014</b> , 239-256		4
103	Metabolic phenotyping guidelines: assessing glucose homeostasis in rodent models. <i>Journal of Endocrinology</i> , <b>2014</b> , 222, G13-25	4.7	146
102	Preculturing Islets With Adipose-Derived Mesenchymal Stromal Cells Is an Effective Strategy for Improving Transplantation Efficiency at the Clinically Preferred Intraportal Site. <i>Cell Medicine</i> , <b>2014</b> , 7, 37-47	4.9	32
101	Novel role for matricellular proteins in the regulation of islet $\beta$ cell survival: the effect of SPARC on survival, proliferation, and signaling. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 30614-30624	5.4	15
100	The calcium-sensing receptor and $\beta$ cell function. <i>Vitamins and Hormones</i> , <b>2014</b> , 95, 249-67	2.5	12
99	Nupr1 deletion protects against glucose intolerance by increasing beta cell mass. <i>Diabetologia</i> , <b>2013</b> , 56, 2477-86	10.3	15
98	Endoglin (CD105) is not a specific selection marker for endothelial cells in human islets of Langerhans. <i>Diabetologia</i> , <b>2013</b> , 56, 222-4	10.3	4
97	Co-transplantation of islets with mesenchymal stem cells in microcapsules demonstrates graft outcome can be improved in an isolated-graft model of islet transplantation in mice. <i>Cytotherapy</i> , <b>2013</b> , 15, 192-200	4.8	75
96	Pre-culturing islets with mesenchymal stromal cells using a direct contact configuration is beneficial for transplantation outcome in diabetic mice. <i>Cytotherapy</i> , <b>2013</b> , 15, 449-59	4.8	56
95	The novel chemokine receptor, G-protein-coupled receptor 75, is expressed by islets and is coupled to stimulation of insulin secretion and improved glucose homeostasis. <i>Diabetologia</i> , <b>2013</b> , 56, 2467-76	10.3	42
94	An atlas and functional analysis of G-protein coupled receptors in human islets of Langerhans. <i>Pharmacology &amp; Therapeutics</i> , <b>2013</b> , 139, 359-91	13.9	139
93	Activin receptor-like kinase 5 inhibition reverses impairment of endothelial cell viability by endogenous islet mesenchymal stromal cells. <i>Stem Cells</i> , <b>2013</b> , 31, 547-59	5.8	6
92	Mechanism of the ABC transporter ATPase domains: catalytic models and the biochemical and biophysical record. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , <b>2013</b> , 48, 39-50	8.7	53

91	Computational analysis of the soluble form of the intracellular chloride ion channel protein CLIC1. <i>BioMed Research International</i> , <b>2013</b> , 2013, 170586	3	4
90	Chronic activation of cannabinoid receptors in vitro does not compromise mouse islet function. <i>Clinical Science</i> , <b>2013</b> , 124, 467-78	6.5	17
89	Maintenance of islet morphology is beneficial for transplantation outcome in diabetic mice. <i>PLoS ONE</i> , <b>2013</b> , 8, e57844	3.7	20
88	An asymmetric post-hydrolysis state of the ABC transporter ATPase dimer. <i>PLoS ONE</i> , <b>2013</b> , 8, e59854	3.7	21
87	Functional analysis of human islets of Langerhans maintained in culture. <i>Methods in Molecular Biology</i> , <b>2012</b> , 806, 55-71	1.4	2
86	Role of the D-loops in allosteric control of ATP hydrolysis in an ABC transporter. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 3004-13	2.8	52
85	Perspectives on the structure-function of ABC transporters: the Switch and Constant Contact models. <i>Progress in Biophysics and Molecular Biology</i> , <b>2012</b> , 109, 95-107	4.7	94
84	Immunoisolation of islets in high guluronic acid barium-alginate microcapsules does not improve graft outcome at the subcutaneous site. <i>Artificial Organs</i> , <b>2012</b> , 36, 564-70	2.6	14
83	Cytoprotective effect of <i>Coreopsis tinctoria</i> extracts and flavonoids on tBHP and cytokine-induced cell injury in pancreatic MIN6 cells. <i>Journal of Ethnopharmacology</i> , <b>2012</b> , 139, 485-92	5	39
82	The CaMK4/CREB/IRS-2 cascade stimulates proliferation and inhibits apoptosis of $\beta$ cells. <i>PLoS ONE</i> , <b>2012</b> , 7, e45711	3.7	40
81	In vivo studies on non-viral transdifferentiation of liver cells towards pancreatic $\beta$ cells. <i>Journal of Endocrinology</i> , <b>2012</b> , 214, 277-88	4.7	25
80	GPR54 peptide agonists stimulate insulin secretion from murine, porcine and human islets. <i>Islets</i> , <b>2012</b> , 4, 20-3	2	28
79	Expression and function of monoacylglycerol lipase in mouse $\beta$ cells and human islets of Langerhans. <i>Cellular Physiology and Biochemistry</i> , <b>2012</b> , 30, 347-58	3.9	18
78	Molecular-dynamics simulations of the ATP/apo state of a multidrug ATP-binding cassette transporter provide a structural and mechanistic basis for the asymmetric occluded state. <i>Biophysical Journal</i> , <b>2011</b> , 100, 3025-34	2.9	43
77	Type II ABC permeases: are they really so different?. <i>Structure</i> , <b>2011</b> , 19, 1540-2	5.2	2
76	Role of the endocannabinoid system in food intake, energy homeostasis and regulation of the endocrine pancreas. <i>Pharmacology &amp; Therapeutics</i> , <b>2011</b> , 129, 307-20	13.9	76
75	Stem cells and the endocrine pancreas. <i>British Medical Bulletin</i> , <b>2011</b> , 100, 123-35	5.4	4
74	Insulin-producing surrogate $\beta$ cells from embryonic stem cells: are we there yet?. <i>Molecular Therapy</i> , <b>2011</b> , 19, 1759-68	11.7	40

73	Down-regulation of proliferation does not affect the secretory function of transformed cell lines regardless of their anatomical configuration. <i>Islets</i> , <b>2011</b> , 3, 80-8	2	9
72	Multidrug efflux pumps: the structures of prokaryotic ATP-binding cassette transporter efflux pumps and implications for our understanding of eukaryotic P-glycoproteins and homologues. <i>FEBS Journal</i> , <b>2010</b> , 277, 550-63	5.7	48
71	Costus pictus extracts stimulate insulin secretion from mouse and human islets of Langerhans in vitro. <i>Cellular Physiology and Biochemistry</i> , <b>2010</b> , 26, 1051-8	3.9	19
70	Cannabinoid receptors are coupled to stimulation of insulin secretion from mouse MIN6 beta-cells. <i>Cellular Physiology and Biochemistry</i> , <b>2010</b> , 26, 187-96	3.9	52
69	Generating pancreatic beta-cells from embryonic stem cells by manipulating signaling pathways. <i>Journal of Endocrinology</i> , <b>2010</b> , 206, 13-26	4.7	47
68	Expression and function of cannabinoid receptors in mouse islets. <i>Islets</i> , <b>2010</b> , 2, 293-302	2	55
67	A role for islet somatostatin in mediating sympathetic regulation of glucagon secretion. <i>Islets</i> , <b>2010</b> , 2, 341-4	2	16
66	Polysaccharide multilayer nanoencapsulation of insulin-producing beta-cells grown as pseudoislets for potential cellular delivery of insulin. <i>Biomacromolecules</i> , <b>2010</b> , 11, 610-6	6.9	49
65	Recovery of oral glucose tolerance by Wistar rats after treatment with <i>Coreopsis tinctoria</i> infusion. <i>Phytotherapy Research</i> , <b>2010</b> , 24, 699-705	6.7	23
64	Importance of quantitative analysis in the generation of insulin-expressing cells from human embryonic stem cells. <i>Pancreas</i> , <b>2010</b> , 39, 105-7	2.6	8
63	Somatostatin secreted by islet delta-cells fulfills multiple roles as a paracrine regulator of islet function. <i>Diabetes</i> , <b>2009</b> , 58, 403-11	0.9	208
62	Characterisation of the insulinotropic activity of an aqueous extract of <i>Gymnema sylvestre</i> in mouse beta-cells and human islets of Langerhans. <i>Cellular Physiology and Biochemistry</i> , <b>2009</b> , 23, 125-32	3.9	42
61	ABC transporters: a riddle wrapped in a mystery inside an enigma. <i>Trends in Biochemical Sciences</i> , <b>2009</b> , 34, 520-31	10.3	147
60	Opening of the ADP-bound active site in the ABC transporter ATPase dimer: evidence for a constant contact, alternating sites model for the catalytic cycle. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2009</b> , 75, 387-96	4.2	91
59	Single-cell RT-PCR identification of genes expressed by human islet endocrine cells. <i>Methods in Molecular Biology</i> , <b>2009</b> , 560, 73-86	1.4	2
58	Cell-based treatments for diabetes. <i>Drug Discovery Today</i> , <b>2008</b> , 13, 888-93	8.8	31
57	Insulin signalling in islets. <i>Biochemical Society Transactions</i> , <b>2008</b> , 36, 290-3	5.1	19
56	Neonatal and late-onset diabetes mellitus caused by failure of pancreatic development: report of 4 more cases and a review of the literature. <i>Pediatrics</i> , <b>2008</b> , 121, e1541-7	7.4	25



55	A role for the extracellular calcium-sensing receptor in cell-cell communication in pancreatic islets of langerhans. <i>Cellular Physiology and Biochemistry</i> , <b>2008</b> , 22, 557-66	3.9	25
54	Function and expression of melatonin receptors on human pancreatic islets. <i>Journal of Pineal Research</i> , <b>2008</b> , 44, 273-9	10.4	132
53	Beta-cell-based Therapies for Type 2 Diabetes. <i>European Endocrinology</i> , <b>2008</b> , 4, 36	3.4	4
52	Expression and function of the extracellular calcium-sensing receptor in pancreatic beta-cells. <i>Archives of Physiology and Biochemistry</i> , <b>2007</b> , 113, 98-103	2.2	19
51	Role of conserved active site residues in catalysis by phospholipase B1 from <i>Cryptococcus neoformans</i> . <i>Biochemistry</i> , <b>2007</b> , 46, 10024-32	3.2	6
50	Islet alpha-cells do not influence insulin secretion from beta-cells through cell-cell contact. <i>Endocrine</i> , <b>2007</b> , 31, 61-5		25
49	Expression and function of cyclooxygenase and lipoxygenase enzymes in human islets of Langerhans. <i>Archives of Physiology and Biochemistry</i> , <b>2007</b> , 113, 104-9	2.2	15
48	Nucleotide-dependent allostery within the ABC transporter ATP-binding cassette: a computational study of the MJ0796 dimer. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 22793-803	5.4	59
47	E-cadherin interactions regulate beta-cell proliferation in islet-like structures. <i>Cellular Physiology and Biochemistry</i> , <b>2007</b> , 20, 617-26	3.9	51
46	Anti-apoptotic effects of arachidonic acid and prostaglandin E2 in pancreatic beta-cells. <i>Cellular Physiology and Biochemistry</i> , <b>2007</b> , 20, 607-16	3.9	44
45	The role of arachidonic acid and its metabolites in insulin secretion from human islets of langerhans. <i>Diabetes</i> , <b>2007</b> , 56, 197-203	0.9	70
44	Preoperative staging accuracy of multidetector computed tomography in pancreatic head adenocarcinoma. <i>Pancreas</i> , <b>2007</b> , 34, 180-4	2.6	22
43	A role for kisspeptin in islet function. <i>Diabetologia</i> , <b>2006</b> , 49, 2131-5	10.3	118
42	Activation of the extracellular calcium-sensing receptor initiates insulin secretion from human islets of Langerhans: involvement of protein kinases. <i>Journal of Endocrinology</i> , <b>2006</b> , 190, 703-10	4.7	68
41	Identification of insulin signaling elements in human beta-cells: autocrine regulation of insulin gene expression. <i>Diabetes</i> , <b>2006</b> , 55, 2835-42	0.9	68
40	Autocrine anti-apoptotic and proliferative effects of insulin in pancreatic beta-cells. <i>FEBS Letters</i> , <b>2006</b> , 580, 6977-80	3.8	47
39	MIN6 beta-cell-beta-cell interactions influence insulin secretory responses to nutrients and non-nutrients. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 343, 99-104	3.4	81
38	Homotypic cell contact enhances insulin but not glucagon secretion. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 344, 995-1000	3.4	37



37	Real Science, Biological Bodies and Stem Cells: Constructing Images of ECells in the Biomedical Science Lab. <i>Social Theory and Health</i> , <b>2006</b> , 4, 275-298	1.7	5
36	Diabetes mellitus: a potential target for stem cell therapy. <i>Current Stem Cell Research and Therapy</i> , <b>2006</b> , 1, 255-66	3.6	18
35	The in vitro differentiation of rat neural stem cells into an insulin-expressing phenotype. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 326, 570-7	3.4	16
34	Generation of insulin-expressing cells from mouse embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 328, 399-403	3.4	20
33	Similarities of K+ATP channel expression and Ca <sup>2+</sup> changes in pancreatic beta cells and hypothalamic neurons. <i>Pancreas</i> , <b>2005</b> , 30, 227-32	2.6	8
32	Effect of 17beta-estradiol on insulin secretion and cytosolic calcium in Min6 mouse insulinoma cells and human islets of Langerhans. <i>Pancreas</i> , <b>2005</b> , 30, 307-13	2.6	17
31	Cell-to-cell contact influences proliferative marker expression and apoptosis in MIN6 cells grown in islet-like structures. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2005</b> , 288, E502-9	6	46
30	Uncoupling of nutrient metabolism from insulin secretion by overexpression of cytosolic phospholipase A(2). <i>Diabetes</i> , <b>2005</b> , 54, 116-24	0.9	15
29	Stem cell therapy for diabetes: do we need to make beta cells?. <i>Journal of Endocrinology</i> , <b>2004</b> , 183, 437-43	4.7	43
28	The role of cytosolic phospholipase A(2) in insulin secretion. <i>Diabetes</i> , <b>2004</b> , 53 Suppl 1, S172-8	0.9	14
27	Glucose-induced regulation of COX-2 expression in human islets of Langerhans. <i>Diabetes</i> , <b>2004</b> , 53 Suppl 1, S190-2	0.9	102
26	Beta-cell replacement technologies: the potential of stem cells. <i>Drug Discovery Today: Therapeutic Strategies</i> , <b>2004</b> , 1, 213-217		4
25	The development of new density gradient media for purifying human islets and islet-quality assessments. <i>Transplantation</i> , <b>2004</b> , 77, 143-5	1.8	83
24	Mechanism of ABC transporters: a molecular dynamics simulation of a well characterized nucleotide-binding subunit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 12639-44	11.5	121
23	A key role for beta-cell cytosolic phospholipase A(2) in the maintenance of insulin stores but not in the initiation of insulin secretion. <i>Diabetes</i> , <b>2002</b> , 51, 98-104	0.9	40
22	THE ROLE OF ERK2/1 IN STEROID PRODUCTION AND S <sub>t</sub> AR PROTEIN EXPRESSION BY Y1 CELLS: STUDIES USING S <sub>t</sub> AR OVER-EXPRESSING TRANSFECTS. <i>Endocrine Research</i> , <b>2002</b> , 28, 349-350	1.9	
21	Differential expression of insulin genes 1 and 2 in MIN6 cells and pseudoislets. <i>Biochemical and Biophysical Research Communications</i> , <b>2002</b> , 296, 589-95	3.4	37
20	Insulin receptor activation inhibits insulin secretion from human islets of Langerhans. <i>FEBS Letters</i> , <b>2002</b> , 510, 225-8	3.8	62

19	Role of adenine nucleotides in insulin secretion from MIN6 pseudoislets. <i>Molecular and Cellular Endocrinology</i> , <b>2002</b> , 191, 167-76	4.4	40
18	ERKs regulate cyclic AMP-induced steroid synthesis through transcription of the steroidogenic acute regulatory (StAR) gene. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 34888-95	5.4	124
17	Symmetry and structure in P-glycoprotein and ABC transporters what goes around comes around. <i>FEBS Journal</i> , <b>2000</b> , 267, 5298-305		22
16	Cyclic AMP-induced expression of steroidogenic acute regulatory protein is dependent upon phosphoprotein phosphatase activities. <i>Journal of Molecular Endocrinology</i> , <b>2000</b> , 24, 233-9	4.5	34
15	Depolarizing stimuli reduce Ca <sup>2+</sup> /calmodulin-dependent protein kinase II activity in islets of Langerhans. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 270, 1119-23	3.4	7
14	Phosphoprotein phosphatases regulate steroidogenesis by influencing StAR gene transcription. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 273, 35-9	3.4	9
13	Subunit interactions in ABC transporters: towards a functional architecture. <i>FEMS Microbiology Letters</i> , <b>1999</b> , 179, 187-202	2.9	196
12	Would R.D. Lawrence have been interested in the regulation of insulin secretion from pancreatic beta-cells?. <i>Diabetic Medicine</i> , <b>1998</b> , 15, 644-50	3.5	
11	Protein kinases, protein phosphorylation, and the regulation of insulin secretion from pancreatic beta-cells. <i>Endocrine Reviews</i> , <b>1998</b> , 19, 429-61	27.2	157
10	GL6976: an inhibitor of Ca <sup>2+</sup> /DAG-dependent protein kinase C isoforms in islets of Langerhans. <i>Biochemical Society Transactions</i> , <b>1997</b> , 25, 118S	5.1	1
9	The mitogen-activated protein kinase pathway in rat islets of Langerhans: studies on the regulation of insulin secretion. <i>Biochemical Journal</i> , <b>1996</b> , 313 ( Pt 1), 119-24	3.8	26
8	The mechanism of arachidonic acid-induced insulin secretion from rat islets of Langerhans. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1993</b> , 1176, 64-8	4.9	19
7	Activation of protein kinase C is essential for sustained insulin secretion in response to cholinergic stimulation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1991</b> , 1091, 120-2	4.9	25
6	Time-course of Ca <sup>2+</sup> -induced insulin secretion from perifused, electrically permeabilised islets of Langerhans: effects of cAMP and a phorbol ester. <i>Biochemical and Biophysical Research Communications</i> , <b>1989</b> , 162, 998-1003	3.4	39
5	Translocation of protein kinase C in rat islets of Langerhans. Effects of a phorbol ester, carbachol and glucose. <i>FEBS Letters</i> , <b>1989</b> , 245, 80-4	3.8	53
4	Effects of Ca <sup>2+</sup> and a phorbol ester on insulin secretion from islets of Langerhans permeabilised by high-voltage discharge. <i>FEBS Letters</i> , <b>1985</b> , 191, 102-6	3.8	84
3	Characterisation of an intermediate in neurophysin biosynthesis in the guinea pig. <i>FEBS Letters</i> , <b>1983</b> , 163, 324-8	3.8	7
2	Subunit interactions in ABC transporters: towards a functional architecture		5

1 Islet Function and Insulin Secretion 85-103

2