

# Bernat Soria

## List of Publications by Citations

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176  
papers

7,335  
citations

46  
h-index

81  
g-index

184  
ext. papers

8,047  
ext. citations

4.7  
avg, IF

5.54  
L-index

#	Paper	IF	Citations
176	Insulin-secreting cells derived from embryonic stem cells normalize glycemia in streptozotocin-induced diabetic mice. <i>Diabetes</i> , <b>2000</b> , 49, 157-62	0.9	757
175	Nongenomic actions of estrogens and xenoestrogens by binding at a plasma membrane receptor unrelated to estrogen receptor alpha and estrogen receptor beta. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 11603-8	11.5	309
174	Widespread synchronous [Ca <sup>2+</sup> ] <sub>i</sub> oscillations due to bursting electrical activity in single pancreatic islets. <i>Pflügers Archiv European Journal of Physiology</i> , <b>1991</b> , 418, 417-22	4.6	284
173	Low doses of bisphenol A and diethylstilbestrol impair Ca <sup>2+</sup> signals in pancreatic alpha-cells through a nonclassical membrane estrogen receptor within intact islets of Langerhans. <i>Environmental Health Perspectives</i> , <b>2005</b> , 113, 969-77	8.4	211
172	Low doses of the endocrine disruptor bisphenol-A and the native hormone 17beta-estradiol rapidly activate transcription factor CREB. <i>FASEB Journal</i> , <b>2002</b> , 16, 1671-3	0.9	179
171	Rapid insulinotropic effect of 17beta-estradiol via a plasma membrane receptor. <i>FASEB Journal</i> , <b>1998</b> , 12, 1341-8	0.9	178
170	Glucose-induced oscillations of intracellular Ca <sup>2+</sup> concentration resembling bursting electrical activity in single mouse islets of Langerhans. <i>FEBS Letters</i> , <b>1989</b> , 259, 19-23	3.8	169
169	Differentiation of in vitro-modified human peripheral blood monocytes into hepatocyte-like and pancreatic islet-like cells. <i>Gastroenterology</i> , <b>2005</b> , 128, 1774-86	13.3	168
168	Mitochondrial dysfunction is involved in apoptosis induced by serum withdrawal and fatty acids in the beta-cell line INS-1. <i>Endocrinology</i> , <b>2003</b> , 144, 335-45	4.8	161
167	In-vitro differentiation of pancreatic beta-cells. <i>Differentiation</i> , <b>2001</b> , 68, 205-19	3.5	160
166	Homologous and heterologous asynchronicity between identified alpha-, beta- and delta-cells within intact islets of Langerhans in the mouse. <i>Journal of Physiology</i> , <b>1999</b> , 517 ( Pt 1), 85-93	3.9	151
165	From stem cells to beta cells: new strategies in cell therapy of diabetes mellitus. <i>Diabetologia</i> , <b>2001</b> , 44, 407-15	10.3	142
164	Sirtuin 1 regulation of developmental genes during differentiation of stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 13736-41	11.5	134
163	In vitro directed differentiation of mouse embryonic stem cells into insulin-producing cells. <i>Diabetologia</i> , <b>2004</b> , 47, 1442-51	10.3	127
162	Palmitate and oleate induce the immediate-early response genes c-fos and nur-77 in the pancreatic beta-cell line INS-1. <i>Diabetes</i> , <b>1999</b> , 48, 2007-14	0.9	116
161	A nonclassical estrogen membrane receptor triggers rapid differential actions in the endocrine pancreas. <i>Molecular Endocrinology</i> , <b>2002</b> , 16, 497-505		115
160	GATA4 and GATA6 control mouse pancreas organogenesis. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 3504-15	15.9	108

159	Taurine supplementation modulates glucose homeostasis and islet function. <i>Journal of Nutritional Biochemistry</i> , <b>2009</b> , 20, 503-11	6.3	105
158	Junctional communication of pancreatic beta cells contributes to the control of insulin secretion and glucose tolerance. <i>Journal of Clinical Investigation</i> , <b>2000</b> , 106, 235-43	15.9	105
157	A role for calcium release-activated current (CRAC) in cholinergic modulation of electrical activity in pancreatic beta-cells. <i>Biophysical Journal</i> , <b>1995</b> , 68, 2323-32	2.9	96
156	Induction of differentiation of embryonic stem cells into insulin-secreting cells by fetal soluble factors. <i>Stem Cells</i> , <b>2006</b> , 24, 258-65	5.8	94
155	Adipose-derived mesenchymal stromal cells for the treatment of patients with severe SARS-CoV-2 pneumonia requiring mechanical ventilation. A proof of concept study. <i>EClinicalMedicine</i> , <b>2020</b> , 25, 100454	11.3	87
154	Different effects of tolbutamide and diazoxide in alpha, beta-, and delta-cells within intact islets of Langerhans. <i>Diabetes</i> , <b>1999</b> , 48, 2390-7	0.9	86
153	Therapeutic Potential of Mesenchymal Stem Cells for Cancer Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 43	5.8	85
152	Non-genomic actions of 17beta-oestradiol in mouse pancreatic beta-cells are mediated by a cGMP-dependent protein kinase. <i>Journal of Physiology</i> , <b>1999</b> , 521 Pt 2, 397-407	3.9	81
151	Adipose-derived mesenchymal stem cells (AdMSC) for the treatment of secondary-progressive multiple sclerosis: A triple blinded, placebo controlled, randomized phase I/II safety and feasibility study. <i>PLoS ONE</i> , <b>2018</b> , 13, e0195891	3.7	80
150	Glucose induces opposite intracellular Ca <sup>2+</sup> concentration oscillatory patterns in identified alpha- and beta-cells within intact human islets of Langerhans. <i>Diabetes</i> , <b>2006</b> , 55, 2463-9	0.9	80
149	Nuclear KATP channels trigger nuclear Ca(2+) transients that modulate nuclear function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 9544-9	11.5	73
148	Glucose-induced [Ca <sup>2+</sup> ] <sub>i</sub> oscillations in single human pancreatic islets. <i>Cell Calcium</i> , <b>1996</b> , 20, 409-14	4	66
147	Gap junctional intercellular communication is required to maintain embryonic stem cells in a non-differentiated and proliferative state. <i>Journal of Cellular Physiology</i> , <b>2008</b> , 214, 354-62	7	64
146	Angiographic demonstration of neoangiogenesis after intra-arterial infusion of autologous bone marrow mononuclear cells in diabetic patients with critical limb ischemia. <i>Cell Transplantation</i> , <b>2011</b> , 20, 1629-39	4	63
145	Cancer genes hypermethylated in human embryonic stem cells. <i>PLoS ONE</i> , <b>2008</b> , 3, e3294	3.7	63
144	Voltage-sensitive calcium flux into bovine chromaffin cells occurs through dihydropyridine-sensitive and dihydropyridine- and omega-conotoxin-insensitive pathways. <i>Neuroscience</i> , <b>1989</b> , 29, 735-47	3.9	60
143	Role of syntaxin in mouse pancreatic beta cells. <i>Diabetologia</i> , <b>1995</b> , 38, 860-3	10.3	57
142	Estrogen and xenoestrogen actions on endocrine pancreas: from ion channel modulation to activation of nuclear function. <i>Steroids</i> , <b>2004</b> , 69, 531-6	2.8	56

141	The relationship between glucose-induced K <sup>+</sup> ATP channel closure and the rise in [Ca <sup>2+</sup> ] <sub>i</sub> in single mouse pancreatic beta-cells. <i>Journal of Physiology</i> , <b>1992</b> , 455, 173-86	3.9	55
140	Transcriptional control of mammalian pancreas organogenesis. <i>Cellular and Molecular Life Sciences</i> , <b>2014</b> , 71, 2383-402	10.3	53
139	Costes directos de la diabetes mellitus y de sus complicaciones en España (Estudio SECCAID: Spain estimated cost Ciberdem-Cabimer in Diabetes). <i>Avances En Diabetología</i> , <b>2013</b> , 29, 182-189		53
138	Nutrigenetics and nutrigenomics insights into diabetes etiopathogenesis. <i>Nutrients</i> , <b>2014</b> , 6, 5338-69	6.7	52
137	Developing biological resource banks as a supporting tool for wildlife reproduction and conservation The Iberian lynx bank as a model for other endangered species. <i>Animal Reproduction Science</i> , <b>2009</b> , 112, 347-61	2.1	52
136	Nitric oxide repression of Nanog promotes mouse embryonic stem cell differentiation. <i>Cell Death and Differentiation</i> , <b>2010</b> , 17, 1025-33	12.7	51
135	Low concentrations of nitric oxide delay the differentiation of embryonic stem cells and promote their survival. <i>Cell Death and Disease</i> , <b>2010</b> , 1, e80	9.8	49
134	Properties of the nociceptive neurons of the leech segmental ganglion. <i>Journal of Neurophysiology</i> , <b>1996</b> , 75, 2268-79	3.2	48
133	Different metabolic responses in alpha-, beta-, and delta-cells of the islet of Langerhans monitored by redox confocal microscopy. <i>Biophysical Journal</i> , <b>2006</b> , 90, 2641-50	2.9	47
132	Bottlenecks in the Efficient Use of Advanced Therapy Medicinal Products Based on Mesenchymal Stromal Cells. <i>Stem Cells International</i> , <b>2015</b> , 2015, 895714	5	46
131	Adipose mesenchymal stromal cells isolated from type 2 diabetic patients display reduced fibrinolytic activity. <i>Diabetes</i> , <b>2013</b> , 62, 4266-9	0.9	46
130	Nicotinamide induces differentiation of embryonic stem cells into insulin-secreting cells. <i>Experimental Cell Research</i> , <b>2008</b> , 314, 969-74	4.2	46
129	Engineering pancreatic islets. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2000</b> , 440, 1-18	4.6	43
128	Transforming growth factor (TGF)beta, fibroblast growth factor (FGF) and retinoid signalling pathways promote pancreatic exocrine gene expression in mouse embryonic stem cells. <i>Biochemical Journal</i> , <b>2004</b> , 379, 749-56	3.8	42
127	Ectodermal commitment of insulin-producing cells derived from mouse embryonic stem cells. <i>FASEB Journal</i> , <b>2005</b> , 19, 1341-3	0.9	42
126	Nicotinamide induces both proliferation and differentiation of embryonic stem cells into insulin-producing cells. <i>Transplantation Proceedings</i> , <b>2003</b> , 35, 2021-3	1.1	39
125	GATA4 loss in the septum transversum mesenchyme promotes liver fibrosis in mice. <i>Hepatology</i> , <b>2014</b> , 59, 2358-70	11.2	37
124	Isolation and characterization of residual undifferentiated mouse embryonic stem cells from embryoid body cultures by fluorescence tracking. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2006</b> , 42, 115-23	2.6	37

123	Monte carlo simulation of 3-D buffered Ca(2+) diffusion in neuroendocrine cells. <i>Biophysical Journal</i> , <b>2000</b> , 78, 13-33	2.9	37
122	Intracellular diadenosine polyphosphates: a novel second messenger in stimulus-secretion coupling. <i>FASEB Journal</i> , <b>1998</b> , 12, 1499-506	0.9	37
121	On-line analysis of gap junctions reveals more efficient electrical than dye coupling between islet cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2003</b> , 284, E980-7	6	36
120	Development of a cell-based medicinal product: regulatory structures in the European Union. <i>British Medical Bulletin</i> , <b>2013</b> , 105, 85-105	5.4	35
119	Insulin-secreting cells derived from stem cells: clinical perspectives, hypes and hopes. <i>Transplant Immunology</i> , <b>2005</b> , 15, 113-29	1.7	35
118	Modeling study of exocytosis in neuroendocrine cells: influence of the geometrical parameters. <i>Biophysical Journal</i> , <b>2000</b> , 79, 1771-86	2.9	35
117	Inhibition of insulin release by synthetic peptides shows that the H3 region at the C-terminal domain of syntaxin-1 is crucial for Ca(2+)- but not for guanosine 5P[gamma-thio]triphosphate-induced secretion. <i>Biochemical Journal</i> , <b>1996</b> , 320 ( Pt 1), 201-5	3.8	35
116	Gene-Diet Interactions in Type 2 Diabetes: The Chicken and Egg Debate. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	34
115	Regulation of pancreatic beta-cell electrical activity and insulin release by physiological amino acid concentrations. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1997</b> , 433, 699-704	4.6	34
114	An extra virgin olive oil rich diet intervention ameliorates the nonalcoholic steatohepatitis induced by a high-fat "Western-type" diet in mice. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1600549	5.9	33
113	Toward cell-based therapy of type I diabetes. <i>Trends in Immunology</i> , <b>2008</b> , 29, 68-74	14.4	33
112	LRH-1 agonism favours an immune-islet dialogue which protects against diabetes mellitus. <i>Nature Communications</i> , <b>2018</b> , 9, 1488	17.4	31
111	The immune boundaries for stem cell based therapies: problems and prospective solutions. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 1464-75	5.6	31
110	Lysophosphatidic acid induces Ca2+ mobilization and c-Myc expression in mouse embryonic stem cells via the phospholipase C pathway. <i>Cellular Signalling</i> , <b>2009</b> , 21, 523-8	4.9	31
109	Evidence that muscarinic potentiation of insulin release is initiated by an early transient calcium entry. <i>FEBS Letters</i> , <b>1988</b> , 231, 143-7	3.8	31
108	Standard requirement of a microbiological quality control program for the manufacture of human mesenchymal stem cells for clinical use. <i>Stem Cells and Development</i> , <b>2014</b> , 23, 1074-83	4.4	30
107	Mechanisms of glucose hypersensitivity in beta-cells from normoglycemic, partially pancreatectomized mice. <i>Diabetes</i> , <b>1999</b> , 48, 1954-61	0.9	29
106	PAX4 Defines an Expandable $\beta$ -Cell Subpopulation in the Adult Pancreatic Islet. <i>Scientific Reports</i> , <b>2015</b> , 5, 15672	4.9	28

105	Recent progress in the study of the intracellular functions of diadenosine polyphosphates. <i>Drug Development Research</i> , <b>2001</b> , 52, 249-259	5.1	28
104	Nutrient modulation of polarized and sustained submembrane Ca <sup>2+</sup> microgradients in mouse pancreatic islet cells. <i>Journal of Physiology</i> , <b>2000</b> , 525 Pt 1, 159-67	3.9	28
103	Secretagogue-induced [Ca <sup>2+</sup> ] <sub>i</sub> changes in single rat pancreatic islets and correlation with simultaneously measured insulin release. <i>Journal of Molecular Endocrinology</i> , <b>1995</b> , 15, 177-85	4.5	28
102	A halocin acting on Na <sup>+</sup> /H <sup>+</sup> exchanger of haloarchaea as a new type of inhibitor in NHE of mammals. <i>Journal of Physiology and Biochemistry</i> , <b>2006</b> , 62, 253-62	5	27
101	Cost-Effective, Safe, and Personalized Cell Therapy for Critical Limb Ischemia in Type 2 Diabetes Mellitus. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1151	8.4	26
100	Human Mesenchymal Stem Cells Prevent Neurological Complications of Radiotherapy. <i>Frontiers in Cellular Neuroscience</i> , <b>2019</b> , 13, 204	6.1	26
99	Study of the stability of packaging and storage conditions of human mesenchymal stem cell for intra-arterial clinical application in patient with critical limb ischemia. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2014</b> , 86, 459-68	5.7	26
98	Resveratrol ameliorates the maturation process of $\beta$ -cell-like cells obtained from an optimized differentiation protocol of human embryonic stem cells. <i>PLoS ONE</i> , <b>2015</b> , 10, e0119904	3.7	26
97	miR-7 Modulates hESC Differentiation into Insulin-Producing Beta-like Cells and Contributes to Cell Maturation. <i>Molecular Therapy - Nucleic Acids</i> , <b>2018</b> , 12, 463-477	10.7	25
96	PDGF Restores the Defective Phenotype of Adipose-Derived Mesenchymal Stromal Cells from Diabetic Patients. <i>Molecular Therapy</i> , <b>2018</b> , 26, 2696-2709	11.7	25
95	The type 2 diabetes-associated HMG20A gene is mandatory for islet beta cell functional maturity. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 279	9.8	24
94	Regulation of pancreatic $\beta$ -cell survival by nitric oxide: clinical relevance. <i>Islets</i> , <b>2012</b> , 4, 108-18	2	24
93	Effects of calcium buffering on glucose-induced insulin release in mouse pancreatic islets: an approximation to the calcium sensor. <i>Journal of Physiology</i> , <b>1999</b> , 520 Pt 2, 473-83	3.9	21
92	Functional vascular smooth muscle-like cells derived from adult mouse uterine mesothelial cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e55181	3.7	21
91	Role of nitric oxide in the maintenance of pluripotency and regulation of the hypoxia response in stem cells. <i>World Journal of Stem Cells</i> , <b>2015</b> , 7, 605-17	5.6	19
90	Islet cell development. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 654, 59-75	3.6	19
89	Stem cells and diabetes. <i>Biomedicine and Pharmacotherapy</i> , <b>2001</b> , 55, 206-12	7.5	19
88	Mesothelial cells: a cellular surrogate for tissue engineering of corneal endothelium <b>2014</b> , 55, 5967-78		18

87	Zebularine regulates early stages of mESC differentiation: effect on cardiac commitment. <i>Cell Death and Disease</i> , <b>2013</b> , 4, e570	9.8	18
86	Cell therapy for diabetes mellitus: an opportunity for stem cells?. <i>Cells Tissues Organs</i> , <b>2008</b> , 188, 70-7	2.1	18
85	Novel players in pancreatic islet signaling: from membrane receptors to nuclear channels. <i>Diabetes</i> , <b>2004</b> , 53 Suppl 1, S86-91	0.9	18
84	Nutrient toxicity in pancreatic beta-cell dysfunction. <i>Journal of Physiology and Biochemistry</i> , <b>2000</b> , 56, 119-28	5	18
83	Oestrogen receptor $\alpha$ mediates the actions of bisphenol-A on ion channel expression in mouse pancreatic beta cells. <i>Diabetologia</i> , <b>2019</b> , 62, 1667-1680	10.3	17
82	Use of Mesothelial Cells and Biological Matrices for Tissue Engineering of Simple Epithelium Surrogates. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2015</b> , 3, 117	5.8	17
81	Cytosolic Ca <sup>2+</sup> gradients in pancreatic islet-cells stimulated by glucose and carbachol. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 235, 465-8	3.4	17
80	Extra virgin olive oil diet intervention improves insulin resistance and islet performance in diet-induced diabetes in mice. <i>Scientific Reports</i> , <b>2019</b> , 9, 11311	4.9	16
79	Umbilical cord blood plasma contains soluble NKG2D ligands that mediate loss of natural killer cell function and cytotoxicity. <i>European Journal of Immunology</i> , <b>2015</b> , 45, 2324-34	6.1	16
78	Role of small bioorganic molecules in stem cell differentiation to insulin-producing cells. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 6466-74	3.4	16
77	Properties of miniature post-synaptic currents at the Torpedo marmorata nerve-electroplate junction. <i>Quarterly Journal of Experimental Physiology (Cambridge, England)</i> , <b>1983</b> , 68, 189-202		16
76	Using stem cells to produce insulin. <i>Expert Opinion on Biological Therapy</i> , <b>2015</b> , 15, 1469-89	5.4	15
75	GATA6 Controls Insulin Biosynthesis and Secretion in Adult $\beta$ -Cells. <i>Diabetes</i> , <b>2018</b> , 67, 448-460	0.9	15
74	Nitric oxide mediates the survival action of IGF-1 and insulin in pancreatic beta cells. <i>Cellular Signalling</i> , <b>2008</b> , 20, 301-10	4.9	15
73	Single mechanosensitive and Ca <sup>2+</sup> -sensitive channel currents recorded from mouse and human embryonic stem cells. <i>Journal of Membrane Biology</i> , <b>2013</b> , 246, 215-30	2.3	14
72	Nutrients induce different Ca(2+) signals in cytosol and nucleus in pancreatic beta-cells. <i>Diabetes</i> , <b>2004</b> , 53 Suppl 1, S92-5	0.9	14
71	Zn <sup>2+</sup> chelation by serum albumin improves hexameric Zn <sup>2+</sup> -insulin dissociation into monomers after exocytosis. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187547	3.7	13
70	Nitric Oxide Prevents Mouse Embryonic Stem Cell Differentiation Through Regulation of Gene Expression, Cell Signaling, and Control of Cell Proliferation. <i>Journal of Cellular Biochemistry</i> , <b>2016</b> , 117, 2078-88	4.7	13



69	EGF-induced adipose tissue mesothelial cells undergo functional vascular smooth muscle differentiation. <i>Cell Death and Disease</i> , <b>2014</b> , 5, e1304	9.8	13
68	Bio-engineering insulin-secreting cells from embryonic stem cells: a review of progress. <i>Medical and Biological Engineering and Computing</i> , <b>2003</b> , 41, 384-91	3.1	13
67	Cryobanking the genetic diversity in the critically endangered Iberian lynx ( <i>Lynx pardinus</i> ) from skin biopsies. Investigating the cryopreservation and culture ability of highly valuable explants and cells. <i>Cryobiology</i> , <b>2011</b> , 62, 145-51	2.7	12
66	Gastrointestinal stem cells. I. Pancreatic stem cells. <i>American Journal of Physiology - Renal Physiology</i> , <b>2005</b> , 289, G177-80	5.1	12
65	Direct visualization by confocal fluorescent microscopy of the permeation of myristoylated peptides through the cell membrane. <i>IUBMB Life</i> , <b>2002</b> , 54, 33-6	4.7	11
64	Intracellular location of KATP channels and sulphonylurea receptors in the pancreatic beta-cell: new targets for oral antidiabetic agents. <i>Current Medicinal Chemistry</i> , <b>2004</b> , 11, 2707-16	4.3	11
63	Directed pancreatic acinar differentiation of mouse embryonic stem cells via embryonic signalling molecules and exocrine transcription factors. <i>PLoS ONE</i> , <b>2013</b> , 8, e54243	3.7	10
62	Differentiation of Mouse Embryonic Stem Cells toward Functional Pancreatic $\beta$ -Cell Surrogates through Epigenetic Regulation of Pdx1 by Nitric Oxide. <i>Cell Transplantation</i> , <b>2016</b> , 25, 1879-1892	4	9
61	Differential blockage of two types of potassium channels in the crab giant axon. <i>Journal of Membrane Biology</i> , <b>1985</b> , 84, 127-35	2.3	8
60	A Role for the Host in the Roadmap to Diabetes Stem Cell Therapy. <i>Diabetes</i> , <b>2016</b> , 65, 1155-7	0.9	8
59	Dissecting the Brain/Islet Axis in Metabesity. <i>Genes</i> , <b>2019</b> , 10,	4.2	7
58	Natural Killer Cells Improve Hematopoietic Stem Cell Engraftment by Increasing Stem Cell Clonogenicity In Vitro and in a Humanized Mouse Model. <i>PLoS ONE</i> , <b>2015</b> , 10, e0138623	3.7	7
57	Transient Downregulation of Nanog and Oct4 Induced by DETA/NO Exposure in Mouse Embryonic Stem Cells Leads to Mesodermal/Endodermal Lineage Differentiation. <i>Stem Cells International</i> , <b>2014</b> , 2014, 379678	5	7
56	Pancreatic islet cells: a model for calcium-dependent peptide release. <i>HFSP Journal</i> , <b>2010</b> , 4, 52-60		7
55	The use of gating technology in bioengineering insulin-secreting cells from embryonic stem cells. <i>Cytotechnology</i> , <b>2003</b> , 41, 145-51	2.2	7
54	Impact of exposure to low concentrations of nitric oxide on protein profile in murine and human pancreatic islet cells. <i>Islets</i> , <b>2014</b> , 6, e995997	2	6
53	A refined characterisation of the NeoHepatocyte phenotype necessitates a reappraisal of the transdifferentiation hypothesis. <i>Differentiation</i> , <b>2009</b> , 77, 263-76	3.5	6
52	Muscarinic inhibition of pancreatic B-cells. <i>European Journal of Pharmacology</i> , <b>1991</b> , 205, 89-91	5.3	6



51	Pancreatic differentiation of Pdx1-GFP reporter mouse induced pluripotent stem cells. <i>Differentiation</i> , <b>2016</b> , 92, 249-256	3.5	6
50	Generation of new islets from stem cells. <i>Cell Biochemistry and Biophysics</i> , <b>2004</b> , 40, 113-24	3.2	5
49	Inadequate control of thyroid hormones sensitizes to hepatocarcinogenesis and unhealthy aging. <i>Aging</i> , <b>2019</b> , 11, 7746-7779	5.6	5
48	Regulation of mitochondrial function and endoplasmic reticulum stress by nitric oxide in pluripotent stem cells. <i>World Journal of Stem Cells</i> , <b>2017</b> , 9, 26-36	5.6	5
47	Impact of transient down-regulation of DREAM in human embryonic stem cell pluripotency: The role of DREAM in the maintenance of hESCs. <i>Stem Cell Research</i> , <b>2016</b> , 16, 568-78	1.6	4
46	Generation of Pancreatic Islets from Stem Cells <b>2014</b> , 837-847		4
45	Dual Trade of Bcl-2 and Bcl-xL in islet physiology: balancing life and death with metabolism secretion coupling. <i>Diabetes</i> , <b>2013</b> , 62, 18-21	0.9	4
44	Glucose metabolism regulates cytosolic Ca <sup>2+</sup> in the pancreatic beta-cell by three different mechanisms. <i>Advances in Experimental Medicine and Biology</i> , <b>1997</b> , 426, 235-43	3.6	4
43	Effects of hexose pentaacetates on electrical activity and cytosolic Ca <sup>2+</sup> in mouse pancreatic islets. <i>International Journal of Molecular Medicine</i> , <b>1999</b> , 3, 15-20	4.4	4
42	Inactivation of Delayed Potassium Current in Cultured Bovine Chromaffin Cells. <i>European Journal of Neuroscience</i> , <b>1991</b> , 3, 462-472	3.5	4
41	Further evidence that Zn <sup>2+</sup> blocks voltage-dependent Ca <sup>2+</sup> channels in the mouse pancreatic $\beta$ -cell. <i>Biochemical Society Transactions</i> , <b>1985</b> , 13, 680-681	5.1	4
40	Corneal Regeneration: Use of Extracorneal Stem Cells. <i>Essentials in Ophthalmology</i> , <b>2019</b> , 123-144	0.2	3
39	Nitric Oxide And Hypoxia Response In Pluripotent Stem Cells. <i>Redox Biology</i> , <b>2015</b> , 5, 417-418	11.3	3
38	L-Type Ca(2+) Channels and SK Channels in Mouse Embryonic Stem Cells and Their Contribution to Cell Proliferation. <i>Journal of Membrane Biology</i> , <b>2015</b> , 248, 671-82	2.3	3
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