Bernat Soria

List of Publications by Year
in descending order

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178 papers	8,754 citations	44042 48 h-index	48277 88 g-index
184 all docs	184 docs citations	184 times ranked	8851 citing authors

#	Article	IF	Citations
1	Pdx1 Is Transcriptionally Regulated by EGR-1 during Nitric Oxide-Induced Endoderm Differentiation of Mouse Embryonic Stem Cells. International Journal of Molecular Sciences, 2022, 23, 3920.	1.8	0
2	Human Omental Mesothelial Cells Impart an Immunomodulatory Landscape Impeding B- and T-Cell Activation. International Journal of Molecular Sciences, 2022, 23, 5924.	1.8	1
3	A new shortened protocol to obtain islet-like cells from hESC-derived ductal cells. In Vitro Cellular and Developmental Biology - Animal, 2021, 57, 587-597.	0.7	0
4	Stemness of Human Pluripotent Cells: Hypoxia-Like Response Induced by Low Nitric Oxide. Antioxidants, 2021, 10, 1408.	2.2	3
5	Efficacy and safety of intramuscular administration of allogeneic adipose tissue derived and expanded mesenchymal stromal cells in diabetic patients with critical limb ischemia with no possibility of revascularization: study protocol for a randomized controlled double-blind phase II clinical trial (The NOMA Trial). Trials, 2021, 22, 595.	0.7	7
6	A Phase I/II Dose-Escalation Multi-Center Study to Evaluate the Safety of Infusion of Natural Killer Cells or Memory T Cells As Adoptive Therapy in Coronavirus Pneumonia and/or Lymphopenia: (RELEASE) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	0
7	Editorial: A Compendium of Recent Research on Stem Cell-Based Therapy for Covid-19. Frontiers in Cell and Developmental Biology, 2021, 9, 813384.	1.8	0
8	AICAR Stimulates the Pluripotency Transcriptional Complex in Embryonic Stem Cells Mediated by PI3K, GSK3Î², and Î²-Catenin. ACS Omega, 2020, 5, 20270-20282.	1.6	3
9	Adipose-derived mesenchymal stromal cells for the treatment of patients with severe SARS-CoV-2 pneumonia requiring mechanical ventilation. A proof of concept study. EClinicalMedicine, 2020, 25, 100454.	3.2	136
10	Therapeutic Potential of Mesenchymal Stem Cells for Cancer Therapy. Frontiers in Bioengineering and Biotechnology, 2020, 8, 43.	2.0	204
11	Generation of pancreatic islets from stem cells. , 2020, , 657-664.		0
12	Mesenchymal Stromal Cell-Based Therapies as Promising Treatments for Muscle Regeneration After Snakebite Envenoming. Frontiers in Immunology, 2020, 11, 609961.	2.2	4
13	Extra virgin olive oil diet intervention improves insulin resistance and islet performance in diet-induced diabetes in mice. Scientific Reports, 2019, 9, 11311.	1.6	23
14	Oestrogen receptor Î² mediates the actions of bisphenol-A on ion channel expression in mouse pancreatic beta cells. Diabetologia, 2019, 62, 1667-1680.	2.9	46
15	Cost-Effective, Safe, and Personalized Cell Therapy for Critical Limb Ischemia in Type 2 Diabetes Mellitus. Frontiers in Immunology, 2019, 10, 1151.	2.2	52
16	Human Mesenchymal Stem Cells Prevent Neurological Complications of Radiotherapy. Frontiers in Cellular Neuroscience, 2019, 13, 204.	1.8	43
17	Dissecting the Brain/Islet Axis in Metabesity. Genes, 2019, 10, 350.	1.0	11
18	Corneal Regeneration: Use of Extracorneal Stem Cells. Essentials in Ophthalmology, 2019, , 123-144.	0.0	3

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19	Stem Cells: Concept, Properties, and Characterization. Essentials in Ophthalmology, 2019, , 41-55.	0.0	1
20	Corneal Stem Cells: Identification and Methods of Ex Vivo Expansion. Essentials in Ophthalmology, 2019, , 57-75.	0.0	0
21	Inadequate control of thyroid hormones sensitizes to hepatocarcinogenesis and unhealthy aging. Aging, 2019, 11, 7746-7779.	1.4	12
22	LRH-1 agonism favours an immune-islet dialogue which protects against diabetes mellitus. Nature Communications, 2018, 9, 1488.	5.8	50
23	The type 2 diabetes-associated HMG20A gene is mandatory for islet beta cell functional maturity. Cell Death and Disease, 2018, 9, 279.	2.7	36
24	GATA6 Controls Insulin Biosynthesis and Secretion in Adult Î²-Cells. Diabetes, 2018, 67, 448-460.	0.3	25
25	PDGF Restores the Defective Phenotype of Adipose-Derived Mesenchymal Stromal Cells from Diabetic Patients. Molecular Therapy, 2018, 26, 2696-2709.	3.7	56
26	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. PLoS ONE, 2018, 13, e0195891.	1.1	112
27	miR-7 Modulates hESC Differentiation into Insulin-Producing Beta-like Cells and Contributes to Cell Maturation. Molecular Therapy - Nucleic Acids, 2018, 12, 463-477.	2.3	33
28	An extra virgin olive oil rich diet intervention ameliorates the nonalcoholic steatohepatitis induced by a highâ€fat â€œWesternâ€typeâ€•diet in mice. Molecular Nutrition and Food Research, 2017, 61, 1600549.	1.5	37
29	Gene-Diet Interactions in Type 2 Diabetes: The Chicken and Egg Debate. International Journal of Molecular Sciences, 2017, 18, 1188.	1.8	48
30	Zn2+ chelation by serum albumin improves hexameric Zn2+-insulin dissociation into monomers after exocytosis. PLoS ONE, 2017, 12, e0187547.	1.1	17
31	Regulation of mitochondrial function and endoplasmic reticulum stress by nitric oxide in pluripotent stem cells. World Journal of Stem Cells, 2017, 9, 26.	1.3	14
32	Differentiation of Mouse Embryonic Stem Cells toward Functional Pancreatic Î²-Cell Surrogates through Epigenetic Regulation ofPdx1by Nitric Oxide. Cell Transplantation, 2016, 25, 1879-1892.	1.2	15
33	Pancreatic differentiation of Pdx1-GFP reporter mouse induced pluripotent stem cells. Differentiation, 2016, 92, 249-256.	1.0	7
34	A Role for the Host in the Roadmap to Diabetes Stem Cell Therapy. Diabetes, 2016, 65, 1155-1157.	0.3	9
35	Nitric Oxide Prevents Mouse Embryonic Stem Cell Differentiation Through Regulation of Gene Expression, Cell Signaling, and Control of Cell Proliferation. Journal of Cellular Biochemistry, 2016, 117, 2078-2088.	1.2	15
36	Derivation of HVR1, HVR2 and HVR3 human embryonic stem cell lines from IVF embryos after preimplantation genetic diagnosis (PGD) for monogenic disorder. Stem Cell Research, 2016, 16, 635-639.	0.3	1

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37	Impact of transient down-regulation of DREAM in human embryonic stem cell pluripotency. Stem Cell Research, 2016, 16, 568-578.	0.3	6
38	PAX4 Defines an Expandable Î²-Cell Subpopulation in the Adult Pancreatic Islet. Scientific Reports, 2015, 5, 15672.	1.6	38
39	Nitric Oxide And Hypoxia Response In Pluripotent Stem Cells. Redox Biology, 2015, 5, 417-418.	3.9	4
40	Umbilical cord blood plasma contains soluble NKG2D ligands that mediate loss of natural killer cell function and cytotoxicity. European Journal of Immunology, 2015, 45, 2324-2334.	1.6	21
41	Role of nitric oxide in the maintenance of pluripotency and regulation of the hypoxia response in stem cells. World Journal of Stem Cells, 2015, 7, 605.	1.3	21
42	Use of Mesothelial Cells and Biological Matrices for Tissue Engineering of Simple Epithelium Surrogates. Frontiers in Bioengineering and Biotechnology, 2015, 3, 117.	2.0	26
43	Resveratrol Ameliorates the Maturation Process of Î²-Cell-Like Cells Obtained from an Optimized Differentiation Protocol of Human Embryonic Stem Cells. PLoS ONE, 2015, 10, e0119904.	1.1	29
44	Natural Killer Cells Improve Hematopoietic Stem Cell Engraftment by Increasing Stem Cell Clonogenicity In Vitro and in a Humanized Mouse Model. PLoS ONE, 2015, 10, e0138623.	1.1	11
45	Bottlenecks in the Efficient Use of Advanced Therapy Medicinal Products Based on Mesenchymal Stromal Cells. Stem Cells International, 2015, 2015, 1-12.	1.2	58
46	L-Type Ca2+ Channels and SK Channels in Mouse Embryonic Stem Cells and Their Contribution to Cell Proliferation. Journal of Membrane Biology, 2015, 248, 671-682.	1.0	3
47	Using stem cells to produce insulin. Expert Opinion on Biological Therapy, 2015, 15, 1469-1489.	1.4	19
48	Regulation of Pancreatic Islet Formation. , 2015, , 109-128.		3
49	Impact of exposure to low concentrations of nitric oxide on protein profile in murine and human pancreatic islet cells. Islets, 2014, 6, e995997.	0.9	7
50	EGF-induced adipose tissue mesothelial cells undergo functional vascular smooth muscle differentiation. Cell Death and Disease, 2014, 5, e1304-e1304.	2.7	18
51	Nutrigenetics and Nutrigenomics Insights into Diabetes Etiopathogenesis. Nutrients, 2014, 6, 5338-5369.	1.7	70
52	Transient Downregulation of Nanog and Oct4 Induced by DETA/NO Exposure in Mouse Embryonic Stem Cells Leads to Mesodermal/Endodermal Lineage Differentiation. Stem Cells International, 2014, 2014, 1-11.	1.2	7
53	Standard Requirement of a Microbiological Quality Control Program for the Manufacture of Human Mesenchymal Stem Cells for Clinical Use. Stem Cells and Development, 2014, 23, 1074-1083.	1.1	35
54	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. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 86, 459-468.	2.0	32

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55	Generation of Pancreatic Islets from Stem Cells. , 2014, , 837-847.		4
56	GATA4 loss in the septum transversum mesenchyme promotes liver fibrosis in mice. Hepatology, 2014, 59, 2358-2370.	3.6	53
57	Mesothelial Cells: A Cellular Surrogate for Tissue Engineering of Corneal Endothelium. , 2014, 55, 5967.		21
58	Transcriptional control of mammalian pancreas organogenesis. Cellular and Molecular Life Sciences, 2014, 71, 2383-2402.	2.4	58
59	Regulation of Pancreatic Islet Formation. , 2014, , 1-19.		0
60	Development of a cell-based medicinal product: regulatory structures in the European Union. British Medical Bulletin, 2013, 105, 85-105.	2.7	43
61	Single Mechanosensitive and Ca2+-Sensitive Channel Currents Recorded from Mouse and Human Embryonic Stem Cells. Journal of Membrane Biology, 2013, 246, 215-230.	1.0	15
62	Costes directos de la diabetes mellitus y de sus complicaciones en EspaÃ±a (Estudio SECCAID: Spain) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.1	69
63	Adipose Mesenchymal Stromal Cells Isolated From Type 2 Diabetic Patients Display Reduced Fibrinolytic Activity. Diabetes, 2013, 62, 4266-4269.	0.3	63
64	Zebularine regulates early stages of mESC differentiation: effect on cardiac commitment. Cell Death and Disease, 2013, 4, e570-e570.	2.7	21
65	Dual Trade of Bcl-2 and Bcl-xLin Islet Physiology. Diabetes, 2013, 62, 18-21.	0.3	4
66	Directed Pancreatic Acinar Differentiation of Mouse Embryonic Stem Cells via Embryonic Signalling Molecules and Exocrine Transcription Factors. PLoS ONE, 2013, 8, e54243.	1.1	14
67	Functional Vascular Smooth Muscle-like Cells Derived from Adult Mouse Uterine Mesothelial Cells. PLoS ONE, 2013, 8, e55181.	1.1	25
68	Regulation of pancreatic Î²-cell survival by nitric oxide. Islets, 2012, 4, 108-118.	0.9	31
69	The immortal strand hypothesis: still non-randomly segregating opinions. Biomolecular Concepts, 2012, 3, 203-211.	1.0	3
70	GATA4 and GATA6 control mouse pancreas organogenesis. Journal of Clinical Investigation, 2012, 122, 3504-3515.	3.9	135
71	Cryobanking the genetic diversity in the critically endangered Iberian lynx (Lynx pardinus) from skin biopsies. Investigating the cryopreservation and culture ability of highly valuable explants and cells. Cryobiology, 2011, 62, 145-151.	0.3	17
72	Angiographic Demonstration of Neoangiogenesis after Intra-arterial Infusion of Autologous Bone Marrow Mononuclear Cells in Diabetic Patients with Critical Limb Ischemia. Cell Transplantation, 2011, 20, 1629-1639.	1.2	75

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73	Monoclonal Antibody That Recognizes a Domain on Heterogeneous Nuclear Ribonucleoprotein K and PTB-Associated Splicing Factor. Hybridoma, 2011, 30, 53-59.	0.5	2
74	Islet Cell Development. Advances in Experimental Medicine and Biology, 2010, 654, 59-75.	0.8	24
75	Sirtuin 1 regulation of developmental genes during differentiation of stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13736-13741.	3.3	154
76	Nitric oxide repression of Nanog promotes mouse embryonic stem cell differentiation. Cell Death and Differentiation, 2010, 17, 1025-1033.	5.0	64
77	Low concentrations of nitric oxide delay the differentiation of embryonic stem cells and promote their survival. Cell Death and Disease, 2010, 1, e80-e80.	2.7	62
78	Pancreatic islet cells: A model for calciumâ€dependent peptide release. HFSP Journal, 2010, 4, 52-60.	2.5	13
79	The immune boundaries for stem cell based therapies: problems and prospective solutions. Journal of Cellular and Molecular Medicine, 2009, 13, 1464-1475.	1.6	38
80	Lysophosphatidic acid induces Ca2+ mobilization and c-Myc expression in mouse embryonic stem cells via the phospholipase C pathway. Cellular Signalling, 2009, 21, 523-528.	1.7	37
81	Taurine supplementation modulates glucose homeostasis and islet function. Journal of Nutritional Biochemistry, 2009, 20, 503-511.	1.9	122
82	A refined characterisation of the NeoHepatocyte phenotype necessitates a reappraisal of the transdifferentiation hypothesis. Differentiation, 2009, 77, 263-276.	1.0	6
83	Developing biological resource banks as a supporting tool for wildlife reproduction and conservation. Animal Reproduction Science, 2009, 112, 347-361.	0.5	63
84	Gap junctional intercellular communication is required to maintain embryonic stem cells in a nonâ€differentiated and proliferative state. Journal of Cellular Physiology, 2008, 214, 354-362.	2.0	70
85	Nicotinamide induces differentiation of embryonic stem cells into insulin-secreting cells. Experimental Cell Research, 2008, 314, 969-974.	1.2	52
86	Nitric oxide mediates the survival action of IGF-1 and insulin in pancreatic Î² cells. Cellular Signalling, 2008, 20, 301-310.	1.7	18
87	Toward cell-based therapy of type I diabetes. Trends in Immunology, 2008, 29, 68-74.	2.9	36
88	Cell Therapy for Diabetes Mellitus: An Opportunity for Stem Cells?. Cells Tissues Organs, 2008, 188, 70-77.	1.3	22
89	Generation of Insulin-Producing Cells from Stem Cells. Novartis Foundation Symposium, 2008, , 158-173.	1.2	4
90	Cancer Genes Hypermethylated in Human Embryonic Stem Cells. PLoS ONE, 2008, 3, e3294.	1.1	75

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91	Software for simulating calcium-triggered exocytotic processes. American Journal of Physiology - Cell Physiology, 2007, 292, C749-C755.	2.1	2
92	Generation of Islets from Stem Cells. , 2007, , 605-618.		1
93	Stem Cell Approaches for _-Cell Replacement. , 2007, , 311-325.		0
94	Different Metabolic Responses in Î±-, Î²-, and Î´-Cells of the Islet of Langerhans Monitored by Redox Confocal Microscopy. Biophysical Journal, 2006, 90, 2641-2650.	0.2	50
95	ISOLATION AND CHARACTERIZATION OF RESIDUAL UNDIFFERENTIATED MOUSE EMBRYONIC STEM CELLS FROM EMBRYOID BODY CULTURES BY FLUORESCENCE TRACKING. In Vitro Cellular and Developmental Biology - Animal, 2006, 42, 115.	0.7	38
96	Role of small bioorganic molecules in stem cell differentiation to insulin-producing cells. Bioorganic and Medicinal Chemistry, 2006, 14, 6466-6474.	1.4	17
97	Induction of Differentiation of Embryonic Stem Cells into Insulin-Secreting Cells by Fetal Soluble Factors. Stem Cells, 2006, 24, 258-265.	1.4	100
98	A halocin acting on Na+/H+ exchanger of Haloarchaea as a new type of inhibitor in NHE of mammals. Journal of Physiology and Biochemistry, 2006, 62, 253-262.	1.3	32
99	Glucose Induces Opposite Intracellular Ca2+Concentration Oscillatory Patterns in Identified Î±- and Î²-Cells Within Intact Human Islets of Langerhans. Diabetes, 2006, 55, 2463-2469.	0.3	89
100	Low Doses of Bisphenol A and Diethylstilbestrol Impair Ca 2+ Signals in Pancreatic Î±-Cells through a Nonclassical Membrane Estrogen Receptor within Intact Islets of Langerhans. Environmental Health Perspectives, 2005, 113, 969-977.	2.8	254
101	Gastrointestinal Stem Cells I. Pancreatic stem cells. American Journal of Physiology - Renal Physiology, 2005, 289, G177-G180.	1.6	12
102	Ectodermal commitment of insulinâ€producing cells derived from mouse embryonic stem cells. FASEB Journal, 2005, 19, 1341-1343.	0.2	44
103	Internal Assessment of a Novel Islet Isolation Facility in Spain. Transplantation Proceedings, 2005, 37, 3404-3406.	0.3	1
104	Insulin-secreting cells derived from stem cells: Clinical perspectives, hypes and hopes. Transplant Immunology, 2005, 15, 113-129.	0.6	36
105	Differentiation of In Vitroâ€"Modified Human Peripheral Blood Monocytes Into Hepatocyteâ€"like and Pancreatic Islet-like Cells. Gastroenterology, 2005, 128, 1774-1786.	0.6	194
106	OVERVIEW OF PROGRESS IN THE DIFFERENTIATION OF EMBRYONIC STEM CELLS INTO PANCREATIC BETA-CELL DERIVATIVES. , 2005, , 205-219.		0
107	Generation of insulin-producing cells from stem cells. Novartis Foundation Symposium, 2005, 265, 158-67; discussion 167-73, 204-11.	1.2	1
108	Novel Players in Pancreatic Islet Signaling: From Membrane Receptors to Nuclear Channels. Diabetes, 2004, 53, S86-S91.	0.3	20

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109	Generation of new islets from stem cells. Cell Biochemistry and Biophysics, 2004, 40, 113-123.	0.9	6
110	Generation of new islets from stem cells. Cell Biochemistry and Biophysics, 2004, 2004, 113-123.	0.9	0
111	In vitro directed differentiation of mouse embryonic stem cells into insulin-producing cells. Diabetologia, 2004, 47, 1442-51.	2.9	144
112	Estrogen and xenoestrogen actions on endocrine pancreas: from ion channel modulation to activation of nuclear function. Steroids, 2004, 69, 531-536.	0.8	59
113	Nutrients Induce Different Ca2+ Signals in Cytosol and Nucleus in Pancreatic Â-Cells. Diabetes, 2004, 53, S92-S95.	0.3	17
114	Intracellular Location of KATP Channels and Sulphonylurea Receptors in the Pancreatic Î²-cell: New Targets for Oral Antidiabetic Agents. Current Medicinal Chemistry, 2004, 11, 2707-2716.	1.2	13
115	Transforming growth factor (TGF)beta, fibroblast growth factor (FGF) and retinoid signalling pathways promote pancreatic exocrine gene expression in mouse embryonic stem cells. Biochemical Journal, 2004, 379, 749-756.	1.7	47
116	Generation of New Islets From Stem Cells. Cell Biochemistry and Biophysics, 2004, 40, 113-124.	0.9	1
117	The use of gating technology in bioengineering insulin-secreting cells from embryonic stem cells. Cytotechnology, 2003, 41, 145-151.	0.7	7
118	Bio-engineering insulin-secreting cells from embryonic stem cells: A review of progress. Medical and Biological Engineering and Computing, 2003, 41, 384-391.	1.6	15
119	Bovine subcommissural organ displays spontaneous and synchronous intracellular calcium oscillations. Brain Research, 2003, 977, 90-96.	1.1	3
120	Nicotinamide induces both proliferation and differentiation of embryonic stem cells into insulin-producing cells. Transplantation Proceedings, 2003, 35, 2021-2023.	0.3	44
121	Mitochondrial Dysfunction Is Involved in Apoptosis Induced by Serum Withdrawal and Fatty Acids in the Î²-Cell Line Ins-1. Endocrinology, 2003, 144, 335-345.	1.4	170
122	On-line analysis of gap junctions reveals more efficient electrical than dye coupling between islet cells. American Journal of Physiology - Endocrinology and Metabolism, 2003, 284, E980-E987.	1.8	40
123	Nuclear KATP channels trigger nuclear Ca2+ transients that modulate nuclear function. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9544-9549.	3.3	82
124	Low doses of the endocrine disruptor Bisphenolâ€A and the native hormone 17Î²â€estradiol rapidly activate the transcription factor CREB. FASEB Journal, 2002, 16, 1671-1673.	0.2	204
125	A Nonclassical Estrogen Membrane Receptor Triggers Rapid Differential Actions in the Endocrine Pancreas. Molecular Endocrinology, 2002, 16, 497-505.	3.7	121
126	Direct Visualization by Confocal Fluorescent Microscopy of the Permeation of Myristoylated Peptides Through the Cell Membrane. IUBMB Life, 2002, 54, 33-36.	1.5	14

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127	The plasma membrane estrogen receptor: nuclear or unclear?. Trends in Pharmacological Sciences, 2001, 22, 597-599.	4.0	65
128	Stem cells and diabetes. Biomedicine and Pharmacotherapy, 2001, 55, 206-212.	2.5	26
129	From stem cells to beta cells: new strategies in cell therapy of diabetes mellitus. Diabetologia, 2001, 44, 407-415.	2.9	164
130	Recent progress in the study of the intracellular functions of diadenosine polyphosphates. Drug Development Research, 2001, 52, 249-259.	1.4	34
131	In-vitro differentiation of pancreatic Î²-cells. Differentiation, 2001, 68, 205-219.	1.0	171
132	Imaging Intracellular Calcium in Living Tissue by Laser-Scanning Confocal Microscopy. , 2001, , 661-671.		0
133	Nutrient modulation of polarized and sustained submembrane Ca 2+ microgradients in mouse pancreatic islet cells. Journal of Physiology, 2000, 525, 159-167.	1.3	31
134	Nutrient toxicity in pancreatic Î²-cell dysfunction. Journal of Physiology and Biochemistry, 2000, 56, 119-128.	1.3	22
135	Engineering pancreatic islets. Pflugers Archiv European Journal of Physiology, 2000, 440, 1-18.	1.3	51
136	Nongenomic actions of estrogens and xenoestrogens by binding at a plasma membrane receptor unrelated to estrogen receptor alpha and estrogen receptor beta. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 11603-11608.	3.3	340
137	Modeling Study of Exocytosis in Neuroendocrine Cells: Influence of the Geometrical Parameters. Biophysical Journal, 2000, 79, 1771-1786.	0.2	43
138	Monte Carlo Simulation of 3-D Buffered Ca2+ Diffusions in Neuroendocrine Cells. Biophysical Journal, 2000, 78, 13-33.	0.2	45
139	Insulin-secreting cells derived from embryonic stem cells normalize glycemia in streptozotocin-induced diabetic mice. Diabetes, 2000, 49, 157-162.	0.3	845
140	Engineering pancreatic islets. Pflugers Archiv European Journal of Physiology, 2000, 440, 1.	1.3	3
141	Junctional communication of pancreatic Î² cells contributes to the control of insulin secretion and glucose tolerance. Journal of Clinical Investigation, 2000, 106, 235-243.	3.9	123
142	Effects of hexose pentaacetates on electrical activity and cytosolic Ca2+ in mouse pancreatic islets.. International Journal of Molecular Medicine, 1999, 3, 15-20.	1.8	4
143	Different effects of tolbutamide and diazoxide in alpha, beta-, and delta-cells within intact islets of Langerhans. Diabetes, 1999, 48, 2390-2397.	0.3	90
144	Mechanisms of glucose hypersensitivity in beta-cells from normoglycemic, partially pancreatectomized mice. Diabetes, 1999, 48, 1954-1961.	0.3	33

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145	Non-genomic actions of 17Î²-oestradiol in mouse pancreatic Î²-cells are mediated by a cGMP-dependent protein kinase. Journal of Physiology, 1999, 521, 397-407.	1.3	96
146	Effects of calcium buffering on glucose-induced insulin release in mouse pancreatic islets: an approximation to the calcium sensor. Journal of Physiology, 1999, 520, 473-483.	1.3	26
147	Homologous and heterologous asynchronicity between identified Î±-, Î²- and Î´-cells within intact islets of Langerhans in the mouse. Journal of Physiology, 1999, 517, 85-93.	1.3	176
148	Palmitate and oleate induce the immediate-early response genes c-fos and nur-77 in the pancreatic beta-cell line INS-1. Diabetes, 1999, 48, 2007-2014.	0.3	126
149	Engineered Peptides Corresponding to Segments of the H3 Domain of Syntaxin Inhibit Insulin Release both in Intact and Permeabilized Mouse Pancreatic Î² Cells. Biochemical and Biophysical Research Communications, 1998, 248, 83-86.	1.0	3
150	Rapid insulinotropic effect of 17Î²â€estradiol via a plasma membrane receptor. FASEB Journal, 1998, 12, 1341-1348.	0.2	196
151	Intracellular diadenosine polyphosphates: a novel second messenger in stimulusâ€secretion coupling. FASEB Journal, 1998, 12, 1499-1506.	0.2	43
152	Cytosolic Ca2+Gradients in Pancreatic Islet-Cells Stimulated by Glucose and Carbachol. Biochemical and Biophysical Research Communications, 1997, 235, 465-468.	1.0	19
153	Glucose Metabolism Regulates Cytosolic Ca2+ in the Pancreatic Î²-Cell by Three Different Mechanisms. Advances in Experimental Medicine and Biology, 1997, 426, 235-243.	0.8	8
154	Regulation of pancreatic Î²-cell electrical activity and insulin release by physiological amino acid concentrations. Pflugers Archiv European Journal of Physiology, 1997, 433, 699-704.	1.3	38
155	Why are Islets so Important?. Advances in Experimental Medicine and Biology, 1997, , 3-10.	0.8	0
156	Oscillations of Cytosolic Ca2+ in Pancreatic Islets of Langerhans. Advances in Experimental Medicine and Biology, 1997, 426, 195-202.	0.8	1
157	Properties of the nociceptive neurons of the leech segmental ganglion. Journal of Neurophysiology, 1996, 75, 2268-2279.	0.9	55
158	Inhibition of insulin release by synthetic peptides shows that the H3 region at the C-terminal domain of syntaxin-1 is crucial for Ca2+- but not for guanosine 5â€²-[Î³-thio]triphosphate-induced secretion. Biochemical Journal, 1996, 320, 201-205.	1.7	40
159	Glucoseminduced [Ca2+]i oscillations in single human pancreatic islets. Cell Calcium, 1996, 20, 409-414.	1.1	73
160	Role of syntaxin in mouse pancreatic beta cells. Diabetologia, 1995, 38, 860-863.	2.9	65
161	Secretagogue-induced [Ca2+]i changes in single rat pancreatic islets and correlation with simultaneously measured insulin release. Journal of Molecular Endocrinology, 1995, 15, 177-185.	1.1	29
162	A role for calcium release-activated current (CRAC) in cholinergic modulation of electrical activity in pancreatic beta-cells. Biophysical Journal, 1995, 68, 2323-2332.	0.2	102

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163	The relationship between glucoseâ€induced K+ATP channel closure and the rise in [Ca2+]i in single mouse pancreatic betaâ€cells.. Journal of Physiology, 1992, 455, 173-186.	1.3	72
164	Muscarinic inhibition of pancreatic B-cells. European Journal of Pharmacology, 1991, 205, 89-91.	1.7	7
165	Inactivation of Delayed Potassium Current in Cultured Bovine Chromaffin Cells. European Journal of Neuroscience, 1991, 3, 462-472.	1.2	4
166	Widespread synchronous [Ca2+]i oscillations due to bursting electrical activity in single pancreatic islets. Pflugers Archiv European Journal of Physiology, 1991, 418, 417-422.	1.3	329
167	Voltage-sensitive calcium flux into bovine chromaffin cells occurs through dihydropyridine-sensitive and dihydropyridine- and Ï‰-conotoxin-insensitive pathways. Neuroscience, 1989, 29, 735-747.	1.1	63
168	Glucose-induced oscillations of intracellular Ca2+concentration resembling bursting electrical activity in single mouse islets of Langerhans. FEBS Letters, 1989, 259, 19-23.	1.3	199
169	Evidence that muscarinic potentiation of insulin release is initiated by an early transient calcium entry. FEBS Letters, 1988, 231, 143-147.	1.3	34
170	Further evidence that Zn2+ blocks voltage-dependent Ca2+ channels in the mouse pancreatic Î²-cell. Biochemical Society Transactions, 1985, 13, 680-681.	1.6	4
171	Anthroylcholine bromide reveals two muscarinic binding sites in rat brain cortex membranes. Biochemical Society Transactions, 1985, 13, 703-704.	1.6	0
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