Bernat Soria

List of Publications by Year
in descending order

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	Insulin-secreting cells derived from embryonic stem cells normalize glycemia in streptozotocin-induced diabetic mice. Diabetes, 2000, 49, 157-162.	0.3	845
2	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
3	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
4	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
5	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
6	Therapeutic Potential of Mesenchymal Stem Cells for Cancer Therapy. Frontiers in Bioengineering and Biotechnology, 2020, 8, 43.	2.0	204
7	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
8	Rapid insulinotropic effect of 17Î²â€estradiol via a plasma membrane receptor. FASEB Journal, 1998, 12, 1341-1348.	0.2	196
9	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
10	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
11	In-vitro differentiation of pancreatic Î²-cells. Differentiation, 2001, 68, 205-219.	1.0	171
12	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
13	From stem cells to beta cells: new strategies in cell therapy of diabetes mellitus. Diabetologia, 2001, 44, 407-415.	2.9	164
14	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
15	In vitro directed differentiation of mouse embryonic stem cells into insulin-producing cells. Diabetologia, 2004, 47, 1442-51.	2.9	144
16	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
17	GATA4 and GATA6 control mouse pancreas organogenesis. Journal of Clinical Investigation, 2012, 122, 3504-3515.	3.9	135
18	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

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19	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
20	Taurine supplementation modulates glucose homeostasis and islet function. Journal of Nutritional Biochemistry, 2009, 20, 503-511.	1.9	122
21	A Nonclassical Estrogen Membrane Receptor Triggers Rapid Differential Actions in the Endocrine Pancreas. Molecular Endocrinology, 2002, 16, 497-505.	3.7	121
22	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
23	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
24	Induction of Differentiation of Embryonic Stem Cells into Insulin-Secreting Cells by Fetal Soluble Factors. Stem Cells, 2006, 24, 258-265.	1.4	100
25	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
26	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
27	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
28	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
29	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
30	Cancer Genes Hypermethylated in Human Embryonic Stem Cells. PLoS ONE, 2008, 3, e3294.	1.1	75
31	Glucoseminduced [Ca2+]i oscillations in single human pancreatic islets. Cell Calcium, 1996, 20, 409-414.	1.1	73
32	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
33	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
34	Nutrigenetics and Nutrigenomics Insights into Diabetes Etiopathogenesis. Nutrients, 2014, 6, 5338-5369.	1.7	70
35	Costes directos de la diabetes mellitus y de sus complicaciones en EspaÃ±a (Estudio SECCAID: Spain) Tj ETQq1 1 0.784314 rgBT /Ove	0.1	69
36	Role of syntaxin in mouse pancreatic beta cells. Diabetologia, 1995, 38, 860-863.	2.9	65

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37	The plasma membrane estrogen receptor: nuclear or unclear?. Trends in Pharmacological Sciences, 2001, 22, 597-599.	4.0	65
38	Nitric oxide repression of Nanog promotes mouse embryonic stem cell differentiation. Cell Death and Differentiation, 2010, 17, 1025-1033.	5.0	64
39	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
40	Developing biological resource banks as a supporting tool for wildlife reproduction and conservation. Animal Reproduction Science, 2009, 112, 347-361.	0.5	63
41	Adipose Mesenchymal Stromal Cells Isolated From Type 2 Diabetic Patients Display Reduced Fibrinolytic Activity. Diabetes, 2013, 62, 4266-4269.	0.3	63
42	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
43	Estrogen and xenoestrogen actions on endocrine pancreas: from ion channel modulation to activation of nuclear function. Steroids, 2004, 69, 531-536.	0.8	59
44	Transcriptional control of mammalian pancreas organogenesis. Cellular and Molecular Life Sciences, 2014, 71, 2383-2402.	2.4	58
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	PDGF Restores the Defective Phenotype of Adipose-Derived Mesenchymal Stromal Cells from Diabetic Patients. Molecular Therapy, 2018, 26, 2696-2709.	3.7	56
47	Properties of the nociceptive neurons of the leech segmental ganglion. Journal of Neurophysiology, 1996, 75, 2268-2279.	0.9	55
48	GATA4 loss in the septum transversum mesenchyme promotes liver fibrosis in mice. Hepatology, 2014, 59, 2358-2370.	3.6	53
49	Nicotinamide induces differentiation of embryonic stem cells into insulin-secreting cells. Experimental Cell Research, 2008, 314, 969-974.	1.2	52
50	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
51	Engineering pancreatic islets. Pflugers Archiv European Journal of Physiology, 2000, 440, 1-18.	1.3	51
52	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
53	LRH-1 agonism favours an immune-islet dialogue which protects against diabetes mellitus. Nature Communications, 2018, 9, 1488.	5.8	50
54	Gene-Diet Interactions in Type 2 Diabetes: The Chicken and Egg Debate. International Journal of Molecular Sciences, 2017, 18, 1188.	1.8	48

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55	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
56	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
57	Monte Carlo Simulation of 3-D Buffered Ca2+ Diffusions in Neuroendocrine Cells. Biophysical Journal, 2000, 78, 13-33.	0.2	45
58	Nicotinamide induces both proliferation and differentiation of embryonic stem cells into insulin-producing cells. Transplantation Proceedings, 2003, 35, 2021-2023.	0.3	44
59	Ectodermal commitment of insulinâ€producing cells derived from mouse embryonic stem cells. FASEB Journal, 2005, 19, 1341-1343.	0.2	44
60	Intracellular diadenosine polyphosphates: a novel second messenger in stimulusâ€secretion coupling. FASEB Journal, 1998, 12, 1499-1506.	0.2	43
61	Modeling Study of Exocytosis in Neuroendocrine Cells: Influence of the Geometrical Parameters. Biophysical Journal, 2000, 79, 1771-1786.	0.2	43
62	Development of a cell-based medicinal product: regulatory structures in the European Union. British Medical Bulletin, 2013, 105, 85-105.	2.7	43
63	Human Mesenchymal Stem Cells Prevent Neurological Complications of Radiotherapy. Frontiers in Cellular Neuroscience, 2019, 13, 204.	1.8	43
64	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
65	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
66	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
67	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
68	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
69	PAX4 Defines an Expandable Î²-Cell Subpopulation in the Adult Pancreatic Islet. Scientific Reports, 2015, 5, 15672.	1.6	38
70	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
71	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
72	Insulin-secreting cells derived from stem cells: Clinical perspectives, hypes and hopes. Transplant Immunology, 2005, 15, 113-129.	0.6	36

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73	Toward cell-based therapy of type I diabetes. Trends in Immunology, 2008, 29, 68-74.	2.9	36
74	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
75	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
76	Evidence that muscarinic potentiation of insulin release is initiated by an early transient calcium entry. FEBS Letters, 1988, 231, 143-147.	1.3	34
77	Recent progress in the study of the intracellular functions of diadenosine polyphosphates. Drug Development Research, 2001, 52, 249-259.	1.4	34
78	Mechanisms of glucose hypersensitivity in beta-cells from normoglycemic, partially pancreatectomized mice. Diabetes, 1999, 48, 1954-1961.	0.3	33
79	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
80	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
81	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
82	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
83	Regulation of pancreatic Î²-cell survival by nitric oxide. Islets, 2012, 4, 108-118.	0.9	31
84	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
85	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
86	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
87	Stem cells and diabetes. Biomedicine and Pharmacotherapy, 2001, 55, 206-212.	2.5	26
88	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
89	GATA6 Controls Insulin Biosynthesis and Secretion in Adult Î²-Cells. Diabetes, 2018, 67, 448-460.	0.3	25
90	Functional Vascular Smooth Muscle-like Cells Derived from Adult Mouse Uterine Mesothelial Cells. PLoS ONE, 2013, 8, e55181.	1.1	25

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91	Islet Cell Development. Advances in Experimental Medicine and Biology, 2010, 654, 59-75.	0.8	24
92	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
93	Nutrient toxicity in pancreatic Î²-cell dysfunction. Journal of Physiology and Biochemistry, 2000, 56, 119-128.	1.3	22
94	Cell Therapy for Diabetes Mellitus: An Opportunity for Stem Cells?. Cells Tissues Organs, 2008, 188, 70-77.	1.3	22
95	Zebularine regulates early stages of mESC differentiation: effect on cardiac commitment. Cell Death and Disease, 2013, 4, e570-e570.	2.7	21
96	Mesothelial Cells: A Cellular Surrogate for Tissue Engineering of Corneal Endothelium. , 2014, 55, 5967.		21
97	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
98	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
99	Novel Players in Pancreatic Islet Signaling: From Membrane Receptors to Nuclear Channels. Diabetes, 2004, 53, S86-S91.	0.3	20
100	Cytosolic Ca2+Gradients in Pancreatic Islet-Cells Stimulated by Glucose and Carbachol. Biochemical and Biophysical Research Communications, 1997, 235, 465-468.	1.0	19
101	Using stem cells to produce insulin. Expert Opinion on Biological Therapy, 2015, 15, 1469-1489.	1.4	19
102	Nitric oxide mediates the survival action of IGF-1 and insulin in pancreatic Î² cells. Cellular Signalling, 2008, 20, 301-310.	1.7	18
103	EGF-induced adipose tissue mesothelial cells undergo functional vascular smooth muscle differentiation. Cell Death and Disease, 2014, 5, e1304-e1304.	2.7	18
104	Nutrients Induce Different Ca2+ Signals in Cytosol and Nucleus in Pancreatic Â-Cells. Diabetes, 2004, 53, S92-S95.	0.3	17
105	Role of small bioorganic molecules in stem cell differentiation to insulin-producing cells. Bioorganic and Medicinal Chemistry, 2006, 14, 6466-6474.	1.4	17
106	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
107	Zn2+ chelation by serum albumin improves hexameric Zn2+-insulin dissociation into monomers after exocytosis. PLoS ONE, 2017, 12, e0187547.	1.1	17
108	PROPERTIES OF MINIATURE POST-SYNAPTIC CURRENTS AT THETORPEDO MARMORATANERVE-ELECTROPLATE JUNCTION. Quarterly Journal of Experimental Physiology (Cambridge, England), 1983, 68, 189-202.	1.0	16

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109	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
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	Pancreatic islet cells: A model for calciumâ€dependent peptide release. HFSP Journal, 2010, 4, 52-60.	2.5	13
118	Gastrointestinal Stem Cells I. Pancreatic stem cells. American Journal of Physiology - Renal Physiology, 2005, 289, G177-G180.	1.6	12
119	Inadequate control of thyroid hormones sensitizes to hepatocarcinogenesis and unhealthy aging. Aging, 2019, 11, 7746-7779.	1.4	12
120	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
121	Dissecting the Brain/Islet Axis in Metabesity. Genes, 2019, 10, 350.	1.0	11
122	Differential blockage of two types of potassium channels in the crab giant axon. Journal of Membrane Biology, 1985, 84, 127-135.	1.0	10
123	A Role for the Host in the Roadmap to Diabetes Stem Cell Therapy. Diabetes, 2016, 65, 1155-1157.	0.3	9
124	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
125	Muscarinic inhibition of pancreatic B-cells. European Journal of Pharmacology, 1991, 205, 89-91.	1.7	7
126	The use of gating technology in bioengineering insulin-secreting cells from embryonic stem cells. Cytotechnology, 2003, 41, 145-151.	0.7	7

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127	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
128	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
129	Pancreatic differentiation of Pdx1-GFP reporter mouse induced pluripotent stem cells. Differentiation, 2016, 92, 249-256.	1.0	7
130	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
131	Generation of new islets from stem cells. Cell Biochemistry and Biophysics, 2004, 40, 113-123.	0.9	6
132	A refined characterisation of the NeoHepatocyte phenotype necessitates a reappraisal of the transdifferentiation hypothesis. Differentiation, 2009, 77, 263-276.	1.0	6
133	Impact of transient down-regulation of DREAM in human embryonic stem cell pluripotency. Stem Cell Research, 2016, 16, 568-578.	0.3	6
134	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
135	Inactivation of Delayed Potassium Current in Cultured Bovine Chromaffin Cells. European Journal of Neuroscience, 1991, 3, 462-472.	1.2	4
136	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
137	Generation of Insulin-Producing Cells from Stem Cells. Novartis Foundation Symposium, 2008, , 158-173.	1.2	4
138	Dual Trade of Bcl-2 and Bcl-xLin Islet Physiology. Diabetes, 2013, 62, 18-21.	0.3	4
139	Generation of Pancreatic Islets from Stem Cells. , 2014, , 837-847.		4
140	Nitric Oxide And Hypoxia Response In Pluripotent Stem Cells. Redox Biology, 2015, 5, 417-418.	3.9	4
141	Mesenchymal Stromal Cell-Based Therapies as Promising Treatments for Muscle Regeneration After Snakebite Envenoming. Frontiers in Immunology, 2020, 11, 609961.	2.2	4
142	Isonicotinic acid hydrazide: Early effects on peripheral nerve conduction velocity. Experientia, 1984, 40, 378-380.	1.2	3
143	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
144	Bovine subcommissural organ displays spontaneous and synchronous intracellular calcium oscillations. Brain Research, 2003, 977, 90-96.	1.1	3

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145	The immortal strand hypothesis: still non-randomly segregating opinions. Biomolecular Concepts, 2012, 3, 203-211.	1.0	3
146	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
147	Regulation of Pancreatic Islet Formation. , 2015, , 109-128.		3
148	Corneal Regeneration: Use of Extracorneal Stem Cells. Essentials in Ophthalmology, 2019, , 123-144.	0.0	3
149	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
150	Stemness of Human Pluripotent Cells: Hypoxia-Like Response Induced by Low Nitric Oxide. Antioxidants, 2021, 10, 1408.	2.2	3
151	Engineering pancreatic islets. Pflugers Archiv European Journal of Physiology, 2000, 440, 1.	1.3	3
152	Monovalent cation permeabilities of the potassium systems in the crab giant axon. Journal of Membrane Biology, 1985, 84, 117-126.	1.0	2
153	Software for simulating calcium-triggered exocytotic processes. American Journal of Physiology - Cell Physiology, 2007, 292, C749-C755.	2.1	2
154	Monoclonal Antibody That Recognizes a Domain on Heterogeneous Nuclear Ribonucleoprotein K and PTB-Associated Splicing Factor. Hybridoma, 2011, 30, 53-59.	0.5	2
155	Pyridoxal-5â€²-phosphate content of synaptic membranes. Biochemical Society Transactions, 1984, 12, 812-813.	1.6	1
156	Internal Assessment of a Novel Islet Isolation Facility in Spain. Transplantation Proceedings, 2005, 37, 3404-3406.	0.3	1
157	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
158	Stem Cells: Concept, Properties, and Characterization. Essentials in Ophthalmology, 2019, , 41-55.	0.0	1
159	Generation of Islets from Stem Cells. , 2007, , 605-618.		1
160	Generation of New Islets From Stem Cells. Cell Biochemistry and Biophysics, 2004, 40, 113-124.	0.9	1
161	Oscillations of Cytosolic Ca2+ in Pancreatic Islets of Langerhans. Advances in Experimental Medicine and Biology, 1997, 426, 195-202.	0.8	1
162	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		

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163	Generation of insulin-producing cells from stem cells. Novartis Foundation Symposium, 2005, 265, 158-67; discussion 167-73, 204-11.	1.2	1
164	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
165	Collagenase and hyaluronidase pretreatment induces sensitivity to d-tubocurarine in frog sciatic nerve. Die Naturwissenschaften, 1981, 68, 530-531.	0.6	0
166	Muscarinic receptor inactivation by butane-2,3-dione. Biochemical Society Transactions, 1984, 12, 810-811.	1.6	0
167	Anthroylcholine bromide reveals two muscarinic binding sites in rat brain cortex membranes. Biochemical Society Transactions, 1985, 13, 703-704.	1.6	0
168	Generation of new islets from stem cells. Cell Biochemistry and Biophysics, 2004, 2004, 113-123.	0.9	0
169	Corneal Stem Cells: Identification and Methods of Ex Vivo Expansion. Essentials in Ophthalmology, 2019, , 57-75.	0.0	0
170	Generation of pancreatic islets from stem cells. , 2020, , 657-664.		0
171	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
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