

# Fred Levine

## List of Publications by Year in descending order

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79  
papers

3,668  
citations

136740

32  
h-index

133063

59  
g-index

82  
all docs

82  
docs citations

82  
times ranked

3449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term oral administration of an HNF4 $\beta$ agonist prevents weight gain and hepatic steatosis by promoting increased mitochondrial mass and function. <i>Cell Death and Disease</i> , 2022, 13, 89.	2.7	3
2	Approaches to Inducing $\beta$ -Cell Regeneration. <i>Biomedicines</i> , 2022, 10, 571.	1.4	3
3	A potent HNF4 $\beta$ agonist reveals that HNF4 $\beta$ controls genes important in inflammatory bowel disease and Paneth cells. <i>PLoS ONE</i> , 2022, 17, e0266066.	1.1	7
4	Liver fat storage is controlled by HNF4 $\beta$ through induction of lipophagy and is reversed by a potent HNF4 $\beta$ agonist. <i>Cell Death and Disease</i> , 2021, 12, 603.	2.7	14
5	Insulin acts as a repressive factor to inhibit the ability of PAR2 to induce islet cell transdifferentiation. <i>Islets</i> , 2018, 10, 201-212.	0.9	6
6	High-throughput screening and bioinformatic analysis to ascertain compounds that prevent saturated fatty acid-induced $\beta$ -cell apoptosis. <i>Biochemical Pharmacology</i> , 2017, 138, 140-149.	2.0	22
7	PAR2 regulates regeneration, transdifferentiation, and death. <i>Cell Death and Disease</i> , 2016, 7, e2452-e2452.	2.7	16
8	Maternal embryonic leucine zipper kinase regulates pancreatic ductal, but not $\beta$ -cell, regeneration. <i>Physiological Reports</i> , 2014, 2, e12131.	0.7	7
9	Pharmacological induction of pancreatic islet cell transdifferentiation: relevance to type I diabetes. <i>Cell Death and Disease</i> , 2014, 5, e1357-e1357.	2.7	51
10	Efficient $\beta$ -cell regeneration by a combination of neogenesis and replication following $\beta$ -cell ablation and reversal of pancreatic duct ligation. <i>Stem Cells</i> , 2013, 31, 2388-2395.	1.4	13
11	Induction of $\beta$ -cell replication by a synthetic HNF4 $\beta$ antagonist. <i>Stem Cells</i> , 2013, 31, 2396-2407.	1.4	10
12	Antipsychotics activate the TGF $\beta$ pathway effector SMAD3. <i>Molecular Psychiatry</i> , 2013, 18, 347-357.	4.1	15
13	Identification of Alverine and Benfluorex as HNF4 $\beta$ Activators. <i>ACS Chemical Biology</i> , 2013, 8, 1730-1736.	1.6	22
14	HNF4 $\beta$ Antagonists Discovered by a High-Throughput Screen for Modulators of the Human Insulin Promoter. <i>Chemistry and Biology</i> , 2012, 19, 806-818.	6.2	67
15	T-cadherin (Cdh13) in association with pancreatic $\beta$ -cell granules contributes to second phase insulin secretion. <i>Islets</i> , 2011, 3, 327-337.	0.9	31
16	Id3 upregulates BrdU incorporation associated with a DNA damage response, not replication, in human pancreatic $\beta$ -cells. <i>Islets</i> , 2011, 3, 358-366.	0.9	24
17	The Id3/E47 Axis Mediates Cell-Cycle Control in Human Pancreatic Ducts and Adenocarcinoma. <i>Molecular Cancer Research</i> , 2011, 9, 782-790.	1.5	26
18	$\beta$ -cell replication and islet neogenesis following partial pancreatectomy. <i>Islets</i> , 2011, 3, 188-195.	0.9	17

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19	Basic Genetic Principles. , 2011, , 1-16.		0
20	Adult Pancreatic Alpha-Cells: A New Source of Cells for Beta-Cell Regeneration. Review of Diabetic Studies, 2010, 7, 124-131.	0.5	34
21	Pancreatic $\beta$ -Cell Neogenesis by Direct Conversion from Mature $\alpha$ -Cells. Stem Cells, 2010, 28, 1630-1638.	1.4	158
22	Phenothiazine Neuroleptics Signal to the Human Insulin Promoter as Revealed by a Novel High-Throughput Screen. Journal of Biomolecular Screening, 2010, 15, 663-670.	2.6	30
23	CENP-A, a protein required for chromosome segregation in mitosis, declines with age in islet but not exocrine cells. Aging, 2010, 2, 785-790.	1.4	31
24	Coordinated regulation by Shp2 tyrosine phosphatase of signaling events controlling insulin biosynthesis in pancreatic $\beta$ -cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7531-7536.	3.3	47
25	Derivation of a Retinoid X Receptor Scaffold from Peroxisome Proliferator-Activated Receptor- $\gamma$ Ligand 1 (RXR $\gamma$ 1) methyl-trifluoromethylbenzene. ChemMedChem, 2009, 4, 1106-1119.	1.6	16
26	Coordinated Regulation by Shp2 Tyrosine Phosphatase of Signaling events Controlling Insulin Biosynthesis in $\beta$ -cells. FASEB Journal, 2009, 23, 197.1.	0.2	0
27	$\beta$ -cell regeneration: Neogenesis, replication or both?. Journal of Molecular Medicine, 2008, 86, 247-258.	1.7	36
28	Islet Specific Wnt Activation in Human Type II Diabetes. Experimental Diabetes Research, 2008, 2008, 1-13.	3.8	50
29	HES6 reverses nuclear reprogramming of insulin-producing cells following cell fusion. Biochemical and Biophysical Research Communications, 2007, 355, 331-337.	1.0	8
30	Cryopreservation by slow cooling with DMSO diminished production of Oct-4 pluripotency marker in human embryonic stem cells. Cryobiology, 2006, 53, 194-205.	0.3	112
31	Beta-cell differentiation from nonendocrine epithelial cells of the adult human pancreas. Nature Medicine, 2006, 12, 310-316.	15.2	207
32	Low- and high-temperature vitrification as a new approach to biostabilization of reproductive and progenitor cells. International Journal of Refrigeration, 2006, 29, 346-357.	1.8	50
33	Telomere-independent cellular senescence in human fetal cardiomyocytes. Aging Cell, 2005, 4, 21-30.	3.0	54
34	No Pancreatic Endocrine Stem Cells?. New England Journal of Medicine, 2004, 351, 1024-1026.	13.9	10
35	Sources of $\beta$ -cells for human cell-based therapies for diabetes. Cell Biochemistry and Biophysics, 2004, 40, 103-112.	0.9	5
36	Sources of $\beta$ -cells for human cell-based therapies for diabetes. Cell Biochemistry and Biophysics, 2004, 2004, 103-112.	0.9	0

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37	Prediction of the glass transition temperature of water solutions: comparison of different models. <i>Cryobiology</i> , 2004, 49, 62-82.	0.3	85
38	Chronic treatment of mitochondrial disease patients with dichloroacetate. <i>Molecular Genetics and Metabolism</i> , 2004, 83, 138-149.	0.5	53
39	Sources of $\beta$ -Cells for Human Cell-Based Therapies for Diabetes. <i>Cell Biochemistry and Biophysics</i> , 2004, 40, 103-112.	0.9	3
40	Basic Genetic Principles. , 2004, , 1-15.		0
41	Cell-Based Therapies for Diabetes: Progress towards a Transplantable Human $\beta$ Cell Line. <i>Annals of the New York Academy of Sciences</i> , 2003, 1005, 138-147.	1.8	20
42	c-Myc Controls Proliferation versus Differentiation in Human Pancreatic Endocrine Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 3475-3485.	1.8	33
43	Islet expression of the DNA repair enzyme 8-oxoguanosine DNA glycosylase (Ogg1) in human type 2 diabetes. <i>BMC Endocrine Disorders</i> , 2002, 2, 2.	0.9	28
44	Desiccation Tolerance in Human Cells. <i>Cryobiology</i> , 2001, 42, 207-217.	0.3	110
45	Overexpression of Trehalose Synthase and Accumulation of Intracellular Trehalose in 293H and 293FTetR:Hyg Cells. <i>Cryobiology</i> , 2001, 43, 106-113.	0.3	9
46	Recovery of Human Mesenchymal Stem Cells Following Dehydration and Rehydration. <i>Cryobiology</i> , 2001, 43, 182-187.	0.3	59
47	Gene therapy for diabetes. <i>Frontiers in Bioscience - Landmark</i> , 2001, 6, d175-191.	3.0	6
48	Characterization of ataxia telangiectasia fibroblasts with extended life-span through telomerase expression. <i>Oncogene</i> , 2001, 20, 278-288.	2.6	92
49	$\beta$ -Cell Differentiation from a Human Pancreatic Cell Line in Vitro and in Vivo. <i>Molecular Endocrinology</i> , 2001, 15, 476-483.	3.7	117
50	Diabetes Mellitus-Cell Transplantation and Gene Therapy Approaches.. <i>Current Molecular Medicine</i> , 2001, 1, 273-286.	0.6	12
51	Gene Therapeutic Approaches for $\beta$ -Cell Replacement. <i>Growth Hormone</i> , 2001, , 373-400.	0.2	0
52	Terapia g $\beta$ nica para o diabetes. <i>Arquivos Brasileiros De Endocrinologia E Metabologia</i> , 2001, 45, 96-107.	1.3	1
53	Protection from Cell Death in Cultured Human Fetal Pancreatic Cells. <i>Cell Transplantation</i> , 2000, 9, 431-438.	1.2	40
54	Trehalose expression confers desiccation tolerance on human cells. <i>Nature Biotechnology</i> , 2000, 18, 168-171.	9.4	363

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55	PDX-1 and Cell-Cell Contact Act in Synergy to Promote $\beta$ -Cell Development in a Human Pancreatic Endocrine Precursor Cell Line. <i>Molecular Endocrinology</i> , 2000, 14, 814-822.	3.7	37
56	Accelerated telomere shortening and senescence in human pancreatic islet cells stimulated to divide in vitro. <i>Journal of Endocrinology</i> , 2000, 166, 103-109.	1.2	120
57	Growth and Genetic Modification of Human $\beta$ -Cells and $\beta$ -Cell Precursors. , 2000, 22, 99-120.		3
58	Presenilin 1 Facilitates the Constitutive Turnover of $\beta$ -Catenin: Differential Activity of Alzheimer's Disease-Linked PS1 Mutants in the $\beta$ -Catenin Signaling Pathway. <i>Journal of Neuroscience</i> , 1999, 19, 4229-4237.	1.7	183
59	Gene transfer to human pancreatic endocrine cells using viral vectors. <i>Diabetes</i> , 1999, 48, 745-753.	0.3	109
60	Towards gene therapy of diabetes mellitus. <i>Trends in Molecular Medicine</i> , 1999, 5, 165-171.	2.6	52
61	Telomerase Activity Is Sufficient To Allow Transformed Cells To Escape from Crisis. <i>Molecular and Cellular Biology</i> , 1999, 19, 1864-1870.	1.1	165
62	Isolation and characterization of a cell line from the epithelial cells of the human fetal pancreas. <i>Cell Transplantation</i> , 1997, 6, 59-67.	1.2	37
63	Analysis of a human fetal pancreatic islet cell line. <i>Transplantation Proceedings</i> , 1997, 29, 2219.	0.3	20
64	Interaction of vesicular stomatitis virus-G pseudotyped retrovirus with CD34+ and CD34+CD38 <sup>+</sup> hematopoietic progenitor cells. <i>Gene Therapy</i> , 1997, 4, 918-927.	2.3	23
65	Gene therapy for diabetes: strategies for $\beta$ -cell modification and replacement. , 1997, 13, 209-246.		22
66	Gene therapy for diabetes: strategies for $\beta$ -cell modification and replacement. , 1997, 13, 209.		2
67	Development of a VSV-G protein pseudotyped retroviral vector system expressing dominant oncogenes from a lacO-modified inducible LTR promoter. <i>Gene</i> , 1996, 182, 145-150.	1.0	32
68	High Efficiency Retroviral-Mediated Gene Transduction into CD34 <sup>+</sup> Cells Purified from Peripheral Blood of Breast Cancer Patients Primed with Chemotherapy and Granulocyte-Macrophage Colony-Stimulating Factor. <i>Human Gene Therapy</i> , 1994, 5, 203-208.	1.4	46
69	Differential Integrin Expression Facilitates Isolation of Human Fetal Pancreatic Epithelial Cells. <i>Cell Transplantation</i> , 1994, 3, 307-313.	1.2	16
70	Acid beta-galactosidase: a developmentally regulated marker of endocrine cell precursors in the human fetal pancreas. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1994, 78, 1232-1240.	1.8	38
71	Provirus-Anchored Long-Range (PAL) Mapping of Mammalian Genomes. <i>Genomics</i> , 1993, 15, 305-310.	1.3	3
72	Gene Therapy. <i>JAMA Pediatrics</i> , 1993, 147, 1167.	3.6	4

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73	Cytotoxicity of a replication-defective mutant of herpes simplex virus type 1. <i>Journal of Virology</i> , 1992, 66, 2952-2965.	1.5	293
74	Efficient gene expression in mammalian cells from a dicistronic transcriptional unit in an improved retroviral vector. <i>Gene</i> , 1991, 108, 167-174.	1.0	53
75	High prenatal lead levels and congenital anomalies. <i>American Journal of Medical Genetics Part A</i> , 1991, 41, 388-388.	2.4	1
76	Gene therapy techniques. <i>Current Opinion in Biotechnology</i> , 1991, 2, 840-844.	3.3	16
77	Branched-Chain Amino Acid-Free Parenteral Nutrition in the Treatment of Acute Metabolic Decompensation in Patients with Maple Syrup Urine Disease. <i>New England Journal of Medicine</i> , 1991, 324, 175-179.	13.9	56
78	VACTERL Association With High Prenatal Lead Exposure: Similarities to Animal Models of Lead Teratogenicity. <i>Pediatrics</i> , 1991, 87, 390-392.	1.0	28
79	Different roles for cytosine methylation in HLA class ii gene expression. <i>Immunogenetics</i> , 1985, 22, 427-440.	1.2	21