

# Louis H Philipson

## List of Publications by Year in descending order

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143  
papers

10,386  
citations

30070

54  
h-index

36028

97  
g-index

145  
all docs

145  
docs citations

145  
times ranked

12254  
citing authors

#	ARTICLE	IF	CITATIONS
1	Disruption of the clock components CLOCK and BMAL1 leads to hypoinsulinaemia and diabetes. <i>Nature</i> , 2010, 466, 627-631.	27.8	1,261
2	Insulin gene mutations as a cause of permanent neonatal diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15040-15044.	7.1	494
3	Insulin Mutation Screening in 1,044 Patients With Diabetes. <i>Diabetes</i> , 2008, 57, 1034-1042.	0.6	347
4	Intracellular transport of insulin granules is a subordinated random walk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4911-4916.	7.1	296
5	Conditional Gene Targeting in Mouse Pancreatic $\beta$ -Cells. <i>Diabetes</i> , 2010, 59, 3090-3098.	0.6	288
6	The Mental Health Comorbidities of Diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2014, 312, 691.	7.4	248
7	Visualizing Superoxide Production in Normal and Diabetic Rat Islets of Langerhans. <i>Journal of Biological Chemistry</i> , 2003, 278, 9796-9801.	3.4	208
8	The chemistrode: A droplet-based microfluidic device for stimulation and recording with high temporal, spatial, and chemical resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16843-16848.	7.1	208
9	Precision Medicine in Diabetes: A Consensus Report From the American Diabetes Association (ADA) and the European Association for the Study of Diabetes (EASD). <i>Diabetes Care</i> , 2020, 43, 1617-1635.	8.6	204
10	Effect of Continuous Glucose Monitoring on Hypoglycemia in Older Adults With Type 1 Diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2020, 323, 2397.	7.4	191
11	Mutations in the Insulin Gene Can Cause MODY and Autoantibody-Negative Type 1 Diabetes. <i>Diabetes</i> , 2008, 57, 1131-1135.	0.6	184
12	Blood Sugar Measurement in Zebrafish Reveals Dynamics of Glucose Homeostasis. <i>Zebrafish</i> , 2010, 7, 205-213.	1.1	172
13	Kv2.1 Ablation Alters Glucose-Induced Islet Electrical Activity, Enhancing Insulin Secretion. <i>Cell Metabolism</i> , 2007, 6, 229-235.	16.2	157
14	$\beta$ Cell Function and Gene Expression Are Compromised in Type 1 Diabetes. <i>Cell Reports</i> , 2018, 22, 2667-2676.	6.4	152
15	The Status of Voltage-Dependent Calcium Channels in $\beta$ 1E Knock-Out Mice. <i>Journal of Neuroscience</i> , 2000, 20, 8566-8571.	3.6	151
16	Defective Pancreatic $\beta$ -Cell Glycolytic Signaling in Hepatocyte Nuclear Factor-1 $\alpha$ -deficient Mice. <i>Journal of Biological Chemistry</i> , 1998, 273, 24457-24464.	3.4	149
17	Does the Glucose-Dependent Insulin Secretion Mechanism Itself Cause Oxidative Stress in Pancreatic $\beta$ -Cells?. <i>Diabetes</i> , 2004, 53, 1942-1948.	0.6	139
18	The Role of $\beta$ Cell Glucagon-like Peptide-1 Signaling in Glucose Regulation and Response to Diabetes Drugs. <i>Cell Metabolism</i> , 2014, 19, 1050-1057.	16.2	139

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19	Reactive species and early manifestation of insulin resistance in type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2006, 8, 136-145.	4.4	135
20	Clinical and molecular genetics of neonatal diabetes due to mutations in the insulin gene. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2010, 11, 205-215.	5.7	123
21	Type 2 Diabetes and Congenital Hyperinsulinism Cause DNA Double-Strand Breaks and p53 Activity in $\beta$ Cells. <i>Cell Metabolism</i> , 2014, 19, 109-121.	16.2	123
22	Reversal of Diabetes in Non-Obese Diabetic Mice Without Spleen Cell-Derived $\beta$ Cell Regeneration. <i>Science</i> , 2006, 311, 1774-1775.	12.6	120
23	Modeling of $Ca^{2+}$ flux in pancreatic $\beta$ -cells: role of the plasma membrane and intracellular stores. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 285, E138-E154.	3.5	115
24	Diagnosis and treatment of neonatal diabetes: an United States experience. <i>Pediatric Diabetes</i> , 2008, 9, 450-459.	2.9	115
25	Cost-Effectiveness of MODY Genetic Testing: Translating Genomic Advances Into Practical Health Applications. <i>Diabetes Care</i> , 2014, 37, 202-209.	8.6	114
26	Update on Diabetes Classification. <i>Medical Clinics of North America</i> , 2015, 99, 1-16.	2.5	114
27	Expression and Function of Pancreatic $\beta$ -Cell Delayed Rectifier $K^+$ Channels. <i>Journal of Biological Chemistry</i> , 1996, 271, 32241-32246.	3.4	111
28	Insulin Secretory Deficiency and Glucose Intolerance in Rab3A Null Mice. <i>Journal of Biological Chemistry</i> , 2003, 278, 9715-9721.	3.4	110
29	TCF1 links GIPR signaling to the control of beta cell function and survival. <i>Nature Medicine</i> , 2016, 22, 84-90.	30.7	108
30	Regulation of Glycosaminoglycan Synthesis by Thyroid Hormone in Vitro. <i>Journal of Clinical Investigation</i> , 1982, 70, 1066-1073.	8.2	108
31	Distribution of directional change as a signature of complex dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19689-19694.	7.1	105
32	Characterization of a $Ca^{2+}$ Release-activated Nonselective Cation Current Regulating Membrane Potential and $[Ca^{2+}]_i$ Oscillations in Transgenically Derived $\beta$ -Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 10402-10410.	3.4	104
33	Precision medicine in diabetes: a Consensus Report from the American Diabetes Association (ADA) and the European Association for the Study of Diabetes (EASD). <i>Diabetologia</i> , 2020, 63, 1671-1693.	6.3	102
34	Overexpression of Bcl-x <sub>L</sub> in $\beta$ -cells prevents cell death but impairs mitochondrial signal for insulin secretion. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 278, E340-E351.	3.5	99
35	Neonatal Diabetes: An Expanding List of Genes Allows for Improved Diagnosis and Treatment. <i>Current Diabetes Reports</i> , 2011, 11, 519-532.	4.2	99
36	Oxidative Reactive Species in Cell Injury: Mechanisms in Diabetes Mellitus and Therapeutic Approaches. <i>Annals of the New York Academy of Sciences</i> , 2005, 1066, 136-151.	3.8	95

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37	Î²-Agonists and metabolism. Journal of Allergy and Clinical Immunology, 2002, 110, S313-S317.	2.9	90
38	Direct imaging shows that insulin granule exocytosis occurs by complete vesicle fusion. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9266-9271.	7.1	88
39	Recovery of Islet Î²-Cell Function in Streptozotocin- Induced Diabetic Mice: An Indirect Role for the Spleen. Diabetes, 2006, 55, 3256-3263.	0.6	83
40	Genetics and pathophysiology of neonatal diabetes mellitus. Journal of Diabetes Investigation, 2011, 2, 158-169.	2.4	81
41	The Cost-Effectiveness of Personalized Genetic Medicine. Diabetes Care, 2011, 34, 622-627.	8.6	80
42	The Brain's Pancreatic Islet Neuronal Map Reveals Differential Glucose Regulation From Distinct Hypothalamic Regions. Diabetes, 2016, 65, 2711-2723.	0.6	73
43	In vitro processing and secretion of mutant insulin proteins that cause permanent neonatal diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E403-E410.	3.5	72
44	Neonatal diabetes mellitus: A model for personalized medicine. Trends in Endocrinology and Metabolism, 2010, 21, 464-472.	7.1	70
45	Age at the time of sulfonylurea initiation influences treatment outcomes in KCNJ11-related neonatal diabetes. Diabetologia, 2015, 58, 1430-1435.	6.3	69
46	Who should have genetic testing for maturity-onset diabetes of the young?. Clinical Endocrinology, 2011, 75, 422-426.	2.4	68
47	Small-Conductance Calcium-Activated K <sup>+</sup> Channels Are Expressed in Pancreatic Islets and Regulate Glucose Responses. Diabetes, 2003, 52, 2000-2006.	0.6	67
48	Monogenic Diabetes in Children and Adolescents: Recognition and Treatment Options. Current Diabetes Reports, 2018, 18, 58.	4.2	67
49	Monogenic Diabetes: From Genetic Insights to Population-Based Precision in Care. Reflections From a <i>Diabetes Care</i> Editors' Expert Forum. Diabetes Care, 2020, 43, 3117-3128.	8.6	65
50	Approach to the Patient with MODY-Monogenic Diabetes. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 237-250.	3.6	65
51	Human islets expressing HNF1A variant have defective Î² cell transcriptional regulatory networks. Journal of Clinical Investigation, 2018, 129, 246-251.	8.2	65
52	Selective G-Protein Regulation of Neuronal Calcium Channels. Journal of Neuroscience, 1996, 16, 4617-4624.	3.6	63
53	Functional MR Microimaging of Pancreatic Î²-Cell Activation. Cell Transplantation, 2006, 15, 195-203.	2.5	63
54	Calcium-activated and voltage-gated potassium channels of the pancreatic islet impart distinct and complementary roles during secretagogue induced electrical responses. Journal of Physiology, 2010, 588, 3525-3537.	2.9	62

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55	A Review of the Mental Health Issues of Diabetes Conference. <i>Diabetes Care</i> , 2015, 38, 333-338.	8.6	59
56	GCK-MODY in the US National Monogenic Diabetes Registry: frequently misdiagnosed and unnecessarily treated. <i>Acta Diabetologica</i> , 2016, 53, 703-708.	2.5	59
57	The Granular Chloride Channel CLC-3 Is Permissive for Insulin Secretion. <i>Cell Metabolism</i> , 2009, 10, 316-323.	16.2	58
58	Î²-Cell-Specific Protein Kinase A Activation Enhances the Efficiency of Glucose Control by Increasing Acute-Phase Insulin Secretion. <i>Diabetes</i> , 2013, 62, 1527-1536.	0.6	58
59	Leptin Deficiency and Beta-Cell Dysfunction Underlie Type 2 Diabetes in Compound Akt Knockout Mice. <i>Molecular and Cellular Biology</i> , 2009, 29, 3151-3162.	2.3	54
60	Sulfonylurea Treatment Before Genetic Testing in Neonatal Diabetes: Pros and Cons. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E2709-E2714.	3.6	54
61	Chronic hyperglycemia downregulates GLP-1 receptor signaling in pancreatic Î²-cells via protein kinase A. <i>Molecular Metabolism</i> , 2015, 4, 265-276.	6.5	54
62	ADA/EASD Precision Medicine in Diabetes Initiative: An International Perspective and Future Vision for Precision Medicine in Diabetes. <i>Diabetes Care</i> , 2022, 45, 261-266.	8.6	53
63	Integrated Pancreatic Blood Flow: Bidirectional Microcirculation Between Endocrine and Exocrine Pancreas. <i>Diabetes</i> , 2020, 69, 1439-1450.	0.6	52
64	Modulation of the Pancreatic Islet Î²-Cell-delayed Rectifier Potassium Channel Kv2.1 by the Polyunsaturated Fatty Acid Arachidonate. <i>Journal of Biological Chemistry</i> , 2007, 282, 7442-7449.	3.4	51
65	Reversible translocation of EYFP-tagged STIM1 is coupled to calcium influx in insulin secreting Î²-cells. <i>Cell Calcium</i> , 2008, 44, 533-544.	2.4	49
66	Inositol (1,4,5)-Trisphosphate Dynamics and Intracellular Calcium Oscillations in Pancreatic Î²-Cells. <i>Diabetes</i> , 2005, 54, 3073-3081.	0.6	48
67	Lean versus obese diabetes mellitus patients in the United States minority population. <i>Journal of Diabetes and Its Complications</i> , 2014, 28, 500-505.	2.3	48
68	PGC-1 coactivators in Î²-cells regulate lipid metabolism and are essential for insulin secretion coupled to fatty acids. <i>Molecular Metabolism</i> , 2015, 4, 811-822.	6.5	46
69	5-Amino-imidazole carboxamide riboside acutely potentiates glucose-stimulated insulin secretion from mouse pancreatic islets by KATP channel-dependent and -independent pathways. <i>Biochemical and Biophysical Research Communications</i> , 2005, 330, 1073-1079.	2.1	45
70	Diabetes Presentation in Infancy: High Risk of Diabetic Ketoacidosis. <i>Diabetes Care</i> , 2017, 40, e147-e148.	8.6	44
71	Delayed-rectifier (KV2.1) regulation of pancreatic Î²-cell calcium responses to glucose: inhibitor specificity and modeling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 289, E578-E585.	3.5	43
72	Preliminary characterization of a xylose acceptor prepared by hydrogen fluoride treatment of proteoglycan core protein. <i>Biochemical and Biophysical Research Communications</i> , 1980, 92, 618-623.	2.1	42

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73	Insulin regulates carboxypeptidase E by modulating translation initiation scaffolding protein eIF4G1 in pancreatic $\beta$ cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2319-28.	7.1	42
74	Management and pregnancy outcomes of women with GCK-MODY enrolled in the US Monogenic Diabetes Registry. Acta Diabetologica, 2019, 56, 405-411.	2.5	40
75	Tooth Discoloration in Patients With Neonatal Diabetes After Transfer Onto Glibenclamide: A previously unreported side effect. Diabetes Care, 2009, 32, 1428-1430.	8.6	39
76	Microcephaly, epilepsy, and neonatal diabetes due to compound heterozygous mutations in <i>IER3IP1</i> : insights into the natural history of a rare disorder. Pediatric Diabetes, 2014, 15, 252-256.	2.9	38
77	Update in neonatal diabetes. Current Opinion in Endocrinology, Diabetes and Obesity, 2010, 17, 13-19.	2.3	37
78	A Transient Metabolic Recovery from Early Life Glucose Intolerance in Cystic Fibrosis Ferrets Occurs During Pancreatic Remodeling. Endocrinology, 2016, 157, 1852-1865.	2.8	37
79	Loss of Liver Kinase B1 (LKB1) in Beta Cells Enhances Glucose-stimulated Insulin Secretion Despite Profound Mitochondrial Defects. Journal of Biological Chemistry, 2015, 290, 20934-20946.	3.4	36
80	Dynamin 2 regulates biphasic insulin secretion and plasma glucose homeostasis. Journal of Clinical Investigation, 2015, 125, 4026-4041.	8.2	36
81	Pancreatic Beta Cell G-Protein Coupled Receptors and Second Messenger Interactions: A Systems Biology Computational Analysis. PLoS ONE, 2016, 11, e0152869.	2.5	36
82	The demise of islet allotransplantation in the United States: A call for an urgent regulatory update. American Journal of Transplantation, 2021, 21, 1365-1375.	4.7	33
83	Growth Hormone-Releasing Hormone in Diabetes. Frontiers in Endocrinology, 2016, 7, 129.	3.5	32
84	Human G-Protein-Coupled Inwardly Rectifying Potassium Channel (GIRK1) Gene (KCNJ3): Localization to Chromosome 2 and Identification of a Simple Tandem Repeat Polymorphism. Genomics, 1994, 21, 254-256.	2.9	31
85	Reactive Species, Cellular Repair and Risk Factors in the Onset of Type 2 Diabetes Mellitus: Review and Hypothesis. Current Diabetes Reviews, 2006, 2, 241-259.	1.3	31
86	Iatrogenic Hyperinsulinemia, Not Hyperglycemia, Drives Insulin Resistance in Type 1 Diabetes as Revealed by Comparison With GCK-MODY (MODY2). Diabetes, 2019, 68, 1565-1576.	0.6	31
87	Genetic Complexity in a <i>Drosophila</i> Model of Diabetes-Associated Misfolded Human Proinsulin. Genetics, 2014, 196, 539-555.	2.9	30
88	Benefit of Continuous Glucose Monitoring in Reducing Hypoglycemia Is Sustained Through 12 Months of Use Among Older Adults with Type 1 Diabetes. Diabetes Technology and Therapeutics, 2022, 24, 424-434.	4.4	27
89	A small $k^+$ channel looms large. Trends in Pharmacological Sciences, 1992, 13, 8-11.	8.7	26
90	Genome wide association studies for diabetes: perspective on results and challenges. Pediatric Diabetes, 2013, 14, 90-96.	2.9	26

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91	Î²-Cell Ion Channels: Keys to Endodermal Excitability. <i>Hormone and Metabolic Research</i> , 1999, 31, 455-461.	1.5	25
92	Cold climate genes and the prevalence of type 2 diabetes mellitus. <i>Medical Hypotheses</i> , 2006, 67, 1034-1041.	1.5	25
93	Continued lessons from the <i>INS</i> gene: an intronic mutation causing diabetes through a novel mechanism. <i>Journal of Medical Genetics</i> , 2015, 52, 612-616.	3.2	25
94	Role of Noninsulin Therapies Alone or in Combination in Chromosome 6q24-Related Transient Neonatal Diabetes: Sulfonylurea Improves but Does Not Always Normalize Insulin Secretion. <i>Diabetes Care</i> , 2015, 38, e86-e87.	8.6	25
95	<i>FOXP3</i> mutations causing early-onset insulin-requiring diabetes but without other features of immune dysregulation, polyendocrinopathy, enteropathy, X-linked syndrome. <i>Pediatric Diabetes</i> , 2018, 19, 388-392.	2.9	25
96	Harnessing heterogeneity in type 2 diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2020, 16, 79-80.	9.6	25
97	Case Report: Preservation of Reduced Numbers of Insulin-Positive Cells in Sulfonylurea-Unresponsive <i>KCNJ11</i> -related Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, jc.2016-2826.	3.6	24
98	Functional Expression of an Epitope-tagged G protein-coupled K <sup>+</sup> Channel (GIRK1). <i>Journal of Biological Chemistry</i> , 1995, 270, 14604-14610.	3.4	23
99	Creation of the Web-Based University of Chicago Monogenic Diabetes Registry: Using Technology to Facilitate Longitudinal Study of Rare Subtypes of Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2011, 5, 879-886.	2.2	23
100	Transparent, Compliant 3D Mesostructures for Precise Evaluation of Mechanical Characteristics of Organoids. <i>Advanced Materials</i> , 2021, 33, e2100026.	21.0	23
101	Mutational analysis of predicted interactions between the catalytic and P domains of prohormone convertase 3 (PC3/PC1). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5622-5627.	7.1	21
102	Coupling of metabolic, second messenger pathways and insulin granule dynamics in pancreatic beta-cells: A computational analysis. <i>Progress in Biophysics and Molecular Biology</i> , 2011, 107, 293-303.	2.9	21
103	Single Particle Image Reconstruction of the Human Recombinant Kv2.1 Channel. <i>Biophysical Journal</i> , 2008, 94, 2106-2114.	0.5	19
104	A Nanoporous, Transparent Microcontainer for Encapsulated Islet Therapy. <i>Journal of Diabetes Science and Technology</i> , 2009, 3, 297-303.	2.2	17
105	Outcomes of Pancreatic Islet Allograft Transplantation Using the Edmonton Protocol at the University of Chicago. <i>Transplantation Direct</i> , 2016, 2, e105.	1.6	17
106	Pancreatic Histopathology of Human Monogenic Diabetes Due to Causal Variants in <i>KCNJ11</i> , <i>HNF1A</i> , <i>GATA6</i> , and <i>LMNA</i> . <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 35-45.	3.6	17
107	A Clinical Guide to Monogenic Diabetes. , 2016, , 21-30.		14
108	GCK-MODY in the US Monogenic Diabetes Registry: Description of 27 unpublished variants. <i>Diabetes Research and Clinical Practice</i> , 2019, 151, 231-236.	2.8	14



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109	Precision diabetes: Lessons learned from <scp>maturity-onset</scp> diabetes of the young (MODY). Journal of Diabetes Investigation, 2022, 13, 1465-1471.	2.4	14
110	Early Intensive Insulin Use May Preserve $\beta$ -Cell Function in Neonatal Diabetes Due to Mutations in the Proinsulin Gene. Journal of the Endocrine Society, 2018, 2, 1-8.	0.2	13
111	Exenatide extended release in patients with type 1 diabetes with and without residual insulin production. Diabetes, Obesity and Metabolism, 2020, 22, 2045-2054.	4.4	13
112	The Longer-Term Benefits and Harms of Glucagon-Like Peptide-1 Receptor Agonists: a Systematic Review and Meta-Analysis. Journal of General Internal Medicine, 2022, 37, 415-438.	2.6	13
113	The $\beta$ -Cell Conundrum: ATP-Sensitive K <sup>+</sup> Channels and Glucose Sensing. Diabetes, 2009, 58, 304-306.	0.6	12
114	Transgenic zebrafish model of the C43G human insulin gene mutation. Journal of Diabetes Investigation, 2013, 4, 157-167.	2.4	12
115	Comparative evaluation of simple indices using a single fasting blood sample to estimate beta cell function after islet transplantation. American Journal of Transplantation, 2018, 18, 990-997.	4.7	12
116	A computational systems analysis of factors regulating $\beta$ cell glucagon secretion. Islets, 2012, 4, 262-283.	1.8	11
117	Multi-level supervision and modification of artificial pancreas control system. Computers and Chemical Engineering, 2018, 112, 57-69.	3.8	10
118	Post-Hoc Analysis of a Randomized, Double Blind, Prospective Study at the University of Chicago: Additional Standardizations of Trial Protocol are Needed to Evaluate the Effect of a CXCR1/2 Inhibitor in Islet Allograft Transplantation. Cell Transplantation, 2021, 30, 096368972110017.	2.5	8
119	Longer-term Benefits and Risks of Sodium-Glucose Cotransporter-2 Inhibitors in Type 2 Diabetes: a Systematic Review and Meta-analysis. Journal of General Internal Medicine, 2022, 37, 439-448.	2.6	8
120	Developmental defects and impaired network excitability in a cerebral organoid model of KCNJ11 p.V59M-related neonatal diabetes. Scientific Reports, 2021, 11, 21590.	3.3	7
121	An online monogenic diabetes discussion group: supporting families and fueling new research. Translational Research, 2015, 166, 425-431.	5.0	6
122	Response to Comment on Chong et al. on Diabetes Reversal in NOD Mice. Science, 2006, 314, 1243b-1243b.	12.6	5
123	When BAD Is Good for $\beta$ Cells. Cell Metabolism, 2008, 7, 280-281.	16.2	5
124	Quantifying Insulin Sensitivity and Entero-Insular Responsiveness to Hyper- and Hypoglycemia in Ferrets. PLoS ONE, 2014, 9, e90519.	2.5	5
125	Diabetes With Multiple Autoimmune and Inflammatory Conditions Linked to an Activating SKAP2 Mutation. Diabetes Care, 2021, 44, 1816-1825.	8.6	5
126	Insight on Diagnosis and Treatment From Over a Decade of Research Through the University of Chicago Monogenic Diabetes Registry. Frontiers in Clinical Diabetes and Healthcare, 2021, 2, .	0.8	5



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127	307.5: Modified Approach Allowed for Improved Islet Allotransplantation Into Pre-vascularized Sernova Cell Pouch™ Device - Preliminary Results of the Phase I/II Clinical Trial at University of Chicago. <i>Transplantation</i> , 2021, 105, S25-S25.	1.0	5
128	Metastatic Insulinoma Following Resection of Nonsecreting Pancreatic Islet Cell Tumor. <i>Journal of Investigative Medicine High Impact Case Reports</i> , 2013, 1, 232470961247327.	0.6	4
129	Correlative imaging across microscopy platforms using the fast and accurate relocation of microscopic experimental regions (FARMER) method. <i>Review of Scientific Instruments</i> , 2017, 88, 053702.	1.3	4
130	Islets Transplantation at a Crossroads - Need for Urgent Regulatory Update in the United States: Perspective Presented During the Scientific Sessions 2021 at the American Diabetes Association Congress. <i>Frontiers in Endocrinology</i> , 2021, 12, 789526.	3.5	4
131	Genetic Testing in Diabetes Mellitus. , 2010, , 17-25.		3
132	Donald F. Steiner MD, 1930–2014: Discoverer of proinsulin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 940-941.	7.1	3
133	Monogenic Diabetes Mellitus: Neonatal Diabetes and Maturity-Onset Diabetes of the Young. , 2021, , 279-298.		3
134	Routine Depression Screening for Patients With Diabetes—Reply. <i>JAMA - Journal of the American Medical Association</i> , 2014, 312, 2413.	7.4	2
135	Simultaneous Real-Time Measurement of the $\hat{I}^2$ -Cell Membrane Potential and $Ca^{2+}$ Influx to Assess the Role of Potassium Channels on $\hat{I}^2$ -Cell Function. <i>Methods in Molecular Biology</i> , 2018, 1684, 73-84.	0.9	2
136	Precision medicine in KCNJ11 permanent neonatal diabetes. <i>Lancet Diabetes and Endocrinology</i> , the, 2018, 6, 594-595.	11.4	2
137	Ion Channels and Insulin Secretion. , 2008, , 91-110.		2
138	MODY3 and Pancreatic Transplant: Making a Case for Universal MODY Screening Before Transplant. <i>AACE Clinical Case Reports</i> , 2015, 1, e123-e126.	1.1	1
139	Response to Jentsch et Al.. <i>Cell Metabolism</i> , 2010, 12, 310.	16.2	0
140	Neonatal diabetes: the brain comes into focus. <i>Lancet Diabetes and Endocrinology</i> , the, 2013, 1, 167-168.	11.4	0
141	Insulin Dosing in Pediatric Diabetic Ketoacidosis. <i>JAMA - Journal of the American Medical Association</i> , 2015, 313, 2274.	7.4	0
142	3D Microstructures: Transparent, Compliant 3D Mesostructures for Precise Evaluation of Mechanical Characteristics of Organoids ( <i>Adv. Mater.</i> 25/2021). <i>Advanced Materials</i> , 2021, 33, 2170196.	21.0	0
143	Integrated Analysis of the Pancreas and Islets Reveals Unexpected Findings in Human Male With Type 1 Diabetes. <i>Journal of the Endocrine Society</i> , 2021, 5, bvab162.	0.2	0