

Jake A Kushner

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71 papers	6,210 citations	36 h-index	78 g-index
78 ext. papers	6,842 ext. citations	10.3 avg, IF	5.57 L-index

#	Paper	IF	Citations
71	Cloning and expression of human and rat D1 dopamine receptors. <i>Nature</i> , 1990 , 347, 76-80	50.4	539
70	Growth and regeneration of adult beta cells does not involve specialized progenitors. <i>Developmental Cell</i> , 2007 , 12, 817-26	10.2	483
69	Very slow turnover of beta-cells in aged adult mice. <i>Diabetes</i> , 2005 , 54, 2557-67	0.9	399
68	Insulin receptor substrate-2 deficiency impairs brain growth and promotes tau phosphorylation. <i>Journal of Neuroscience</i> , 2003 , 23, 7084-92	6.6	378
67	Haematopoietic stem cells do not asymmetrically segregate chromosomes or retain BrdU. <i>Nature</i> , 2007 , 449, 238-42	50.4	328
66	Cyclins D2 and D1 are essential for postnatal pancreatic beta-cell growth. <i>Molecular and Cellular Biology</i> , 2005 , 25, 3752-62	4.8	293
65	Adaptive beta-cell proliferation is severely restricted with advanced age. <i>Diabetes</i> , 2009 , 58, 1365-72	0.9	257
64	Effects of dietary glycaemic index on adiposity, glucose homeostasis, and plasma lipids in animals. <i>Lancet, The</i> , 2004 , 364, 778-85	40	242
63	Dysregulation of insulin receptor substrate 2 in beta cells and brain causes obesity and diabetes. <i>Journal of Clinical Investigation</i> , 2004 , 114, 908-16	15.9	231
62	Effects of Sotagliflozin Added to Insulin in Patients with Type 1 Diabetes. <i>New England Journal of Medicine</i> , 2017 , 377, 2337-2348	59.2	224
61	miR-211 is a prosurvival microRNA that regulates chop expression in a PERK-dependent manner. <i>Molecular Cell</i> , 2012 , 48, 353-64	17.6	170
60	Exendin-4 improves reversal of diabetes in NOD mice treated with anti-CD3 monoclonal antibody by enhancing recovery of beta-cells. <i>Endocrinology</i> , 2007 , 148, 5136-44	4.8	150
59	Pdx1 restores β cell function in Irs2 knockout mice. <i>Journal of Clinical Investigation</i> , 2002 , 109, 1193-1201	15.9	141
58	International Consensus on Risk Management of Diabetic Ketoacidosis in Patients With Type 1 Diabetes Treated With Sodium-Glucose Cotransporter (SGLT) Inhibitors. <i>Diabetes Care</i> , 2019 , 42, 1147-1154	14.6	138
57	The diabetes susceptibility gene Clec16a regulates mitophagy. <i>Cell</i> , 2014 , 157, 1577-90	56.2	125
56	Effects of autoimmunity and immune therapy on beta-cell turnover in type 1 diabetes. <i>Diabetes</i> , 2006 , 55, 3238-45	0.9	125
55	Sotagliflozin in Combination With Optimized Insulin Therapy in Adults With Type 1 Diabetes: The North American inTandem1 Study. <i>Diabetes Care</i> , 2018 , 41, 1970-1980	14.6	117

54	The role of aging upon β cell turnover. <i>Journal of Clinical Investigation</i> , 2013 , 123, 990-5	15.9	114
53	Beta-cell mass and type 1 diabetes: going, going, gone?. <i>Diabetes</i> , 2008 , 57, 2883-8	0.9	112
52	Calcineurin signaling regulates human islet β -cell survival. <i>Journal of Biological Chemistry</i> , 2010 , 285, 40050-9	5.4	107
51	HbA and Hypoglycemia Reductions at 24 and 52 Weeks With Sotagliflozin in Combination With Insulin in Adults With Type 1 Diabetes: The European inTandem2 Study. <i>Diabetes Care</i> , 2018 , 41, 1981-1990	14.6	95
50	β Cells are not generated in pancreatic duct ligation-induced injury in adult mice. <i>Diabetes</i> , 2013 , 62, 1634-45	0.9	87
49	PERK is required in the adult pancreas and is essential for maintenance of glucose homeostasis. <i>Molecular and Cellular Biology</i> , 2012 , 32, 5129-39	4.8	81
48	Pdx1 restores beta cell function in Irs2 knockout mice. <i>Journal of Clinical Investigation</i> , 2002 , 109, 1193-2019	20.9	81
47	Islet-sparing effects of protein tyrosine phosphatase-1b deficiency delays onset of diabetes in IRS2 knockout mice. <i>Diabetes</i> , 2004 , 53, 61-6	0.9	66
46	Insulin receptor substrate 2 is essential for maturation and survival of photoreceptor cells. <i>Journal of Neuroscience</i> , 2005 , 25, 1240-8	6.6	65
45	Ductal origin hypothesis of pancreatic regeneration under attack. <i>Cell Metabolism</i> , 2010 , 11, 2-3	24.6	59
44	Angiopoietin-like protein 8 (ANGPTL8)/betatrophin overexpression does not increase beta cell proliferation in mice. <i>Diabetologia</i> , 2015 , 58, 1523-31	10.3	52
43	Prediction and prevention of type 1 diabetes: update on success of prediction and struggles at prevention. <i>Pediatric Diabetes</i> , 2015 , 16, 465-84	3.6	48
42	Cyclin D2 protein stability is regulated in pancreatic beta-cells. <i>Molecular Endocrinology</i> , 2009 , 23, 1865-75		44
41	Phosphatase and tensin homolog regulation of islet growth and glucose homeostasis. <i>Journal of Biological Chemistry</i> , 2005 , 280, 39388-93	5.4	42
40	Type I interferons mediate pancreatic toxicities of PERK inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15420-5	11.5	40
39	Overexpression of hepatocyte nuclear factor-4 initiates cell cycle entry, but is not sufficient to promote β cell expansion in human islets. <i>Molecular Endocrinology</i> , 2012 , 26, 1590-602		40
38	Improved Time in Range and Glycemic Variability With Sotagliflozin in Combination With Insulin in Adults With Type 1 Diabetes: A Pooled Analysis of 24-Week Continuous Glucose Monitoring Data From the inTandem Program. <i>Diabetes Care</i> , 2019 , 42, 919-930	14.6	37
37	Glucose and inflammation control islet vascular density and beta-cell function in NOD mice: control of islet vasculature and vascular endothelial growth factor by glucose. <i>Diabetes</i> , 2011 , 60, 876-83	0.9	36

36	Autoimmunity and beta cell regeneration in mouse and human type 1 diabetes: the peace is not enough. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1103, 19-32	6.5	36
35	Beta-cell growth: an unusual paradigm of organogenesis that is cyclin D2/Cdk4 dependent. <i>Cell Cycle</i> , 2006 , 5, 234-7	4.7	36
34	Expression and regulation of adrenodoxin and P450scc mRNA in rodent tissues. <i>DNA and Cell Biology</i> , 1991 , 10, 339-47	3.6	35
33	Identification of a WD40 repeat-containing isoform of PHIP as a novel regulator of beta-cell growth and survival. <i>Molecular and Cellular Biology</i> , 2007 , 27, 6484-96	4.8	34
32	Resolving Discrepant Findings on ANGPTL8 in β Cell Proliferation: A Collaborative Approach to Resolving the Betatrophin Controversy. <i>PLoS ONE</i> , 2016 , 11, e0159276	3.7	34
31	Stem cells to insulin secreting cells: two steps forward and now a time to pause?. <i>Cell Stem Cell</i> , 2014 , 15, 535-6	18	33
30	Immunofluorescent detection of two thymidine analogues (CldU and IdU) in primary tissue. <i>Journal of Visualized Experiments</i> , 2010 ,	1.6	33
29	Aging induces a distinct gene expression program in mouse islets. <i>Islets</i> , 2010 , 2, 345-52	2	33
28	β Cells Persist in T1D Pancreata Without Evidence of Ongoing β Cell Turnover or Neogenesis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 2647-2659	5.6	30
27	Comparative Pathogenesis of Autoimmune Diabetes in Humans, NOD Mice, and Canines: Has a Valuable Animal Model of Type 1 Diabetes Been Overlooked?. <i>Diabetes</i> , 2017 , 66, 1443-1452	0.9	30
26	High Expression in Mammalian Cells Without Amplification. <i>Nature Biotechnology</i> , 1989 , 7, 359-362	44.5	26
25	Extreme Beta-Cell Deficiency in Pancreata of Dogs with Canine Diabetes. <i>PLoS ONE</i> , 2015 , 10, e0129809	3.7	24
24	Highly Proliferative β Cell-Related Islet Endocrine Cells in Human Pancreata. <i>Diabetes</i> , 2018 , 67, 674-686	0.9	23
23	Insulin-like growth factor 2 and the insulin receptor, but not insulin, regulate fetal hepatic glycogen synthesis. <i>Endocrinology</i> , 2010 , 151, 741-7	4.8	23
22	Improving the scientific rigour of nutritional recommendations for adults with type 2 diabetes: A comprehensive review of the American Diabetes Association guideline-recommended eating patterns. <i>Diabetes, Obesity and Metabolism</i> , 2019 , 21, 1769-1779	6.7	22
21	Low-Level Insulin Content Within Abundant Non- β Islet Endocrine Cells in Long-standing Type 1 Diabetes. <i>Diabetes</i> , 2019 , 68, 598-608	0.9	21
20	Rebranding asymptomatic type 1 diabetes: the case for autoimmune beta cell disorder as a pathological and diagnostic entity. <i>Diabetologia</i> , 2017 , 60, 35-38	10.3	20
19	Extreme obesity induces massive beta cell expansion in mice through self-renewal and does not alter the beta cell lineage. <i>Diabetologia</i> , 2016 , 59, 1231-41	10.3	19

18	Irs2 inactivation suppresses tumor progression in Pten+/- mice. <i>American Journal of Pathology</i> , 2009 , 174, 276-86	5.8	19
17	Dose-dependent glycometabolic effects of sotagliflozin on type 1 diabetes over 12 weeks: The inTandem4 trial. <i>Diabetes, Obesity and Metabolism</i> , 2019 , 21, 2440-2449	6.7	15
16	Tamoxifen suppresses pancreatic β cell proliferation in mice. <i>PLoS ONE</i> , 2019 , 14, e0214829	3.7	13
15	GATA factors promote ER integrity and β cell survival and contribute to type 1 diabetes risk. <i>Molecular Endocrinology</i> , 2014 , 28, 28-39		13
14	Incretin Therapies Do Not Expand β Cell Mass or Alter Pancreatic Histology in Young Male Mice. <i>Endocrinology</i> , 2017 , 158, 1701-1714	4.8	11
13	The Autoimmune Disorder Susceptibility Gene Restrains NK Cell Function in YTS NK Cell Line and Knockout Mice. <i>Frontiers in Immunology</i> , 2019 , 10, 68	8.4	11
12	CLEC16A regulates splenocyte and NK cell function in part through MEK signaling. <i>PLoS ONE</i> , 2018 , 13, e0203952	3.7	11
11	Identifying and addressing gaps in reproductive health education for adolescent girls with type 1 diabetes. <i>PLoS ONE</i> , 2018 , 13, e0206102	3.7	10
10	Outcomes, care utilization, and expenditures in adolescent pregnancy complicated by diabetes. <i>Pediatric Diabetes</i> , 2019 , 20, 769-777	3.6	7
9	Diabetic Ketoacidosis and Related Events With Sotagliflozin Added to Insulin in Adults With Type 1 Diabetes: A Pooled Analysis of the inTandem 1 and 2 Studies. <i>Diabetes Care</i> , 2020 , 43, 2713-2720	14.6	6
8	Development. Esophageal stem cells, where art thou?. <i>Science</i> , 2012 , 337, 1051-2	33.3	5
7	Adjunct Therapy in Type 1 Diabetes: A Survey to Uncover Unmet Needs and Patient Preferences Beyond HbA1c Measures. <i>Diabetes Technology and Therapeutics</i> , 2019 , 21, 336-343	8.1	4
6	Fifty-Two-Week Efficacy and Safety of Sotagliflozin, a Dual SGLT1 and SGLT2 Inhibitor, as Adjunct Therapy to Insulin in Adults with Type 1 Diabetes (inTandem1). <i>Diabetes</i> , 2018 , 67, 212-OR	0.9	4
5	Glucagon Receptor Antagonist-Stimulated β Cell Proliferation Is Severely Restricted With Advanced Age. <i>Diabetes</i> , 2019 , 68, 963-974	0.9	3
4	Effects of Sotagliflozin Combined with Intensive Insulin Therapy in Young Adults with Poorly Controlled Type 1 Diabetes: The JDRF Sotagliflozin Study. <i>Diabetes Technology and Therapeutics</i> , 2021 , 23, 59-69	8.1	3
3	Permanent neonatal diabetes mellitus in monozygotic twins achieving low-dose sulfonylurea therapy. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2014 , 27, 135-8	1.6	2
2	Increased Time-in-Range with Sotagliflozin as Adjunct Therapy to Insulin in Adults with Type 1 Diabetes as Demonstrated by 24-Week Continuous Glucose Monitoring (inTandem1, inTandem2). <i>Diabetes</i> , 2018 , 67, 1179-P	0.9	2
1	Area IV Knockout Reveals How Pdx1 Is Regulated in Postnatal β Cell Development. <i>Diabetes</i> , 2017 , 66, 2738-2740	0.9	1

