

# Kathrin Maedler

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/5954106/kathrin-maedler-publications-by-year.pdf>

**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

101 papers	7,428 citations	40 h-index	86 g-index
118 ext. papers	8,190 ext. citations	7.5 avg, IF	5.63 L-index

#	Paper	IF	Citations
101	How $\beta$ cells can smell insulin fragments.. <i>Cell Metabolism</i> , <b>2022</b> , 34, 189-191	24.6	1
100	MST1 deletion protects $\beta$ cells in a mouse model of diabetes.. <i>Nutrition and Diabetes</i> , <b>2022</b> , 12, 7	4.7	0
99	PHLPP1 deletion restores pancreatic $\beta$ cell survival and normoglycemia in the db/db mouse model of obesity-associated diabetes.. <i>Cell Death Discovery</i> , <b>2022</b> , 8, 57	6.9	0
98	Case Report: Neratinib Therapy Improves Glycemic Control in a Patient With Type 2 Diabetes and Breast Cancer.. <i>Frontiers in Endocrinology</i> , <b>2022</b> , 13, 830097	5.7	1
97	SARS-CoV-2 and pancreas: a potential pathological interaction?. <i>Trends in Endocrinology and Metabolism</i> , <b>2021</b> , 32, 842-845	8.8	11
96	Hippo STK kinases drive metabolic derangement. <i>Nature Metabolism</i> , <b>2021</b> , 3, 295-296	14.6	
95	GLP-2 Is Locally Produced From Human Islets and Balances Inflammation Through an Inter-Islet-Immune Cell Crosstalk. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 697120	5.7	4
94	Localization of enteroviral RNA within the pancreas in donors with T1D and T1D-associated autoantibodies. <i>Cell Reports Medicine</i> , <b>2021</b> , 2, 100371	18	4
93	Inhibition of PHLPP1/2 phosphatases rescues pancreatic $\beta$ cells in diabetes. <i>Cell Reports</i> , <b>2021</b> , 36, 109490	10.6	5
92	The Hippo kinase LATS2 impairs pancreatic $\beta$ cell survival in diabetes through the mTORC1-autophagy axis. <i>Nature Communications</i> , <b>2021</b> , 12, 4928	17.4	5
91	Deathly triangle for pancreatic $\beta$ cells: Hippo pathway-MTORC1-autophagy. <i>Autophagy</i> , <b>2021</b> , 1-3	10.2	1
90	LDHA is enriched in human islet $\alpha$ cells and upregulated in type 2 diabetes. <i>Biochemical and Biophysical Research Communications</i> , <b>2021</b> , 568, 158-166	3.4	1
89	Lung Surfactant for Pulmonary Barrier Restoration in Patients With COVID-19 Pneumonia. <i>Frontiers in Medicine</i> , <b>2020</b> , 7, 254	4.9	44
88	STRIPAK Is a Regulatory Hub Initiating Hippo Signaling. <i>Trends in Biochemical Sciences</i> , <b>2020</b> , 45, 280-283	10.3	2
87	Lung Surfactant Accelerates Skin Wound Healing: A Translational Study with a Randomized Clinical Phase I Study. <i>Scientific Reports</i> , <b>2020</b> , 10, 2581	4.9	6
86	Loss of TAZ Boosts PPAR $\alpha$ to Cope with Insulin Resistance. <i>Cell Metabolism</i> , <b>2020</b> , 31, 6-8	24.6	5
85	Enteroviruses and T1D: Is It the Virus, the Genes or Both which Cause T1D. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	9

84	Commentary: A Human Pluripotent Stem Cell-Based Platform to Study SARS-CoV-2 Tropism and Model Virus Infection in Human Cells and Organoids. <i>Frontiers in Endocrinology</i> , <b>2020</b> , 11, 585922	5.7	2
83	Neratinib protects pancreatic beta cells in diabetes. <i>Nature Communications</i> , <b>2019</b> , 10, 5015	17.4	21
82	Matrix Metalloproteinase-3 is Key Effector of TNF- $\alpha$ -Induced Collagen Degradation in Skin. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	16
81	Neratinib is an MST1 inhibitor and restores pancreatic $\beta$ cells in diabetes. <i>Cell Death Discovery</i> , <b>2019</b> , 5, 149	6.9	6
80	Macrophage-associated pro-inflammatory state in human islets from obese individuals. <i>Nutrition and Diabetes</i> , <b>2019</b> , 9, 36	4.7	15
79	TLR4 triggered complex inflammation in human pancreatic islets. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2019</b> , 1865, 86-97	6.9	15
78	mTORC2 Signaling: A Path for Pancreatic $\beta$ Cells Growth and Function. <i>Journal of Molecular Biology</i> , <b>2018</b> , 430, 904-918	6.5	20
77	The Hippo Signaling Pathway in Pancreatic $\beta$ Cells: Functions and Regulations. <i>Endocrine Reviews</i> , <b>2018</b> , 39, 21-35	27.2	23
76	Ageing potentiates diet-induced glucose intolerance, $\beta$ cell failure and tissue inflammation through TLR4. <i>Scientific Reports</i> , <b>2018</b> , 8, 2767	4.9	20
75	mTORC1 Signaling: A Double-Edged Sword in Diabetic $\beta$ Cells. <i>Cell Metabolism</i> , <b>2018</b> , 27, 314-331	24.6	82
74	Hippo Signaling: Key Emerging Pathway in Cellular and Whole-Body Metabolism. <i>Trends in Endocrinology and Metabolism</i> , <b>2018</b> , 29, 492-509	8.8	60
73	mTORC1 and IRS1: Another Deadly Kiss. <i>Trends in Endocrinology and Metabolism</i> , <b>2018</b> , 29, 737-739	8.8	6
72	An SCF E3 Ligase Protects Pancreatic $\beta$ Cells from Apoptosis. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	2
71	Loss of Deubiquitinase USP1 Blocks Pancreatic $\beta$ Cell Apoptosis by Inhibiting DNA Damage Response. <i>IScience</i> , <b>2018</b> , 1, 72-86	6.1	5
70	mTORC in $\beta$ cells: more Than Only Recognizing Comestibles. <i>Journal of Cell Biology</i> , <b>2017</b> , 216, 1883-1885	7.3	8
69	Siglec-7 restores $\beta$ cell function and survival and reduces inflammation in pancreatic islets from patients with diabetes. <i>Scientific Reports</i> , <b>2017</b> , 7, 45319	4.9	22
68	Statement of Retraction. Transcription Factor 7-Like 2 Regulates $\beta$ Cell Survival and Function in Human Pancreatic Islets. <i>Diabetes</i> , <b>2017</b> , 66, 1729-1730	0.9	1
67	Reciprocal regulation of mTOR complexes in pancreatic islets from humans with type 2 diabetes. <i>Diabetologia</i> , <b>2017</b> , 60, 668-678	10.3	54

66	Detection and localization of viral infection in the pancreas of patients with type 1 diabetes using short fluorescently-labelled oligonucleotide probes. <i>Oncotarget</i> , <b>2017</b> , 8, 12620-12636	3.3	19
65	Enhanced cell adhesion on bioinert ceramics mediated by the osteogenic cell membrane enzyme alkaline phosphatase. <i>Materials Science and Engineering C</i> , <b>2016</b> , 69, 184-94	8.3	11
64	Distinct functions of the dual leucine zipper kinase depending on its subcellular localization. <i>Cellular Signalling</i> , <b>2016</b> , 28, 272-83	4.9	11
63	Loss of Merlin/NF2 protects pancreatic $\beta$ cells from apoptosis by inhibiting LATS2. <i>Cell Death and Disease</i> , <b>2016</b> , 7, e2107	9.8	9
62	Proproliferative and antiapoptotic action of exogenously introduced YAP in pancreatic cells. <i>JCI Insight</i> , <b>2016</b> , 1, e86326	9.9	20
61	Evaluation of Existing Methods for Human Blood mRNA Isolation and Analysis for Large Studies. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161778	3.7	9
60	Angiopoietin-2 Signals Do Not Mediate the Hypervascularization of Islets in Type 2 Diabetes. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161834	3.7	8
59	EMSCs: successful fusion of MSCs with $\beta$ cells results in a $\beta$ cell like phenotype. <i>Oncotarget</i> , <b>2016</b> , 7, 48963-48977	3.3	5
58	MST1: a promising therapeutic target to restore functional beta cell mass in diabetes. <i>Diabetologia</i> , <b>2016</b> , 59, 1843-9	10.3	31
57	Manganese-mediated MRI signals correlate with functional $\beta$ cell mass during diabetes progression. <i>Diabetes</i> , <b>2015</b> , 64, 2138-47	0.9	13
56	Benchmark datasets for 3D MALDI- and DESI-imaging mass spectrometry. <i>GigaScience</i> , <b>2015</b> , 4, 20	7.6	45
55	MST1 is a key regulator of beta cell apoptosis and dysfunction in diabetes. <i>Nature Medicine</i> , <b>2014</b> , 20, 385-397	50.5	140
54	TLR2/6 and TLR4-activated macrophages contribute to islet inflammation and impair beta cell insulin gene expression via IL-1 and IL-6. <i>Diabetologia</i> , <b>2014</b> , 57, 1645-54	10.3	72
53	Possible role of interleukin-1 $\beta$ in type 2 diabetes onset and implications for anti-inflammatory therapy strategies. <i>PLoS Computational Biology</i> , <b>2014</b> , 10, e1003798	5	41
52	Proapoptotic effects of the chemokine, CXCL 10 are mediated by the noncognate receptor TLR4 in hepatocytes. <i>Hepatology</i> , <b>2013</b> , 57, 797-805	11.2	42
51	The DPP-4 inhibitor linagliptin restores $\beta$ cell function and survival in human isolated islets through GLP-1 stabilization. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2013</b> , 98, E1163-72	5.6	77
50	Genetic and biochemical evidence for a functional role of BACE1 in the regulation of insulin mRNA expression. <i>Obesity</i> , <b>2013</b> , 21, E626-33	8	17
49	The adipocytokine Nampt and its product NMN have no effect on beta-cell survival but potentiate glucose stimulated insulin secretion. <i>PLoS ONE</i> , <b>2013</b> , 8, e54106	3.7	37

48	TOSO promotes $\beta$ cell proliferation and protects from apoptosis. <i>Molecular Metabolism</i> , <b>2012</b> , 1, 70-8	8.8	4
47	Imaging of the $\beta$ cells of the islets of Langerhans. <i>Diabetes Research and Clinical Practice</i> , <b>2012</b> , 98, 11-8	7.4	15
46	TCF7L2 promotes beta cell regeneration in human and mouse pancreas. <i>Diabetologia</i> , <b>2012</b> , 55, 3296-307	10.3	36
45	COUP-TFII controls mouse pancreatic $\beta$ cell mass through GLP-1- $\beta$ catenin signaling pathways. <i>PLoS ONE</i> , <b>2012</b> , 7, e30847	3.7	20
44	Targeting the Metabolic Syndrome and Type 2 Diabetes by Preventing Inflammation <b>2012</b> , 233-252		
43	Upregulation of alpha cell glucagon-like peptide 1 (GLP-1) in Psammomys obesus--an adaptive response to hyperglycaemia?. <i>Diabetologia</i> , <b>2011</b> , 54, 1379-87	10.3	68
42	Identification of an intracellular metabolic signature impairing beta cell function in the rat beta cell line INS-1E and human islets. <i>Diabetologia</i> , <b>2011</b> , 54, 2584-94	10.3	28
41	TCF7L2 splice variants have distinct effects on beta-cell turnover and function. <i>Human Molecular Genetics</i> , <b>2011</b> , 20, 1906-15	5.6	63
40	Rettet die Beta-Zelle: Neue Therapieansätze für Diabetes. <i>Diabetologie Und Stoffwechsel</i> , <b>2011</b> , 6, 283-286	0.7	
39	Neutralizing interleukin-1beta (IL-1beta) induces beta-cell survival by maintaining PDX1 protein nuclear localization. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 17144-55	5.4	24
38	Interleukin-targeted therapy for metabolic syndrome and type 2 diabetes. <i>Handbook of Experimental Pharmacology</i> , <b>2011</b> , 257-78	3.2	20
37	XOMA 052, an anti-IL-1{beta} monoclonal antibody, improves glucose control and {beta}-cell function in the diet-induced obesity mouse model. <i>Endocrinology</i> , <b>2010</b> , 151, 2515-27	4.8	77
36	Efficient gene delivery and silencing of mouse and human pancreatic islets. <i>BMC Biotechnology</i> , <b>2010</b> , 10, 28	3.5	12
35	CXCL10- a path to $\beta$ cell death. <i>Islets</i> , <b>2009</b> , 1, 256-9	2	7
34	Pancreatic beta cells and islets take up thiamin by a regulated carrier-mediated process: studies using mice and human pancreatic preparations. <i>American Journal of Physiology - Renal Physiology</i> , <b>2009</b> , 297, G197-206	5.1	27
33	Purinergic P2X7 receptors regulate secretion of interleukin-1 receptor antagonist and beta cell function and survival. <i>Diabetologia</i> , <b>2009</b> , 52, 1579-88	10.3	69
32	CXCL10 impairs beta cell function and viability in diabetes through TLR4 signaling. <i>Cell Metabolism</i> , <b>2009</b> , 9, 125-39	24.6	154
31	Decreased TCF7L2 protein levels in type 2 diabetes mellitus correlate with downregulation of GIP- and GLP-1 receptors and impaired beta-cell function. <i>Human Molecular Genetics</i> , <b>2009</b> , 18, 2388-99	5.6	200

30	Interleukin-1 beta targeted therapy for type 2 diabetes. <i>Expert Opinion on Biological Therapy</i> , <b>2009</b> , 9, 1177-88	5.4	79
29	Deletion of the mitochondrial flavoprotein apoptosis inducing factor (AIF) induces beta-cell apoptosis and impairs beta-cell mass. <i>PLoS ONE</i> , <b>2009</b> , 4, e4394	3.7	15
28	Beta cells in type 2 diabetes - a crucial contribution to pathogenesis. <i>Diabetes, Obesity and Metabolism</i> , <b>2008</b> , 10, 408-20	6.7	33
27	The antiinflammatory cytokine interleukin-1 receptor antagonist protects from high-fat diet-induced hyperglycemia. <i>Endocrinology</i> , <b>2008</b> , 149, 2208-18	4.8	153
26	Transcription factor 7-like 2 regulates beta-cell survival and function in human pancreatic islets. <i>Diabetes</i> , <b>2008</b> , 57, 645-53	0.9	221
25	Glucose and leptin induce apoptosis in human beta-cells and impair glucose-stimulated insulin secretion through activation of c-Jun N-terminal kinases. <i>FASEB Journal</i> , <b>2008</b> , 22, 1905-13	0.9	84
24	Identification of ALOX5 as a gene regulating adiposity and pancreatic function. <i>Diabetologia</i> , <b>2008</b> , 51, 978-88	10.3	39
23	The diabetes-linked transcription factor Pax4 is expressed in human pancreatic islets and is activated by mitogens and GLP-1. <i>Human Molecular Genetics</i> , <b>2008</b> , 17, 478-89	5.6	40
22	UCP-2 and UCP-3 proteins are differentially regulated in pancreatic beta-cells. <i>PLoS ONE</i> , <b>2008</b> , 3, e13973	3.7	24
21	The Fas pathway is involved in pancreatic beta cell secretory function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 2861-6	11.5	64
20	Increased vulnerability of newly forming beta cells to cytokine-induced cell death. <i>Diabetologia</i> , <b>2006</b> , 49, 83-9	10.3	44
19	Aging correlates with decreased beta-cell proliferative capacity and enhanced sensitivity to apoptosis: a potential role for Fas and pancreatic duodenal homeobox-1. <i>Diabetes</i> , <b>2006</b> , 55, 2455-62	0.9	133
18	Low concentration of interleukin-1beta induces FLICE-inhibitory protein-mediated beta-cell proliferation in human pancreatic islets. <i>Diabetes</i> , <b>2006</b> , 55, 2713-22	0.9	139
17	Overexpression of IRS2 in isolated pancreatic islets causes proliferation and protects human beta-cells from hyperglycemia-induced apoptosis. <i>Experimental Cell Research</i> , <b>2005</b> , 303, 68-78	4.2	45
16	Mechanisms of beta-cell death in type 2 diabetes. <i>Diabetes</i> , <b>2005</b> , 54 Suppl 2, S108-13	0.9	339
15	Sulfonylurea induced beta-cell apoptosis in cultured human islets. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2005</b> , 90, 501-6	5.6	267
14	Pioglitazone and sodium salicylate protect human beta-cells against apoptosis and impaired function induced by glucose and interleukin-1beta. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2004</b> , 89, 5059-66	5.6	90
13	Leptin modulates beta cell expression of IL-1 receptor antagonist and release of IL-1beta in human islets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 8138-43	11.5	211

12	Glucose- and interleukin-1 $\beta$ -induced beta-cell apoptosis requires Ca <sup>2+</sup> influx and extracellular signal-regulated kinase (ERK) 1/2 activation and is prevented by a sulfonylurea receptor 1/inwardly rectifying K <sup>+</sup> channel 6.2 (SUR/Kir6.2) selective potassium channel opener in human islets. <i>Diabetes</i> , <b>2004</b> , 53, 1706-13	0.9	135
11	Expression of Fas but not Fas ligand on fetal pig beta cells. <i>Xenotransplantation</i> , <b>2004</b> , 11, 426-35	2.8	6
10	Extracellular matrix protects pancreatic beta-cells against apoptosis: role of short- and long-term signaling pathways. <i>Diabetes</i> , <b>2004</b> , 53, 2034-41	0.9	149
9	Inflammatory mediators and islet beta-cell failure: a link between type 1 and type 2 diabetes. <i>Journal of Molecular Medicine</i> , <b>2003</b> , 81, 455-70	5.5	330
8	Monounsaturated fatty acids prevent the deleterious effects of palmitate and high glucose on human pancreatic beta-cell turnover and function. <i>Diabetes</i> , <b>2003</b> , 52, 726-33	0.9	445
7	Impact of integrin-matrix matching and inhibition of apoptosis on the survival of purified human beta-cells in vitro. <i>Diabetologia</i> , <b>2002</b> , 45, 841-50	10.3	75
6	FLIP switches Fas-mediated glucose signaling in human pancreatic beta cells from apoptosis to cell replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 8236-41	11.5	122
5	Glucose-induced beta cell production of IL-1 $\beta$ contributes to glucotoxicity in human pancreatic islets. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 851-60	15.9	439
4	Glucose-induced $\beta$ cell production of IL-1 $\beta$ contributes to glucotoxicity in human pancreatic islets. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 851-860	15.9	846
3	Glucose induces beta-cell apoptosis via upregulation of the Fas receptor in human islets. <i>Diabetes</i> , <b>2001</b> , 50, 1683-90	0.9	301
2	Distinct effects of saturated and monounsaturated fatty acids on beta-cell turnover and function. <i>Diabetes</i> , <b>2001</b> , 50, 69-76	0.9	443
1	Glucose and palmitic acid induce degeneration of myofibrils and modulate apoptosis in rat adult cardiomyocytes. <i>Diabetes</i> , <b>2001</b> , 50, 2105-13	0.9	169