Helen E Thomas

List of Publications by Year
in descending order

49 papers	1,162 citations	430874 18 h-index	414414 32 g-index
50 all docs	50 docs citations	50 times ranked	1770 citing authors

#	Article	IF	Citations
1	Beta cell apoptosis in diabetes. Apoptosis: an International Journal on Programmed Cell Death, 2009, 14, 1389-1404.	4.9	154
2	Proinsulin-Specific, HLA-DQ8, and HLA-DQ8-Transdimerâ€"Restricted CD4+ T Cells Infiltrate Islets in Type 1 Diabetes. Diabetes, 2015, 64, 172-182.	0.6	137
3	Repurposed JAK1/JAK2 Inhibitor Reverses Established Autoimmune Insulitis in NOD Mice. Diabetes, 2017, 66, 1650-1660.	0.6	61
4	Pathogenic Mechanisms in Type 1 Diabetes: The Islet is Both Target and Driver of Disease. Review of Diabetic Studies, 2012, 9, 148-168.	1.3	55
5	Effector-Memory T Cells Develop in Islets and Report Islet Pathology in Type 1 Diabetes. Journal of Immunology, 2014, 192, 572-580.	0.8	52
6	Linking Metabolic Abnormalities to Apoptotic Pathways in Beta Cells in Type 2 Diabetes. Cells, 2013, 2, 266-283.	4.1	44
7	Autoreactive Cytotoxic T Lymphocytes Acquire Higher Expression of Cytotoxic Effector Markers in the Islets of NOD Mice after Priming in Pancreatic Lymph Nodes. American Journal of Pathology, 2011, 178, 2716-2725.	3.8	40
8	Structural and functional polarisation of human pancreatic beta cells in islets from organ donors with and without type 2 diabetes. Diabetologia, 2021, 64, 618-629.	6.3	40
9	Lipotoxic Stress Induces Pancreatic<i>Î²</i>-Cell Apoptosis through Modulation of Bcl-2 Proteins by the Ubiquitin-Proteasome System. Journal of Diabetes Research, 2015, 2015, 1-16.	2.3	33
10	Deficiency in Type I Interferon Signaling Prevents the Early Interferonâ€"Induced Gene Signature in Pancreatic Islets but Not Type 1 Diabetes in NOD Mice. Diabetes, 2014, 63, 1032-1040.	0.6	32
11	Autoreactive T cells induce necrosis and not BCL-2-regulated or death receptor-mediated apoptosis or RIPK3-dependent necroptosis of transplanted islets in a mouse model of type 1 diabetes. Diabetologia, 2015, 58, 140-148.	6.3	32
12	Mouse pancreatic beta cells express MHC class II and stimulate CD4⁺ T cells to proliferate. European Journal of Immunology, 2015, 45, 2494-2503.	2.9	30
13	Proinflammatory cytokines contribute to development and function of regulatory T cells in type 1 diabetes. Annals of the New York Academy of Sciences, 2013, 1283, 81-86.	3.8	26
14	Activation of the NLRP3 Inflammasome Complex is Not Required for Stress-Induced Death of Pancreatic Islets. PLoS ONE, 2014, 9, e113128.	2.5	26
15	Localization of dipeptidyl peptidase-4 (CD26) to human pancreatic ducts and islet alpha cells. Diabetes Research and Clinical Practice, 2015, 110, 291-300.	2.8	25
16	Perturbations in nuclear factorâ€Î°B or câ€Jun Nâ€terminal kinase pathways in pancreatic beta cells confer susceptibility to cytokineâ€induced cell death. Immunology and Cell Biology, 2006, 84, 20-27.	2.3	23
17	Perforin facilitates beta cell killing and regulates autoreactive CD8 + Tâ€cell responses to antigen in mouse models of type 1 diabetes. Immunology and Cell Biology, 2016, 94, 334-341.	2.3	22
18	A fluorescent timer reporter enables sorting of insulin secretory granules by age. Journal of Biological Chemistry, 2020, 295, 8901-8911.	3.4	22

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19	In vivo effects of cytokines on pancreatic Î²â€cells in models of type I diabetes dependent on CD4 + T lymphocytes. Immunology and Cell Biology, 2009, 87, 178-185.	2.3	21
20	Intracellular pathways of pancreatic Î²â€cell apoptosis in type 1 diabetes. Diabetes/Metabolism Research and Reviews, 2011, 27, 790-796.	4.0	21
21	Interferon signalling in pancreatic beta cells. Frontiers in Bioscience - Landmark, 2009, Volume, 644.	3.0	19
22	Linking obesity with type 2 diabetes: the role of T-bet. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2014, 7, 331.	2.4	18
23	Circulating platelet-neutrophil aggregates characterize the development of type 1 diabetes in humans and NOD mice. JCI Insight, 2022, 7, .	5.0	18
24	Inactivation of Protein Tyrosine Phosphatases Enhances Interferon Signaling in Pancreatic Islets. Diabetes, 2015, 64, 2489-2496.	0.6	17
25	Disruption of Serinc1, which facilitates serine-derived lipid synthesis, fails to alter macrophage function, lymphocyte proliferation or autoimmune disease susceptibility. Molecular Immunology, 2017, 82, 19-33.	2.2	17
26	Granzyme A Deficiency Breaks Immune Tolerance and Promotes Autoimmune Diabetes Through a Type I Interferonâ€“Dependent Pathway. Diabetes, 2017, 66, 3041-3050.	0.6	17
27	Metallothionein 1 negatively regulates glucose-stimulated insulin secretion and is differentially expressed in conditions of beta cell compensation and failure in mice and humans. Diabetologia, 2019, 62, 2273-2286.	6.3	16
28	Perinatal tolerance to proinsulin is sufficient to prevent autoimmune diabetes. JCI Insight, 2016, 1, e86065.	5.0	14
29	Functional cytotoxic T lymphocytes against IGRP 206â€214 predict diabetes in the nonâ€obese diabetic mouse. Immunology and Cell Biology, 2014, 92, 640-644.	2.3	13
30	BIM Deficiency Protects NOD Mice From Diabetes by Diverting Thymocytes to Regulatory T Cells. Diabetes, 2015, 64, 3229-3238.	0.6	13
31	Granzyme B Is Dispensable in the Development of Diabetes in Non-Obese Diabetic Mice. PLoS ONE, 2012, 7, e40357.	2.5	12
32	An indirect role for NK cells in a CD4 + Tâ€cellâ€dependent mouse model of type I diabetes. Immunology and Cell Biology, 2012, 90, 243-247.	2.3	10
33	Human islet cells are killed by BID-independent mechanisms in response to FAS ligand. Apoptosis: an International Journal on Programmed Cell Death, 2016, 21, 379-389.	4.9	10
34	NF-Î°B is weakly activated in the NOD mouse model of type 1 diabetes. Scientific Reports, 2018, 8, 4217.	3.3	10
35	Type I Interferon Signaling Is Required for Dacryoadenitis in the Nonobese Diabetic Mouse Model of SjÃ¶gren Syndrome. International Journal of Molecular Sciences, 2018, 19, 3259.	4.1	10
36	Neuropeptide Y1 receptor antagonism protects Î²-cells and improves glycemic control in type 2 diabetes. Molecular Metabolism, 2022, 55, 101413.	6.5	10

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37	Severe acute respiratory syndrome coronavirus 2 as a potential cause of type 1 diabetes facilitated by spike protein receptor binding domain attachment to human islet cells: An illustrative case study and experimental data. Diabetic Medicine, 2021, 38, e14608.	2.3	9
38	The pro-apoptotic BH3-only protein Bid is dispensable for development of insulitis and diabetes in the non-obese diabetic mouse. Apoptosis: an International Journal on Programmed Cell Death, 2011, 16, 822-830.	4.9	7
39	Deficiency of the innate immune adaptor STING promotes autoreactive T cell expansion in NOD mice. Diabetologia, 2021, 64, 878-889.	6.3	6
40	Harnessing CD8 + Tâ€cell exhaustion to treat type 1 diabetes. Immunology and Cell Biology, 2021, 99, 486-495.	2.3	5
41	How to Make Mice Tell the Truth. Diabetes, 2016, 65, 1161-1163.	0.6	4
42	IL-21 regulates SOCS1 expression in autoreactive CD8+ T cells but is not required for acquisition of CTL activity in the islets of non-obese diabetic mice. Scientific Reports, 2019, 9, 15302.	3.3	4
43	Machine Learning Algorithms, Applied to Intact Islets of Langerhans, Demonstrate Significantly Enhanced Insulin Staining at the Capillary Interface of Human Pancreatic Î² Cells. Metabolites, 2021, 11, 363.	2.9	3
44	Interferons limit autoantigen-specific CD8+ T-cell expansion in the non-obese diabetic mouse. Cell Reports, 2022, 39, 110747.	6.4	3
45	Replica moulded poly(dimethylsiloxane) microwell arrays induce localized endothelial cell immobilization for coculture with pancreatic islets. Biointerphases, 2019, 14, 011002.	1.6	1
46	Replacing murine insulin 1 with human insulin protects NOD mice from diabetes. , 2019, 14, e0225021.		0
47	Replacing murine insulin 1 with human insulin protects NOD mice from diabetes. , 2019, 14, e0225021.		0
48	Replacing murine insulin 1 with human insulin protects NOD mice from diabetes. , 2019, 14, e0225021.		0
49	Replacing murine insulin 1 with human insulin protects NOD mice from diabetes. , 2019, 14, e0225021.		0