Leena Haataja

List of Publications by Year in descending order

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38 papers	2,256 citations	304743 22 h-index	302126 39 g-index
44 all docs	44 docs citations	44 times ranked	2789 citing authors

#	Article	IF	Citations
1	The ER transmembrane protein PGRMC1 recruits misfolded proteins for reticulophagic clearance. Autophagy, 2022, 18, 228-230.	9.1	4
2	Reduced replication fork speed promotes pancreatic endocrine differentiation and controls graft size. JCI Insight, 2021, 6, .	5.0	22
3	Altered Î²-Cell Prohormone Processing and Secretion in Type 1 Diabetes. Diabetes, 2021, 70, 1038-1050.	0.6	28
4	Distinct states of proinsulin misfolding in MIDY. Cellular and Molecular Life Sciences, 2021, 78, 6017-6031.	5.4	18
5	Predisposition to Proinsulin Misfolding as a Genetic Risk to Diet-Induced Diabetes. Diabetes, 2021, 70, 2580-2594.	0.6	6
6	Normal and defective pathways in biogenesis and maintenance of the insulin storage pool. Journal of Clinical Investigation, 2021, 131, .	8.2	39
7	PGRMC1 acts as a size-selective cargo receptor to drive ER-phagic clearance of mutant prohormones. Nature Communications, 2021, 12, 5991.	12.8	21
8	Biological behaviors of mutant proinsulin contribute to the phenotypic spectrum of diabetes associated with insulin gene mutations. Molecular and Cellular Endocrinology, 2020, 518, 111025.	3.2	11
9	Evolution of insulin at the edge of foldability and its medical implications. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29618-29628.	7.1	30
10	The type 2 diabetes gene product STARD10 is a phosphoinositide-binding protein that controls insulin secretory granule biogenesis. Molecular Metabolism, 2020, 40, 101015.	6.5	22
11	â€œRegister-shiftâ€•insulin analogs uncover constraints of proteotoxicity in protein evolution. Journal of Biological Chemistry, 2020, 295, 3080-3098.	3.4	11
12	Role of Proinsulin Self-Association in Mutant INS Geneâ€“Induced Diabetes of Youth. Diabetes, 2020, 69, 954-964.	0.6	24
13	Abnormalities in proinsulin processing in islets from individuals with longstanding T1D. Translational Research, 2019, 213, 90-99.	5.0	38
14	Endoplasmic Reticulum Chaperone Glucose-Regulated Protein 94 Is Essential for Proinsulin Handling. Diabetes, 2019, 68, 747-760.	0.6	52
15	Response to Comment on Sims et al. Proinsulin Secretion Is a Persistent Feature of Type 1 Diabetes. Diabetes Care 2019;42:258â€“264. Diabetes Care, 2019, 42, e85-e86.	8.6	5
16	Requirement for translocon-associated protein (TRAP) Î± in insulin biogenesis. Science Advances, 2019, 5, eaax0292.	10.3	21
17	Proinsulin Secretion Is a Persistent Feature of Type 1 Diabetes. Diabetes Care, 2019, 42, 258-264.	8.6	82
18	Proinsulin misfolding is an early event in the progression to type 2 diabetes. ELife, 2019, 8, .	6.0	103

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19	Misfolded proinsulin in the endoplasmic reticulum during development of beta cell failure in diabetes. Annals of the New York Academy of Sciences, 2018, 1418, 5-19.	3.8	57
20	Biosynthesis, structure, and folding of the insulin precursor protein. Diabetes, Obesity and Metabolism, 2018, 20, 28-50.	4.4	140
21	Silencing of the FTO gene inhibits insulin secretion: An in vitro study using GRINCH cells. Molecular and Cellular Endocrinology, 2018, 472, 10-17.	3.2	23
22	Hypothalamic ERâ€“associated degradation regulates POMC maturation, feeding, and age-associated obesity. Journal of Clinical Investigation, 2018, 128, 1125-1140.	8.2	54
23	Persistence of Pancreatic Insulin mRNA Expression and Proinsulin Protein in Type 1 Diabetes Pancreata. Cell Metabolism, 2017, 26, 568-575.e3.	16.2	77
24	Hyperglucagonemia in an animal model of insulin- deficient diabetes: what therapy can improve it?. Clinical Diabetes and Endocrinology, 2016, 2, 11.	2.7	9
25	Monitoring C-Peptide Storage and Secretion in Islet Î²-Cells In Vitro and In Vivo. Diabetes, 2016, 65, 699-709.	0.6	46
26	Disulfide Mispairing During Proinsulin Folding in the Endoplasmic Reticulum. Diabetes, 2016, 65, 1050-1060.	0.6	47
27	Autophagy is a major regulator of beta cell insulin homeostasis. Diabetologia, 2016, 59, 1480-1491.	6.3	117
28	Pancreatic Î²-Cell Adaptive Plasticity in Obesity Increases Insulin Production but Adversely Affects Secretory Function. Diabetes, 2016, 65, 438-450.	0.6	88
29	Disruption of O-linked N-Acetylglucosamine Signaling Induces ER Stress and Î² Cell Failure. Cell Reports, 2015, 13, 2527-2538.	6.4	51
30	Controlled induction of human pancreatic progenitors produces functional betaâ€like cells in vitro. EMBO Journal, 2015, 34, 1759-1772.	7.8	481
31	Inefficient Translocation of Preproinsulin Contributes to Pancreatic Î² Cell Failure and Late-onset Diabetes. Journal of Biological Chemistry, 2014, 289, 16290-16302.	3.4	55
32	Sox17 Regulates Insulin Secretion in the Normal and Pathologic Mouse Î² Cell. PLoS ONE, 2014, 9, e104675.	2.5	23
33	Endoplasmic Reticulum Oxidoreductin-1Î± (Ero1Î±) Improves Folding and Secretion of Mutant Proinsulin and Limits Mutant Proinsulin-induced Endoplasmic Reticulum Stress. Journal of Biological Chemistry, 2013, 288, 31010-31018.	3.4	36
34	Proinsulin Intermolecular Interactions during Secretory Trafficking in Pancreatic Î² Cells. Journal of Biological Chemistry, 2013, 288, 1896-1906.	3.4	77
35	Dominant protein interactions that influence the pathogenesis of conformational diseases. Journal of Clinical Investigation, 2013, 123, 3124-3134.	8.2	21
36	Impaired Cleavage of Preproinsulin Signal Peptide Linked to Autosomal-Dominant Diabetes. Diabetes, 2012, 61, 828-837.	0.6	61

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37	Proinsulin misfolding and diabetes: mutant INS gene-induced diabetes of youth. Trends in Endocrinology and Metabolism, 2010, 21, 652-659.	7.1	149
38	Mutant INS-Gene Induced Diabetes of Youth: Proinsulin Cysteine Residues Impose Dominant-Negative Inhibition on Wild-Type Proinsulin Transport. PLoS ONE, 2010, 5, e13333.	2.5	100