

Steinunn Baekkeskov

List of Publications by Year in descending order

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26
papers

4,299
citations

331670
21
h-index

580821
25
g-index

27
all docs

27
docs citations

27
times ranked

3687
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of the 64K autoantigen in insulin-dependent diabetes as the GABA-synthesizing enzyme glutamic acid decarboxylase. <i>Nature</i> , 1990, 347, 151-156.	27.8	1,675
2	Local GABA Circuit Control of Experience-Dependent Plasticity in Developing Visual Cortex. <i>Science</i> , 1998, 282, 1504-1508.	12.6	793
3	Autoantibodies in newly diagnosed diabetic children immunoprecipitate human pancreatic islet cell proteins. <i>Nature</i> , 1982, 298, 167-169.	27.8	551
4	Recombinant prion protein induces rapid polarization and development of synapses in embryonic rat hippocampal neurons in vitro. <i>Journal of Neurochemistry</i> , 2005, 95, 1373-1386.	3.9	155
5	Primary Human and Rat β -Cells Release the Intracellular Autoantigens GAD65, IA-2, and Proinsulin in Exosomes Together With Cytokine-Induced Enhancers of Immunity. <i>Diabetes</i> , 2017, 66, 460-473.	0.6	152
6	High-resolution autoreactive epitope mapping and structural modeling of the 65 kDa form of human glutamic acid decarboxylase. <i>Journal of Molecular Biology</i> , 1999, 287, 983-999.	4.2	100
7	Palmitoylation cycles and regulation of protein function (Review). <i>Molecular Membrane Biology</i> , 2009, 26, 42-54.	2.0	97
8	Two distinct mechanisms target GAD67 to vesicular pathways and presynaptic clusters. <i>Journal of Cell Biology</i> , 2010, 190, 911-925.	5.2	77
9	Suppressive Effect of Glutamic Acid Decarboxylase 65-Specific Autoimmune B Lymphocytes on Processing of T Cell Determinants Located Within the Antibody Epitope. <i>Journal of Immunology</i> , 2002, 169, 665-672.	0.8	69
10	A combination of three distinct trafficking signals mediates axonal targeting and presynaptic clustering of GAD65. <i>Journal of Cell Biology</i> , 2002, 158, 1229-1238.	5.2	66
11	Palmitoylation controls trafficking of GAD65 from Golgi membranes to axon-specific endosomes and a Rab5a-dependent pathway to presynaptic clusters. <i>Journal of Cell Science</i> , 2004, 117, 2001-2013.	2.0	66
12	Increased expression of GAD65 and GABA in pancreatic β -cells impairs first-phase insulin secretion. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 279, E684-E694.	3.5	62
13	Phosphorylation of Serine Residues 3, 6, 10, and 13 Distinguishes Membrane Anchored from Soluble Glutamic Acid Decarboxylase 65 and Is Restricted to Glutamic Acid Decarboxylase 65 β . <i>Journal of Biological Chemistry</i> , 1997, 272, 1548-1557.	3.4	61
14	The Hydrophilic Isoform of Glutamate Decarboxylase, GAD67, Is Targeted to Membranes and Nerve Terminals Independent of Dimerization with the Hydrophobic Membrane-anchored Isoform, GAD65. <i>Journal of Biological Chemistry</i> , 1999, 274, 37200-37209.	3.4	61
15	Mechanism and effects of pulsatile GABA secretion from cytosolic pools in the human beta cell. <i>Nature Metabolism</i> , 2019, 1, 1110-1126.	11.9	59
16	A palmitoylation cycle dynamically regulates partitioning of the GABA-synthesizing enzyme GAD65 between ER-Golgi and post-Golgi membranes. <i>Journal of Cell Science</i> , 2008, 121, 437-449.	2.0	51
17	Advances in pancreatic islet monolayer culture on glass surfaces enable super-resolution microscopy and insights into beta cell ciliogenesis and proliferation. <i>Scientific Reports</i> , 2017, 7, 45961.	3.3	39
18	Endogenous expression levels of autoantigens influence success or failure of DNA immunizations to prevent type 1 diabetes: addition of IL-4 increases safety. <i>European Journal of Immunology</i> , 2002, 32, 113-121.	2.9	37

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19	Does GAD Have a Unique Role in Triggering IDDM?. Journal of Autoimmunity, 2000, 15, 279-286.	6.5	34
20	Aberrant Accumulation of the Diabetes Autoantigen GAD65 in Golgi Membranes in Conditions of ER Stress and Autoimmunity. Diabetes, 2016, 65, 2686-2699.	0.6	28
21	Compartmentalization of GABA Synthesis by GAD67 Differs between Pancreatic Beta Cells and Neurons. PLoS ONE, 2015, 10, e0117130.	2.5	27
22	Bioengineering strategies for inducing tolerance in autoimmune diabetes. Advanced Drug Delivery Reviews, 2017, 114, 256-265.	13.7	19
23	Homing of GAD65 specific autoimmunity and development of insulitis requires expression of both DQ8 and human GAD65 in transgenic mice. Journal of Autoimmunity, 2009, 33, 50-57.	6.5	13
24	The Glutamate Decarboxylase and 38KD Autoantigens in Type 1 Diabetes: Aspects of Structure and Epitope Recognition. Autoimmunity, 1993, 15, 24-26.	2.6	5
25	Endogenous expression levels of autoantigens influence success or failure of DNA immunizations to prevent type 1 diabetes: addition of IL-4 increases safety. European Journal of Immunology, 2002, 32, 113.	2.9	1
26	Glucose stimulates the biosynthesis of a human pancreatic islet cell protein detected by an antiserum against the human erythrocyte glucose transporter. FEBS Letters, 1983, 157, 331-335.	2.8	0