Gunilla T Westermark

List of Publications by Year
in descending order

96 papers	7,207 citations	76326 40 h-index	56724 83 g-index
100 all docs	100 docs citations	100 times ranked	6630 citing authors

#	Article	IF	Citations
1	Phosphorylated Î±-synuclein in skin Schwann cells: a new biomarker for multiple system atrophy. Brain, 2023, 146, 1065-1074.	7.6	18
2	Cardiac microcalcifications in transthyretin (ATTR) amyloidosis. International Journal of Cardiology, 2022, 352, 84-91.	1.7	22
3	Formation of amyloid in encapsulated human pancreatic and human stem cell-generated beta cell implants. American Journal of Transplantation, 2021, 21, 2090-2099.	4.7	2
4	Proteostasis of Islet Amyloid Polypeptide: A Molecular Perspective of Risk Factors and Protective Strategies for Type II Diabetes. Chemical Reviews, 2021, 121, 1845-1893.	47.7	129
5	Enhanced detection of ATTR amyloid using a nanofibril-based assay. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2021, 28, 158-167.	3.0	4
6	The Amyloid Forming Peptides Islet Amyloid Polypeptide and Amyloid Î² Interact at the Molecular Level. International Journal of Molecular Sciences, 2021, 22, 11153.	4.1	13
7	AA amyloid in human food chain is a possible biohazard. Scientific Reports, 2021, 11, 21069.	3.3	10
8	3D analysis of human islet amyloid polypeptide crystalline structures in Drosophila melanogaster. PLoS ONE, 2019, 14, e0223456.	2.5	2
9	Lipid membranes accelerate amyloid formation in the mouse model of AA amyloidosis. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2019, 26, 34-44.	3.0	14
10	Cryo-EM fibril structures from systemic AA amyloidosis reveal the species complementarity of pathological amyloids. Nature Communications, 2019, 10, 1104.	12.8	113
11	BRICHOS domain of Bri2 inhibits islet amyloid polypeptide (IAPP) fibril formation and toxicity in human beta cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2752-E2761.	7.1	44
12	Transplantation of macroencapsulated human islets within the bioartificial pancreas Î²Air to patients with type 1 diabetes mellitus. American Journal of Transplantation, 2018, 18, 1735-1744.	4.7	140
13	Noncerebral Amyloidoses: Aspects on Seeding, Cross-Seeding, and Transmission. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a024323.	6.2	25
14	Protofibrillar and Fibrillar Amyloid-Î² Binding Proteins in Cerebrospinal Fluid. Journal of Alzheimer's Disease, 2018, 66, 1053-1064.	2.6	7
15	Development of Mouse Monoclonal Antibodies Against Human Amyloid Fibril Proteins for Diagnostic and Research Purposes. Methods in Molecular Biology, 2018, 1779, 401-414.	0.9	8
16	The human serum protein C4b-binding protein inhibits pancreatic IAPP-induced inflammasome activation. Diabetologia, 2017, 60, 1522-1533.	6.3	15
17	Seed-dependent templating of murine AA amyloidosis. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2017, 24, 140-141.	3.0	2
18	Human Astrocytes Transfer Aggregated Alpha-Synuclein via Tunneling Nanotubes. Journal of Neuroscience, 2017, 37, 11835-11853.	3.6	196

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19	Addition of exogenous sodium palmitate increases the IAPP/insulin mRNA ratio via GPR40 in human EndoC-Î²H1 cells. Upsala Journal of Medical Sciences, 2017, 122, 149-159.	0.9	11
20	Islet amyloid in recent-onset type 1 diabetesâ€"the DiViD study. Upsala Journal of Medical Sciences, 2017, 122, 201-203.	0.9	31
21	Islet amyloid deposits preferentially in the highly functional and most blood-perfused islets. Endocrine Connections, 2017, 6, 458-468.	1.9	4
22	Systemic AA amyloidosis in the red fox (Vulpes vulpes). Protein Science, 2017, 26, 2312-2318.	7.6	3
23	Atomic structures of fibrillar segments of hIAPP suggest tightly mated Î²-sheets are important for cytotoxicity. ELife, 2017, 6, .	6.0	95
24	Electron tomography reveals the fibril structure and lipid interactions in amyloid deposits. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5604-5609.	7.1	56
25	C4b-binding Protein Protects Î²-Cells from Islet Amyloid Polypeptide-induced Cytotoxicity. Journal of Biological Chemistry, 2016, 291, 21644-21655.	3.4	12
26	Establishing the fluorescent amyloid ligand h-FTAA for studying human tissues with systemic and localized amyloid. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2016, 23, 98-108.	3.0	28
27	¹¹C and ¹⁸F Radiolabeling of Tetra- and Pentathiophenes as PET-Ligands for Amyloid Protein Aggregates. ACS Medicinal Chemistry Letters, 2016, 7, 368-373.	2.8	10
28	Eighty years of research on islet amyloidosis in Uppsala. Upsala Journal of Medical Sciences, 2015, 120, 1-7.	0.9	0
29	InÂVivo Seeding and Cross-Seeding of Localized Amyloidosis. American Journal of Pathology, 2015, 185, 834-846.	3.8	235
30	Heparan Sulfate Proteoglycans Are Important for Islet Amyloid Formation and Islet Amyloid Polypeptide-induced Apoptosis. Journal of Biological Chemistry, 2015, 290, 15121-15132.	3.4	39
31	AA Amyloidosis: Pathogenesis and Targeted Therapy. Annual Review of Pathology: Mechanisms of Disease, 2015, 10, 321-344.	22.4	201
32	High Plasma Levels of Islet Amyloid Polypeptide in Young with New-Onset of Type 1 Diabetes Mellitus. PLoS ONE, 2014, 9, e93053.	2.5	23
33	The chaperone domain BRICHOS prevents amyloid Î²-peptide CNS toxicity in Drosophila melanogaster. DMM Disease Models and Mechanisms, 2014, 7, 659-65.	2.4	44
34	Transthyretin-derived amyloidosis: Probably a common cause of lumbar spinal stenosis. Upsala Journal of Medical Sciences, 2014, 119, 223-228.	0.9	124
35	Birth and Death of Human Î²-Cells in Pancreases from Cadaver Donors, Autopsies, Surgical Specimens, and Islets Transplanted into Mice. Cell Transplantation, 2014, 23, 139-151.	2.5	26
36	Efficient Amyloid A Clearance in the Absence of Immunoglobulins and Complement Factors. American Journal of Pathology, 2013, 182, 1297-1307.	3.8	10

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37	Depletion of Spleen Macrophages Delays AA Amyloid Development: A Study Performed in the Rapid Mouse Model of AA Amyloidosis. PLoS ONE, 2013, 8, e79104.	2.5	28
38	Islet Amyloid Polypeptide and Diabetes. Current Protein and Peptide Science, 2013, 14, 330-337.	1.4	26
39	Islet Amyloid Polypeptide Triggers Limited Complement Activation and Binds Complement Inhibitor C4b-binding Protein, Which Enhances Fibril Formation. Journal of Biological Chemistry, 2012, 287, 10824-10833.	3.4	21
40	Extensive amyloid formation in transplanted microencapsulated mouse and human islets. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2012, 19, 87-93.	3.0	17
41	Further Evidence for Amyloid Deposition in Clinical Pancreatic Islet Grafts. Transplantation, 2012, 93, 219-223.	1.0	42
42	AA-Amyloid is cleared by endogenous immunological mechanisms. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2012, 19, 138-145.	3.0	27
43	Ichthyin/NIPAL4 localizes to keratins and desmosomes in epidermis and Ichthyin mutations affect epidermal lipid metabolism. Archives of Dermatological Research, 2012, 304, 377-386.	1.9	17
44	PTAA and B10: new approaches to amyloid detection in tissueâ€"evaluation of amyloid detection in tissue with a conjugated polyelectrolyte and a fibril-specific antibody fragment. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2011, 18, 47-52.	3.0	9
45	Observations in APP Bitransgenic Mice Suggest that Diffuse and Compact Plaques Form via Independent Processes in Alzheimer's Disease. American Journal of Pathology, 2011, 178, 2286-2298.	3.8	38
46	Î²-Cell Loss and Î²-Cell Apoptosis in Human Type 2 Diabetes Are Related to Islet Amyloid Deposition. American Journal of Pathology, 2011, 178, 2632-2640.	3.8	271
47	Localized amyloids important in diseases outside the brain â€“ lessons from the islets of Langerhans and the thoracic aorta. FEBS Journal, 2011, 278, 3918-3929.	4.7	24
48	Islet Amyloid Polypeptide, Islet Amyloid, and Diabetes Mellitus. Physiological Reviews, 2011, 91, 795-826.	28.8	851
49	Drosophila Melanogaster as a Model System for Studies of Islet Amyloid Polypeptide Aggregation. PLoS ONE, 2011, 6, e20221.	2.5	20
50	Prion-like aggregates: infectious agents in human disease. Trends in Molecular Medicine, 2010, 16, 501-507.	6.7	81
51	Fibrils from Designed Non-Amyloid-Related Synthetic Peptides Induce AA-Amyloidosis during Inflammation in an Animal Model. PLoS ONE, 2009, 4, e6041.	2.5	38
52	Serum amyloid A and protein AA: Molecular mechanisms of a transmissible amyloidosis. FEBS Letters, 2009, 583, 2685-2690.	2.8	79
53	Differential lipid profile and hormonal response in type 2 diabetes by exogenous insulin aspart versus the insulin secretagogue repaglinide, at the same glycemic control. Acta Diabetologica, 2009, 46, 35-42.	2.5	4
54	Stability and fibril formation properties of human and fish transthyretin, and of the Escherichiaâ€ƒcoli transthyretinâ€related protein. FEBS Journal, 2009, 276, 1999-2011.	4.7	13

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55	Transthyretin and Amyloid in the Islets of Langerhans in Type-2 Diabetes. Experimental Diabetes Research, 2008, 2008, 1-7.	3.8	42
56	Real-Time Monitoring of Apoptosis by Caspase-3-Like Protease Induced FRET Reduction Triggered by Amyloid Aggregation. Experimental Diabetes Research, 2008, 2008, 1-12.	3.8	16
57	Widespread Amyloid Deposition in Transplanted Human Pancreatic Islets. New England Journal of Medicine, 2008, 359, 977-979.	27.0	166
58	Rapid induction of experimental AA amyloidosis in mink by intravenous injection of amyloid enhancing factor. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2008, 15, 20-28.	3.0	20
59	AA-Amyloidosis Can Be Transferred by Peripheral Blood Monocytes. PLoS ONE, 2008, 3, e3308.	2.5	44
60	Amyloidogenic potential of foie gras. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10998-11001.	7.1	105
61	Unwinding fibril formation of medin, the peptide of the most common form of human amyloid. Biochemical and Biophysical Research Communications, 2007, 361, 822-828.	2.1	38
62	Imaging Distinct Conformational States of Amyloid-Î² Fibrils in Alzheimerâ€™s Disease Using Novel Luminescent Probes. ACS Chemical Biology, 2007, 2, 553-560.	3.4	177
63	Conjugated Polyelectrolytesâ€"Conformationâ€Sensitive Optical Probes for Staining and Characterization of Amyloid Deposits. ChemBioChem, 2006, 7, 1096-1104.	2.6	123
64	Purification of Amyloid Protein AA Subspecies From Amyloid-Rich Human Tissues. , 2005, 299, 243-254.		7
65	Inhibition of hIAPP Amyloid-Fibril Formation and Apoptotic Cell Death by a Designed hIAPP Amyloid-Core-Containing Hexapeptide. Chemistry and Biology, 2005, 12, 797-809.	6.0	106
66	Is aggregated IAPP a cause of beta-cell failure in transplanted human pancreatic islets?. Current Diabetes Reports, 2005, 5, 184-188.	4.2	19
67	Protein fibrils in nature can enhance amyloid protein A amyloidosis in mice: Cross-seeding as a disease mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6098-6102.	7.1	266
68	Aberrant Processing of Human Proislet Amyloid Polypeptide Results in Increased Amyloid Formation. Diabetes, 2005, 54, 2117-2125.	0.6	109
69	Islet Amyloid: A Critical Entity in the Pathogenesis of Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 3629-3643.	3.6	495
70	Prevention of Domain Swapping Inhibits Dimerization and Amyloid Fibril Formation of Cystatin C. Journal of Biological Chemistry, 2004, 279, 24236-24245.	3.4	102
71	Calcifying epithelial odontogenic (Pindborg) tumor-associated amyloid consists of a novel human protein. Translational Research, 2003, 142, 348-355.	2.3	90
72	Beneficial Effects of Insulin Versus Sulphonylurea on Insulin Secretion and Metabolic Control in Recently Diagnosed Type 2 Diabetic Patients. Diabetes Care, 2003, 26, 2231-2237.	8.6	149

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73	Formation of amyloid in human pancreatic islets transplanted to the liver and spleen of nude mice. Upsala Journal of Medical Sciences, 2003, 108, 193-204.	0.9	44
74	Transmissibility of systemic amyloidosis by a prion-like mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6979-6984.	7.1	247
75	Effects of free fatty acid on polymerization of islet amyloid polypeptide (IAPP) in vitro and on amyloid fibril formation in cultivated isolated islets of transgenic mice overexpressing human IAPP. Molecular Medicine, 2002, 8, 863-8.	4.4	10
76	Codeposition of Apolipoprotein A-IV and Transthyretin in Senile Systemic (ATTR) Amyloidosis. Biochemical and Biophysical Research Communications, 2001, 285, 903-908.	2.1	51
77	Pro Islet Amyloid Polypeptide (ProIAPP) Immunoreactivity in the Islets of Langerhans. Upsala Journal of Medical Sciences, 2000, 105, 97-106.	0.9	35
78	Islet Amyloid Development in a Mouse Strain Lacking Endogenous Islet Amyloid Polypeptide (IAPP) but Expressing Human IAPP. Molecular Medicine, 2000, 6, 998-1007.	4.4	62
79	Developing chicken oligodendrocytes express the type IV oligodendrocyte marker T4-O in situ, but not in vitro. Neuroscience Letters, 2000, 284, 21-24.	2.1	5
80	Endocrine amyloid â€" a subject of increasing interest for the next century. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2000, 7, 19-22.	3.0	9
81	Molecular heterogeneity of oligodendrocytes in chicken white matter. , 1999, 27, 15-21.		15
82	[1] Staining methods for identification of amyloid in tissue. Methods in Enzymology, 1999, 309, 3-25.	1.0	243
83	Differences in amyloid deposition in islets of transgenic mice expressing human islet amyloid polypeptide versus human islets implanted into nude mice. Metabolism: Clinical and Experimental, 1999, 48, 448-454.	3.4	33
84	Dissociated Insulin and Islet Amyloid Polypeptide Secretion from Isolated Rat Pancreatic Islets Cocultured with Human Pancreatic Adenocarcinoma Cells. Pancreas, 1999, 18, 403-409.	1.1	26
85	Increased Insulin Secretion and Glucose Tolerance in Mice Lacking Islet Amyloid Polypeptide (Amylin). Biochemical and Biophysical Research Communications, 1998, 250, 271-277.	2.1	149
86	Quantitative immunohistochemical analysis of islet amyloid polypeptide (IAPP) in normal, impaired glucose tolerant, and diabetic cats. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1998, 5, 255-261.	3.0	25
87	Effect of islet amyloid polypeptide on somatostatin inhibition of insulin secretion from isolated rat pancreatic islets. Regulatory Peptides, 1997, 72, 61-67.	1.9	11
88	Variable expression of tumor necrosis factor Î± in human malignant melanoma localized by in situ hybridization for mRNA. Cancer Immunology, Immunotherapy, 1997, 44, 335-340.	4.2	10
89	Effects of beta cell granule components on human islet amyloid polypeptide fibril formation. FEBS Letters, 1996, 379, 203-206.	2.8	179
90	A Protein AA-Variant Derived from a Novel Serum AA Protein, SAA1 Î´,in an Individual from Papua New Guinea. Biochemical and Biophysical Research Communications, 1996, 223, 320-323.	2.1	15

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91	Islet Amyloid Polypeptide in Patients with Pancreatic Cancer and Diabetes. New England Journal of Medicine, 1994, 330, 313-318.	27.0	227
92	Human islet amyloid polypeptide transgenic mice as a model of non-insulin-dependent diabetes mellitus (NIDDM). FEBS Letters, 1993, 323, 40-44.	2.8	82
93	New molecular perspectives in islet hormone biosynthesis. Biochemical Society Transactions, 1993, 21, 139-142.	3.4	7
94	The N-terminal segment of protein AA determines its fibrillogenic property. Biochemical and Biophysical Research Communications, 1992, 182, 27-33.	2.1	123
95	Islet amyloid polypeptide (IAPP) and pro-IAPP immunoreactivity in human islets of Langerhans. Diabetes Research and Clinical Practice, 1989, 7, 219-226.	2.8	76
96	Islet amyloid polypeptide (IAPP): cDNA cloning and identification of an amyloidogenic region associated with the species-specific occurrence of age-related diabetes mellitus. Experimental Cell Research, 1989, 183, 484-493.	2.6	121