

Peter Achenbach

List of Publications by Year in descending order

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79
papers

4,164
citations

109137

35
h-index

118652

62
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86
all docs

86
docs citations

86
times ranked

3547
citing authors

#	ARTICLE	IF	CITATIONS
1	A Type I Interferon Transcriptional Signature Precedes Autoimmunity in Children Genetically at Risk for Type 1 Diabetes. <i>Diabetes</i> , 2014, 63, 2538-2550.	0.3	261
2	Stratification of Type 1 Diabetes Risk on the Basis of Islet Autoantibody Characteristics. <i>Diabetes</i> , 2004, 53, 384-392.	0.3	243
3	Natural History of Type 1 Diabetes. <i>Diabetes</i> , 2005, 54, S25-S31.	0.3	223
4	Age-related islet autoantibody incidence in offspring of patients with type 1 diabetes. <i>Diabetologia</i> , 2012, 55, 1937-1943.	2.9	209
5	Effects of High-Dose Oral Insulin on Immune Responses in Children at High Risk for Type 1 Diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2015, 313, 1541.	3.8	174
6	Mature high-affinity immune responses to (pro)insulin anticipate the autoimmune cascade that leads to type 1 diabetes. <i>Journal of Clinical Investigation</i> , 2004, 114, 589-597.	3.9	173
7	Autoantibodies to zinc transporter 8 and SLC30A8 genotype stratify type 1 diabetes risk. <i>Diabetologia</i> , 2009, 52, 1881-1888.	2.9	166
8	Compromised Gut Microbiota Networks in Children With Anti-Islet Cell Autoimmunity. <i>Diabetes</i> , 2014, 63, 2006-2014.	0.3	154
9	Yield of a Public Health Screening of Children for Islet Autoantibodies in Bavaria, Germany. <i>JAMA - Journal of the American Medical Association</i> , 2020, 323, 339.	3.8	139
10	Mature high-affinity immune responses to (pro)insulin anticipate the autoimmune cascade that leads to type 1 diabetes. <i>Journal of Clinical Investigation</i> , 2004, 114, 589-597.	3.9	120
11	Towards a functional hypothesis relating anti-islet cell autoimmunity to the dietary impact on microbial communities and butyrate production. <i>Microbiome</i> , 2016, 4, 17.	4.9	100
12	Type 1 diabetes vaccine candidates promote human Foxp3+Treg induction in humanized mice. <i>Nature Communications</i> , 2016, 7, 10991.	5.8	99
13	Age- and Islet Autoimmunity-Associated Differences in Amino Acid and Lipid Metabolites in Children at Risk for Type 1 Diabetes. <i>Diabetes</i> , 2011, 60, 2740-2747.	0.3	96
14	Capillary blood islet autoantibody screening for identifying pre-type 1 diabetes in the general population: design and initial results of the Fr1da study. <i>BMJ Open</i> , 2016, 6, e011144.	0.8	89
15	A Public Health Antibody Screening Indicates a 6-Fold Higher SARS-CoV-2 Exposure Rate than Reported Cases in Children. <i>Med</i> , 2021, 2, 149-163.e4.	2.2	85
16	GAD Autoantibody Affinity and Epitope Specificity Identify Distinct Immunization Profiles in Children at Risk for Type 1 Diabetes. <i>Diabetes</i> , 2007, 56, 1527-1533.	0.3	81
17	Modulating the natural history of type 1 diabetes in children at high genetic risk by mucosal insulin immunization. <i>Current Diabetes Reports</i> , 2008, 8, 87-93.	1.7	71
18	Islet autoantibody phenotypes and incidence in children at increased risk for type 1 diabetes. <i>Diabetologia</i> , 2015, 58, 2317-2323.	2.9	71

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19	Accelerated progression from islet autoimmunity to diabetes is causing the escalating incidence of type 1 diabetes in young children. <i>Journal of Autoimmunity</i> , 2011, 37, 3-7.	3.0	65
20	A strategy for combining minor genetic susceptibility genes to improve prediction of disease in type 1 diabetes. <i>Genes and Immunity</i> , 2012, 13, 549-555.	2.2	63
21	Islet Autoantibody Standardization Program 2018 Workshop: Interlaboratory Comparison of Glutamic Acid Decarboxylase Autoantibody Assay Performance. <i>Clinical Chemistry</i> , 2019, 65, 1141-1152.	1.5	62
22	Oral insulin therapy for primary prevention of type 1 diabetes in infants with high genetic risk: the GPPAD-POInT (global platform for the prevention of autoimmune diabetes primary oral insulin trial) study protocol. <i>BMJ Open</i> , 2019, 9, e028578.	0.8	62
23	Immunological biomarkers for the development and progression of type 1 diabetes. <i>Diabetologia</i> , 2018, 61, 2252-2258.	2.9	51
24	Combined testing of antibody titer and affinity improves insulin autoantibody measurement: Diabetes Antibody Standardization Program. <i>Clinical Immunology</i> , 2007, 122, 85-90.	1.4	50
25	A miRNA181a/NFAT5 axis links impaired T cell tolerance induction with autoimmune type 1 diabetes. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	49
26	Predicting type 1 diabetes. <i>Current Diabetes Reports</i> , 2005, 5, 98-103.	1.7	48
27	Autoantibodies to IA-2 ² improve diabetes risk assessment in high-risk relatives. <i>Diabetologia</i> , 2008, 51, 488-492.	2.9	47
28	In insulin-autoantibody-positive children from the general population, antibody affinity identifies those at high and low risk. <i>Diabetologia</i> , 2005, 48, 1830-1832.	2.9	44
29	Detection of Antibodies Directed to the N-Terminal Region of GAD Is Dependent on Assay Format and Contributes to Differences in the Specificity of GAD Autoantibody Assays for Type 1 Diabetes. <i>Diabetes</i> , 2015, 64, 3239-3246.	0.3	44
30	Type 1 diabetes risk assessment: improvement by follow-up measurements in young islet autoantibody-positive relatives. <i>Diabetologia</i> , 2006, 49, 2969-2976.	2.9	42
31	Autoantibodies to N-terminally truncated GAD improve clinical phenotyping of individuals with adult-onset diabetes: Action LADA 12. <i>Diabetologia</i> , 2018, 61, 1644-1649.	2.9	42
32	Genetic association of zinc transporter 8 (ZnT8) autoantibodies in type 1 diabetes cases. <i>Diabetologia</i> , 2012, 55, 1978-1984.	2.9	39
33	GAD Autoantibody Affinity in Adult Patients With Latent Autoimmune Diabetes, the Study Participants of a GAD65 Vaccination Trial. <i>Diabetes Care</i> , 2014, 37, 1675-1680.	4.3	39
34	A novel approach for the analysis of longitudinal profiles reveals delayed progression to type 1 diabetes in a subgroup of multiple-islet-autoantibody-positive children. <i>Diabetologia</i> , 2016, 59, 2172-2180.	2.9	38
35	A novel LIPS assay for insulin autoantibodies. <i>Acta Diabetologica</i> , 2018, 55, 263-270.	1.2	36
36	A hormone complex of FABP4 and nucleoside kinases regulates islet function. <i>Nature</i> , 2021, 600, 720-726.	13.7	36

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37	Birth and coming of age of islet autoantibodies. <i>Clinical and Experimental Immunology</i> , 2019, 198, 294-305.	1.1	35
38	Harmonization of immunoassays for biomarkers in diabetes mellitus. <i>Biotechnology Advances</i> , 2020, 39, 107359.	6.0	34
39	Characteristics of slow progression to diabetes in multiple islet autoantibody-positive individuals from five longitudinal cohorts: the SNAIL study. <i>Diabetologia</i> , 2018, 61, 1484-1490.	2.9	32
40	Oral insulin immunotherapy in children at risk for type 1 diabetes in a randomised controlled trial. <i>Diabetologia</i> , 2021, 64, 1079-1092.	2.9	31
41	Prospective evaluation of risk factors for the development of islet autoimmunity and type 1 diabetes during puberty - TEENDIAB: study design. <i>Pediatric Diabetes</i> , 2012, 13, 419-424.	1.2	30
42	Progression from single to multiple islet autoantibodies often occurs soon after seroconversion: implications for early screening. <i>Diabetologia</i> , 2015, 58, 411-413.	2.9	29
43	Antibodies to the Tyrosine Phosphatase-like Protein IA-2 are highly associated with IDDM, but not with Autoimmune Endocrine Diseases or Stiff Man Syndrome. <i>Autoimmunity</i> , 1997, 25, 203-211.	1.2	28
44	Time-Resolved Autoantibody Profiling Facilitates Stratification of Preclinical Type 1 Diabetes in Children. <i>Diabetes</i> , 2019, 68, 119-130.	0.3	28
45	Reactivity to N-Terminally Truncated GAD65(96-585) Identifies GAD Autoantibodies That Are More Closely Associated With Diabetes Progression in Relatives of Patients With Type 1 Diabetes. <i>Diabetes</i> , 2015, 64, 3247-3252.	0.3	27
46	3 Screen ELISA for High-Throughput Detection of Beta Cell Autoantibodies in Capillary Blood. <i>Diabetes Technology and Therapeutics</i> , 2016, 18, 687-693.	2.4	27
47	3 Screen islet cell autoantibody ELISA: A sensitive and specific ELISA for the combined measurement of autoantibodies to GAD65, to IA-2 and to ZnT8. <i>Clinica Chimica Acta</i> , 2016, 462, 60-64.	0.5	25
48	Peptide serum markers in islet autoantibody-positive children. <i>Diabetologia</i> , 2017, 60, 287-295.	2.9	24
49	HLA-typing, clinical, and immunological characterization of youth with type 2 diabetes mellitus phenotype from the German/Austrian DPV database. <i>Pediatric Diabetes</i> , 2013, 14, 562-574.	1.2	23
50	Intralymphatic Glutamic Acid Decarboxylase-Alum Administration Induced Th2-Like-Specific Immunomodulation in Responder Patients: A Pilot Clinical Trial in Type 1 Diabetes. <i>Journal of Diabetes Research</i> , 2018, 2018, 1-11.	1.0	23
51	GAD autoantibody affinity in schoolchildren from the general population. <i>Diabetologia</i> , 2014, 57, 1911-1918.	2.9	22
52	A classification and regression tree analysis identifies subgroups of childhood type 1 diabetes. <i>EBioMedicine</i> , 2022, 82, 104118.	2.7	21
53	Glutamic Acid Decarboxylase Injection Into Lymph Nodes: Beta Cell Function and Immune Responses in Recent Onset Type 1 Diabetes Patients. <i>Frontiers in Immunology</i> , 2020, 11, 564921.	2.2	19
54	Diabetes Antibody Standardization Program. <i>Diabetes Care</i> , 2011, 34, 2410-2412.	4.3	17

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55	IA-2 autoantibody affinity in children at risk for type 1 diabetes. <i>Clinical Immunology</i> , 2012, 145, 224-229.	1.4	16
56	Progression of type 1 diabetes from latency to symptomatic disease is predicted by distinct autoimmune trajectories. <i>Nature Communications</i> , 2022, 13, 1514.	5.8	16
57	Spontaneous Peripheral T-cell Responses to the IA-2 ¹² (Phogrin) Autoantigen in Young Nonobese Diabetic Mice. <i>Journal of Autoimmunity</i> , 2002, 19, 111-116.	3.0	15
58	Supplementation with <i>Bifidobacterium longum</i> subspecies <i>infantis</i> EVC001 for mitigation of type 1 diabetes autoimmunity: the GPPAD-SINT1A randomised controlled trial protocol. <i>BMJ Open</i> , 2021, 11, e052449.	0.8	15
59	Costs of Public Health Screening of Children for Presymptomatic Type 1 Diabetes in Bavaria, Germany. <i>Diabetes Care</i> , 2022, 45, 837-844.	4.3	14
60	Age, HLA, and Sex Define a Marked Risk of Organ-Specific Autoimmunity in First-Degree Relatives of Patients With Type 1 Diabetes. <i>Diabetes Care</i> , 2019, 42, 1684-1691.	4.3	12
61	A simplified method to assess affinity of insulin autoantibodies. <i>Clinical Immunology</i> , 2010, 137, 415-421.	1.4	10
62	Diabetes-related antibodies in euglycemic subjects. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2005, 19, 101-117.	2.2	9
63	Recruiting young pre-symptomatic children for a clinical trial in type 1 diabetes: Insights from the Fr1da insulin intervention study. <i>Contemporary Clinical Trials Communications</i> , 2018, 11, 170-173.	0.5	9
64	Intra-lymphatic administration of GAD-alum in type 1 diabetes: long-term follow-up and effect of a late booster dose (the DIAGNODE Extension trial). <i>Acta Diabetologica</i> , 2022, 59, 687-696.	1.2	9
65	Identification of insulin autoantibodies of IgA isotype that preferentially target non-human insulin. <i>Clinical Immunology</i> , 2007, 124, 77-82.	1.4	8
66	Immune response differs between intralymphatic or subcutaneous administration of GAD α alum in individuals with recent onset type 1 diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2022, 38, e3500.	1.7	8
67	Islet Autoantibody Type-Specific Titer Thresholds Improve Stratification of Risk of Progression to Type 1 Diabetes in Children. <i>Diabetes Care</i> , 2022, 45, 160-168.	4.3	8
68	Insulin autoantibodies with high affinity to the bovine milk protein alpha casein. <i>Clinical and Experimental Immunology</i> , 2011, 164, 42-49.	1.1	7
69	Translating Mucosal Antigen based Prevention of Autoimmune Diabetes to Human. <i>Novartis Foundation Symposium</i> , 2008, 292, 187-201.	1.2	5
70	Soluble interleukin-2 receptor alpha in preclinical type 1 diabetes. <i>Acta Diabetologica</i> , 2014, 51, 517-518.	1.2	4
71	Feasibility and organization of a population-based screening for pre-symptomatic type 1 diabetes in children – evaluation of the Fr1da study. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2019, 27, 553-560.	0.8	3
72	Modeling Disease Progression Trajectories from Longitudinal Observational Data. <i>AMIA ... Annual Symposium proceedings</i> , 2020, 2020, 668-676.	0.2	3

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73	Insulin allergy: a diagnostic and therapeutic strategy based on a retrospective cohort and a caseâ€“control study. Diabetologia, 2022, , .	2.9	3
74	Anti-CCL3 autoantibodies are not markers of type 1 diabetes when measured by a commercial ELISA method. Diabetologia, 2011, 54, 699-700.	2.9	2
75	Fasting hypoglycemia is associated with disease progression in presymptomatic early stage type 1 diabetes. Pediatric Diabetes, 2018, 19, 1238-1242.	1.2	1
76	Tracing the Pathogenesis of Type 1 Diabetes: A Report on the 44th Annual Meeting of the European Association for the Study of Diabetes (EASD). Review of Diabetic Studies, 2008, 5, 171-174.	0.5	1
77	Autoimmunity in Type 1 Diabetes mellitus. , 2005, 10, 57-71.		0
78	10 Autoimmunity in diabetes mellitus. , 2012, , 119-138.		0
79	Modulating the Autoimmune Response in Type 1 Diabetes: A Report on the 64th Scientific Sessions of the ADA, June 2004, Orlando, FL, USA. Review of Diabetic Studies, 2004, 1, 137-137.	0.5	0