

Steven M Willi

List of Publications by Year in descending order

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108
papers

7,996
citations

57758

44
h-index

51608

86
g-index

113
all docs

113
docs citations

113
times ranked

7136
citing authors

#	ARTICLE	IF	CITATIONS
1	Effectiveness of Sensor-Augmented Insulin-Pump Therapy in Type 1 Diabetes. <i>New England Journal of Medicine</i> , 2010, 363, 311-320.	27.0	792
2	A Clinical Trial to Maintain Glycemic Control in Youth with Type 2 Diabetes. <i>New England Journal of Medicine</i> , 2012, 366, 2247-2256.	27.0	790
3	Characteristics of Adolescents and Youth with Recent-Onset Type 2 Diabetes: The TODAY Cohort at Baseline. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 159-167.	3.6	378
4	Racial-Ethnic Disparities in Management and Outcomes Among Children With Type 1 Diabetes. <i>Pediatrics</i> , 2015, 135, 424-434.	2.1	282
5	Long-Term Treatment of Osteopetrosis with Recombinant Human Interferon Gamma. <i>New England Journal of Medicine</i> , 1995, 332, 1594-1599.	27.0	262
6	Effect of Continuous Glucose Monitoring on Glycemic Control in Adolescents and Young Adults With Type 1 Diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2020, 323, 2388.	7.4	238
7	Racial Differences in the Relationship of Glucose Concentrations and Hemoglobin A _{1c} Levels. <i>Annals of Internal Medicine</i> , 2017, 167, 95.	3.9	231
8	Alefacept provides sustained clinical and immunological effects in new-onset type 1 diabetes patients. <i>Journal of Clinical Investigation</i> , 2015, 125, 3285-3296.	8.2	228
9	Neurocognitive deficits in morbidly obese children with obstructive sleep apnea. <i>Journal of Pediatrics</i> , 1995, 127, 741-744.	1.8	221
10	Severe hypoglycemia and diabetic ketoacidosis among youth with type 1 diabetes in the T1D Exchange clinic registry. <i>Pediatric Diabetes</i> , 2013, 14, 447-454.	2.9	209
11	Type 1 Diabetes Is Associated With an Increased Risk of Fracture Across the Life Span: A Population-Based Cohort Study Using The Health Improvement Network (THIN). <i>Diabetes Care</i> , 2015, 38, 1913-1920.	8.6	201
12	Effects of mutations in the human uncoupling protein 3 gene on the respiratory quotient and fat oxidation in severe obesity and type 2 diabetes.. <i>Journal of Clinical Investigation</i> , 1998, 102, 1345-1351.	8.2	183
13	Optimal Sampling Duration for Continuous Glucose Monitoring to Determine Long-Term Glycemic Control. <i>Diabetes Technology and Therapeutics</i> , 2018, 20, 314-316.	4.4	180
14	Targeting of memory T cells with alefacept in new-onset type 1 diabetes (T1DAL study): 12 month results of a randomised, double-blind, placebo-controlled phase 2 trial. <i>Lancet Diabetes and Endocrinology</i> , 2013, 1, 284-294.	11.4	169
15	Obesity in Youth with Type 1 Diabetes in Germany, Austria, and the United States. <i>Journal of Pediatrics</i> , 2015, 167, 627-632.e4.	1.8	150
16	The Effects of a High-protein, Low-fat, Ketogenic Diet on Adolescents With Morbid Obesity: Body Composition, Blood Chemistries, and Sleep Abnormalities. <i>Pediatrics</i> , 1998, 101, 61-67.	2.1	140
17	Antithymocyte globulin treatment for patients with recent-onset type 1 diabetes: 12-month results of a randomised, placebo-controlled, phase 2 trial. <i>Lancet Diabetes and Endocrinology</i> , 2013, 1, 306-316.	11.4	120
18	Effectiveness of sensor-augmented pump therapy in children and adolescents with type 1 diabetes in the STAR 3 study. <i>Pediatric Diabetes</i> , 2012, 13, 6-11.	2.9	118

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19	Teplizumab treatment may improve C-peptide responses in participants with type 1 diabetes after the new-onset period: a randomised controlled trial. <i>Diabetologia</i> , 2013, 56, 391-400.	6.3	109
20	Benefits of continuous subcutaneous insulin infusion in children with type 1 diabetes. <i>Journal of Pediatrics</i> , 2003, 143, 796-801.	1.8	107
21	The effects of adjuvant chemotherapy on growth in children with medulloblastoma. <i>Cancer</i> , 1992, 70, 2013-2017.	4.1	106
22	Presentation of youth with type 2 diabetes in the Pediatric Diabetes Consortium. <i>Pediatric Diabetes</i> , 2016, 17, 266-273.	2.9	103
23	Sensor-Augmented Pump Therapy for A1C Reduction (STAR 3) Study. <i>Diabetes Care</i> , 2011, 34, 2403-2405.	8.6	102
24	Racial-Ethnic Inequity in Young Adults With Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e2960-e2969.	3.6	99
25	Clinical and biochemical characterization of short-chain acyl-coenzyme A dehydrogenase deficiency. <i>Journal of Pediatrics</i> , 1995, 126, 910-915.	1.8	97
26	Sleep in children with type 1 diabetes and their parents in the T1D Exchange. <i>Sleep Medicine</i> , 2017, 39, 108-115.	1.6	78
27	Depressive Symptoms in Youth With Type 1 or Type 2 Diabetes: Results of the Pediatric Diabetes Consortium Screening Assessment of Depression in Diabetes Study. <i>Diabetes Care</i> , 2015, 38, 2341-2343.	8.6	77
28	Troglitazone Antagonizes Metabolic Effects of Glucocorticoids in Humans: Effects on Glucose Tolerance, Insulin Sensitivity, Suppression of Free Fatty Acids, and Leptin. <i>Diabetes</i> , 2002, 51, 2895-2902.	0.6	75
29	A0001 in Friedreich ataxia: Biochemical characterization and effects in a clinical trial. <i>Movement Disorders</i> , 2012, 27, 1026-1033.	3.9	75
30	Immune Therapy and Î²-Cell Death in Type 1 Diabetes. <i>Diabetes</i> , 2013, 62, 1676-1680.	0.6	73
31	Complications and comorbidities of T2DM in adolescents: findings from the TODAY clinical trial. <i>Journal of Diabetes and Its Complications</i> , 2015, 29, 307-312.	2.3	73
32	Antithymocyte globulin therapy for patients with recent-onset type 1 diabetes: 2-year results of a randomised trial. <i>Diabetologia</i> , 2016, 59, 1153-1161.	6.3	72
33	Endocrine Effects of Inhaled Corticosteroids in Children. <i>JAMA Pediatrics</i> , 2016, 170, 163.	6.2	72
34	Genealogy, natural history, and phenotype of Alstr�m syndrome in a large Acadian kindred and three additional families. , 1997, 73, 150-161.		71
35	Treatment of Type 2 Diabetes in Childhood Using a Very-Low-Calorie Diet. <i>Diabetes Care</i> , 2004, 27, 348-353.	8.6	70
36	The effect of insulin on expression of genes and biochemical pathways in human skeletal muscle. <i>Endocrine</i> , 2007, 31, 5-17.	2.2	66

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37	Racial and Ethnic Disparities in Rates of Continuous Glucose Monitor Initiation and Continued Use in Children With Type 1 Diabetes. <i>Diabetes Care</i> , 2021, 44, 255-257.	8.6	65
38	Effective use of thiazolidinediones for the treatment of glucocorticoid-induced diabetes. <i>Diabetes Research and Clinical Practice</i> , 2002, 58, 87-96.	2.8	62
39	Insulin Sensitivity and Diabetic Kidney Disease in Children and Adolescents With Type 2 Diabetes: An Observational Analysis of Data From the TODAY Clinical Trial. <i>American Journal of Kidney Diseases</i> , 2018, 71, 65-74.	1.9	60
40	Longitudinal Changes in Continuous Glucose Monitoring Use Among Individuals With Type 1 Diabetes: International Comparison in the German and Austrian DPV and U.S. T1D Exchange Registries. <i>Diabetes Care</i> , 2020, 43, e1-e2.	8.6	59
41	Diabetes Screening With Hemoglobin A1c Versus Fasting Plasma Glucose in a Multiethnic Middle-School Cohort. <i>Diabetes Care</i> , 2013, 36, 429-435.	8.6	58
42	Pregnancy Outcomes in Youth With Type 2 Diabetes: The TODAY Study Experience. <i>Diabetes Care</i> , 2016, 39, 122-129.	8.6	58
43	A Randomized Clinical Trial Assessing Continuous Glucose Monitoring (CGM) Use With Standardized Education With or Without a Family Behavioral Intervention Compared With Fingerstick Blood Glucose Monitoring in Very Young Children With Type 1 Diabetes. <i>Diabetes Care</i> , 2021, 44, 464-472.	8.6	53
44	Imatinib therapy for patients with recent-onset type 1 diabetes: a multicentre, randomised, double-blind, placebo-controlled, phase 2 trial. <i>Lancet Diabetes and Endocrinology</i> , 2021, 9, 502-514.	11.4	53
45	Effect of Financial Incentives on Glucose Monitoring Adherence and Glycemic Control Among Adolescents and Young Adults With Type 1 Diabetes. <i>JAMA Pediatrics</i> , 2017, 171, 1176.	6.2	52
46	Racial disparities in treatment and outcomes of children with type 1 diabetes. <i>Pediatric Diabetes</i> , 2021, 22, 241-248.	2.9	51
47	Suppression and recovery of the neonatal hypothalamic-pituitary-adrenal axis after prolonged dexamethasone therapy. <i>Journal of Pediatrics</i> , 1997, 131, 722-726.	1.8	45
48	Childhood retinol-binding protein 4 (RBP4) levels predicting the 10-year risk of insulin resistance and metabolic syndrome: the BCAMS study. <i>Cardiovascular Diabetology</i> , 2018, 17, 69.	6.8	44
49	Safety and Tolerability of the Treatment of Youth-Onset Type 2 Diabetes. <i>Diabetes Care</i> , 2013, 36, 1765-1771.	8.6	42
50	Renal Handling of Carnitine in Secondary Carnitine Deficiency Disorders. <i>Pediatric Research</i> , 1993, 34, 89-96.	2.3	40
51	A cross-sectional view of the current state of treatment of youth with type 2 diabetes in the USA: enrollment data from the Pediatric Diabetes Consortium Type 2 Diabetes Registry. <i>Pediatric Diabetes</i> , 2017, 18, 222-229.	2.9	39
52	Vitamin D levels are associated with metabolic syndrome in adolescents and young adults: The BCAMS study. <i>Clinical Nutrition</i> , 2019, 38, 2161-2167.	5.0	36
53	Insulin Pump Use in Children with Type 1 Diabetes: Over a Decade of Disparities. <i>Journal of Pediatric Nursing</i> , 2020, 55, 110-115.	1.5	36
54	Growth in children after bone marrow transplantation for advanced neuroblastoma compared with growth after transplantation for leukemia or aplastic anemia. <i>Journal of Pediatrics</i> , 1992, 120, 726-732.	1.8	35

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55	A Deletion in the Long Arm of Chromosome 18 in a Child with Serum Carnosinase Deficiency ¹ . <i>Pediatric Research</i> , 1997, 41, 210-213.	2.3	35
56	Adiponectin, Insulin Sensitivity, β -Cell Function, and Racial/Ethnic Disparity in Treatment Failure Rates in TODAY. <i>Diabetes Care</i> , 2017, 40, 85-93.	8.6	34
57	Glycemic Outcomes of Use of CLC Versus PLGS in Type 1 Diabetes: A Randomized Controlled Trial. <i>Diabetes Care</i> , 2020, 43, 1822-1828.	8.6	34
58	Increased Serum 1,25-Dihydroxyvitamin D after Growth Hormone Administration is not Parathyroid Hormone-Mediated. <i>Calcified Tissue International</i> , 1997, 61, 101-103.	3.1	32
59	Circulating Osteonectin and Adipokine Profiles in Relation to Metabolically Healthy Obesity in Chinese Children: Findings From BCAMS. <i>Journal of the American Heart Association</i> , 2018, 7, e009169.	3.7	26
60	Diagnostic Dilemmas: Results of Screening Tests for Congenital Hypothyroidism. <i>Pediatric Clinics of North America</i> , 1991, 38, 555-566.	1.8	25
61	IL-6 receptor blockade does not slow β cell loss in new-onset type 1 diabetes. <i>JCI Insight</i> , 2021, 6, .	5.0	25
62	Low-Density Lipoprotein Cholesterol versus Particle Number in Middle-School Children. <i>Journal of Pediatrics</i> , 2013, 163, 355-362.e2.	1.8	23
63	Poor Glycemic Control Is Associated With Impaired Bone Accrual in the Year Following a Diagnosis of Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 4511-4520.	3.6	22
64	Demonstration of a lack of racial difference in secretion of growth hormone despite a racial difference in bone mineral density in premenopausal women--a Clinical Research Center study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1996, 81, 1023-1026.	3.6	22
65	Endogenous mutations in human uncoupling protein 3 alter its functional properties. <i>FEBS Letters</i> , 1999, 464, 189-193.	2.8	19
66	Evaluation of ADA HbA _{1c} criteria in the diagnosis of pre-diabetes and diabetes in a population of Chinese adolescents and young adults at high risk for diabetes: a cross-sectional study. <i>BMJ Open</i> , 2018, 8, e020665.	1.9	18
67	When Do Gut Flora in the Newborn Produce 3-Phenylpropionic Acid? Implications for Early Diagnosis of Medium-Chain Acyl-CoA Dehydrogenase Deficiency. <i>Clinical Chemistry</i> , 1992, 38, 278-281.	3.2	17
68	Vitamin D status in youth with type 1 and type 2 diabetes enrolled in the Pediatric Diabetes Consortium (PDC) is not worse than in youth without diabetes. <i>Pediatric Diabetes</i> , 2016, 17, 584-591.	2.9	17
69	A structured 1-year education program for children with newly diagnosed type 1 diabetes improves early glycemic control. <i>Pediatric Diabetes</i> , 2019, 20, 460-467.	2.9	17
70	Longitudinal trajectories of BMI z-score: an international comparison of 11,513 Australian, American and German/Austrian/Luxembourgian youth with type 1 diabetes. <i>Pediatric Obesity</i> , 2020, 15, e12582.	2.8	17
71	Youth Involvement in the Decision to Start CGM Predicts Subsequent CGM Use. <i>Diabetes Care</i> , 2020, 43, 2355-2361.	8.6	17
72	Cross-sectional analysis of glucose metabolism in Friedreich Ataxia. <i>Journal of the Neurological Sciences</i> , 2014, 342, 29-35.	0.6	16

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73	Time spent outside of target glucose range for young children with type 1 diabetes: a continuous glucose monitor study. <i>Diabetic Medicine</i> , 2020, 37, 1308-1315.	2.3	16
74	Effects of genetic severity on glucose homeostasis in Friedreich ataxia. <i>Muscle and Nerve</i> , 2016, 54, 887-894.	2.2	14
75	Interaction between early environment and genetic predisposition instigates the metabolically obese, normal weight phenotype in children: findings from the BCAMS study. <i>European Journal of Endocrinology</i> , 2020, 182, 393-403.	3.7	14
76	The sequelae of chemo-radiation therapy for head and neck cancer in children: Managing impaired growth, development, and other side effects. <i>Medical and Pediatric Oncology</i> , 1993, 21, 60-66.	1.0	13
77	Parental Characteristics Associated With Outcomes in Youth With Type 2 Diabetes: Results From the TODAY Clinical Trial. <i>Diabetes Care</i> , 2015, 38, 784-792.	8.6	13
78	Novel measures of inflammation and insulin resistance are related to obesity and fitness in a diverse sample of 11-14 year olds: The HEALTHY Study. <i>International Journal of Obesity</i> , 2016, 40, 1157-1163.	3.4	13
79	Predictors of response to insulin therapy in youth with poorly-controlled type 2 diabetes in the TODAY trial. <i>Pediatric Diabetes</i> , 2019, 20, 871-879.	2.9	13
80	Insulin resistance, beta-cell function, adipokine profiles and cardiometabolic risk factors among Chinese youth with isolated impaired fasting glucose versus impaired glucose tolerance: the BCAMS study. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e000724.	2.8	13
81	The association between acanthosis nigricans and dysglycemia in an ethnically diverse group of eighth grade students. <i>Obesity</i> , 2013, 21, E328-33.	3.0	12
82	A trend towards an early increase in ketoacidosis at presentation of paediatric type 1 diabetes during the coronavirus-2019 pandemic. <i>Diabetic Medicine</i> , 2021, 38, e14461.	2.3	11
83	Association between high levels of physical activity and improved glucose control on active days in youth with type 1 diabetes. <i>Pediatric Diabetes</i> , 2022, 23, 1057-1063.	2.9	11
84	Synthesis of 13,13,14,14-tetracyanopyreno-2,7-quinodimethane, an electron acceptor for organic metals. <i>Journal of the Chemical Society Chemical Communications</i> , 1980, , 947.	2.0	10
85	Eligibility for clinical trials is limited for youth with type 2 diabetes: Insights from the Pediatric Diabetes Consortium T2D Clinic Registry. <i>Pediatric Diabetes</i> , 2018, 19, 1379-1384.	2.9	9
86	Evaluation of the longitudinal change in health behavior profiles across treatment groups in the TODAY clinical trial. <i>Pediatric Diabetes</i> , 2020, 21, 224-232.	2.9	8
87	Early racial/ethnic disparities in continuous glucose monitor use in pediatric type 1 diabetes. <i>Diabetes Technology and Therapeutics</i> , 2021, 23, 763-767.	4.4	8
88	Effects of Metabolic Factors, Race-Ethnicity, and Sex on the Development of Nephropathy in Adolescents and Young Adults With Type 2 Diabetes: Results From the TODAY Study. <i>Diabetes Care</i> , 2022, 45, 1056-1064.	8.6	8
89	Long-term Continuous Glucose Monitor Use in Very Young Children With Type 1 Diabetes: One-Year Results From the SENCE Study. <i>Journal of Diabetes Science and Technology</i> , 2023, 17, 976-987.	2.2	8
90	Effect of Relative Weight Group Change on Nuclear Magnetic Resonance Spectroscopy Derived Lipoprotein Particle Size and Concentrations among Adolescents. <i>Journal of Pediatrics</i> , 2014, 164, 1091-1098.e3.	1.8	7

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91	Response to Comment on Weber et al. Type 1 Diabetes Is Associated With an Increased Risk of Fracture Across the Life Span: A Population-Based Cohort Study Using The Health Improvement Network (THIN). <i>Diabetes Care</i> 2015;38:1913-1920. <i>Diabetes Care</i> , 2015, 38, e205-e206.	8.6	7
92	Genetic variations in adiponectin levels and dietary patterns on metabolic health among children with normal weight versus obesity: the BCAMS study. <i>International Journal of Obesity</i> , 2022, 46, 325-332.	3.4	7
93	Adipose Tissue Mediates Associations of Birth Weight with Glucose Metabolism Disorders in Children. <i>Obesity</i> , 2019, 27, 746-755.	3.0	6
94	Human plasma-derived alpha-1 antitrypsin proteinase inhibitor in patients with new-onset type 1 diabetes mellitus: A randomized, placebo-controlled proof-of-concept study. <i>Pediatric Diabetes</i> , 2021, 22, 192-201.	2.9	6
95	Relationship between Arterial Stiffness and Subsequent Cardiac Structure and Function in Young Adults with Youth-Onset Type 2 Diabetes: Results from the TODAY Study. <i>Journal of the American Society of Echocardiography</i> , 2022, 35, 620-628.e4.	2.8	6
96	Growth in Children after Bone Marrow Transplantation for Acute Myelogenous Leukemia as Compared to Acute Lymphocytic Leukemia. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 1996, 9, 51-7.	0.9	5
97	Peak cortisol response to corticotropin-releasing hormone is associated with age and body size in children referred for clinical testing: a retrospective review. <i>International Journal of Pediatric Endocrinology (Springer)</i> , 2015, 2015, 22.	1.6	5
98	Implementation of a Clinical Practice Guideline for Identification of Microalbuminuria in the Pediatric Patient with Type 1 Diabetes. <i>Nursing Clinics of North America</i> , 2013, 48, 343-352.	1.5	4
99	Biologic and social factors predict incident kidney disease in type 1 diabetes: Results from the T1D exchange clinic network. <i>Journal of Diabetes and Its Complications</i> , 2019, 33, 107400.	2.3	4
100	Beta cell function and insulin sensitivity in obese youth with maturity onset diabetes of youth mutations vs type 2 diabetes in TODAY: Longitudinal observations and glycemic failure. <i>Pediatric Diabetes</i> , 2020, 21, 575-585.	2.9	4
101	Youth with type 2 diabetes have a high rate of treatment failure after discontinuation of insulin: A Pediatric Diabetes Consortium study. <i>Pediatric Diabetes</i> , 2022, 23, 439-446.	2.9	4
102	Long-Chain Acyl-CoA Profiles in Cultured Fibroblasts from Patients with Defects in Fatty Acid Oxidation. <i>Biochemical and Molecular Medicine</i> , 1995, 55, 15-21.	1.4	3
103	Type 2 diabetes mellitus in adolescents. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2000, 7, 71-76.	0.6	3
104	“I Think Parents Shouldn’t Be Too Pushy”: A Qualitative Exploration of Parent and Youth Perspectives of Youth Decision-Making Involvement in Starting Continuous Glucose Monitoring. <i>Science of Diabetes Self-Management and Care</i> , 2021, 47, 355-366.	1.6	3
105	Imatinib Therapy for Patients with Recent-Onset Type 1 Diabetes: A Randomised Blinded Phase 2 Trial. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
106	Puberty Status Modifies the Effects of Genetic Variants, Lifestyle Factors and Their Interactions on Adiponectin: The BCAMS Study. <i>Frontiers in Endocrinology</i> , 2021, 12, 737459.	3.5	2
107	How low can we go safely?: Factors affecting intensive diabetes management. <i>Journal of Pediatrics</i> , 2006, 149, 154-156.	1.8	1
108	Correlates of Continuous Glucose Monitoring Use Trajectories in Children and Adolescents with Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2021, 23, 590-594.	4.4	0