

R Paul Wadwa

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

4,035
citations

136950

32
h-index

123424

61
g-index

70
all docs

70
docs citations

70
times ranked

3093
citing authors

#	ARTICLE	IF	CITATIONS
1	Six-Month Randomized, Multicenter Trial of Closed-Loop Control in Type 1 Diabetes. <i>New England Journal of Medicine</i> , 2019, 381, 1707-1717.	27.0	643
2	A Randomized Trial of Closed-Loop Control in Children with Type 1 Diabetes. <i>New England Journal of Medicine</i> , 2020, 383, 836-845.	27.0	271
3	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
4	Prevalence of Cardiovascular Disease Risk Factors in U.S. Children and Adolescents With Diabetes: The SEARCH for Diabetes in Youth Study. <i>Diabetes Care</i> , 2006, 29, 1891-1896.	8.6	206
5	Predictive Low-Glucose Suspend Reduces Hypoglycemia in Adults, Adolescents, and Children With Type 1 Diabetes in an At-Home Randomized Crossover Study: Results of the PROLOG Trial. <i>Diabetes Care</i> , 2018, 41, 2155-2161.	8.6	184
6	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
7	Multicenter Trial of a Tubeless, On-Body Automated Insulin Delivery System With Customizable Glycemic Targets in Pediatric and Adult Participants With Type 1 Diabetes. <i>Diabetes Care</i> , 2021, 44, 1630-1640.	8.6	133
8	Closed-Loop Control During Intense Prolonged Outdoor Exercise in Adolescents With Type 1 Diabetes: The Artificial Pancreas Ski Study. <i>Diabetes Care</i> , 2017, 40, 1644-1650.	8.6	130
9	Performance of a Factory-Calibrated Real-Time Continuous Glucose Monitoring System Utilizing an Automated Sensor Applicator. <i>Diabetes Technology and Therapeutics</i> , 2018, 20, 428-433.	4.4	123
10	Real world hybrid closed-loop discontinuation: Predictors and perceptions of youth discontinuing the 670G system in the first 6 months. <i>Pediatric Diabetes</i> , 2020, 21, 319-327.	2.9	110
11	Six months of hybrid closed loop in the real world: An evaluation of children and young adults using the 670G system. <i>Pediatric Diabetes</i> , 2020, 21, 310-318.	2.9	106
12	Optimizing Hybrid Closed-Loop Therapy in Adolescents and Emerging Adults Using the MiniMed 670G System. <i>Diabetes Care</i> , 2018, 41, 789-796.	8.6	101
13	Use of Telemedicine to Improve Adherence to American Diabetes Association Standards in Pediatric Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2016, 18, 7-14.	4.4	99
14	Metformin Improves Insulin Sensitivity and Vascular Health in Youth With Type 1 Diabetes Mellitus. <i>Circulation</i> , 2018, 138, 2895-2907.	1.6	94
15	Awareness and Treatment of Dyslipidemia in Young Adults With Type 1 Diabetes. <i>Diabetes Care</i> , 2005, 28, 1051-1056.	8.6	86
16	Fully Closed-Loop Multiple Model Probabilistic Predictive Controller Artificial Pancreas Performance in Adolescents and Adults in a Supervised Hotel Setting. <i>Diabetes Technology and Therapeutics</i> , 2018, 20, 335-343.	4.4	64
17	Safety and Feasibility of the OmniPod Hybrid Closed-Loop System in Adult, Adolescent, and Pediatric Patients with Type 1 Diabetes Using a Personalized Model Predictive Control Algorithm. <i>Diabetes Technology and Therapeutics</i> , 2018, 20, 257-262.	4.4	62
18	Safety and Performance of the Omnipod Hybrid Closed-Loop System in Adults, Adolescents, and Children with Type 1 Diabetes Over 5 Days Under Free-Living Conditions. <i>Diabetes Technology and Therapeutics</i> , 2020, 22, 174-184.	4.4	61

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19	Arterial stiffness in adolescents and young adults with and without type 1 diabetes: the SEARCH CVD study. <i>Pediatric Diabetes</i> , 2015, 16, 367-374.	2.9	60
20	Closed-Loop Insulin Therapy Improves Glycemic Control in Adolescents and Young Adults: Outcomes from the International Diabetes Closed-Loop Trial. <i>Diabetes Technology and Therapeutics</i> , 2021, 23, 342-349.	4.4	58
21	Outpatient Closed-Loop Control with Unannounced Moderate Exercise in Adolescents Using Zone Model Predictive Control. <i>Diabetes Technology and Therapeutics</i> , 2017, 19, 331-339.	4.4	56
22	First Outpatient Evaluation of a Tubeless Automated Insulin Delivery System with Customizable Glucose Targets in Children and Adults with Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2021, 23, 410-424.	4.4	52
23	Soluble interleukin-2 receptor as a marker for progression of coronary artery calcification in type 1 diabetes. <i>International Journal of Biochemistry and Cell Biology</i> , 2006, 38, 996-1003.	2.8	49
24	Randomized Controlled Trial of Mobile Closed-Loop Control. <i>Diabetes Care</i> , 2020, 43, 607-615.	8.6	40
25	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
26	Performance of the Omnipod Personalized Model Predictive Control Algorithm with Meal Bolus Challenges in Adults with Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2018, 20, 585-595.	4.4	39
27	Obesity and type 2 diabetes are associated with elevated PCSK9 levels in young women. <i>Pediatric Diabetes</i> , 2017, 18, 755-760.	2.9	38
28	Safety and Performance of the Tandem t:slim X2 with Control-IQ Automated Insulin Delivery System in Toddlers and Preschoolers. <i>Diabetes Technology and Therapeutics</i> , 2021, 23, 384-391.	4.4	37
29	Predictors of Increased Carotid Intima-Media Thickness in Youth With Type 1 Diabetes: The SEARCH CVD Study. <i>Diabetes Care</i> , 2016, 39, 418-425.	8.6	36
30	Predictors of Time-in-Range (70â€“180â€“mg/dL) Achieved Using a Closed-Loop Control System. <i>Diabetes Technology and Therapeutics</i> , 2021, 23, 475-481.	4.4	36
31	Insulin sensitivity and arterial stiffness in youth with type 1 diabetes: the SEARCH CVD study. <i>Journal of Diabetes and Its Complications</i> , 2015, 29, 512-516.	2.3	35
32	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
33	Performance of Omnipod Personalized Model Predictive Control Algorithm with Moderate Intensity Exercise in Adults with Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2019, 21, 265-272.	4.4	33
34	Cambridge hybrid closed-loop algorithm in children and adolescents with type 1 diabetes: a multicentre 6-month randomised controlled trial. <i>The Lancet Digital Health</i> , 2022, 4, e245-e255.	12.3	33
35	Plasma triglycerides predict incident albuminuria and progression of coronary artery calcification in adults with type 1 diabetes: The Coronary Artery Calcification in Type 1 Diabetes Study. <i>Journal of Clinical Lipidology</i> , 2014, 8, 576-583.	1.5	31
36	Serum uric acid and insulin sensitivity in adolescents and adults with and without type 1 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2014, 28, 298-304.	2.3	30

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37	Cardiovascular disease risk in youth with diabetes mellitus. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2007, 7, 197-204.	5.7	28
38	Extended Use of the Control-IQ Closed-Loop Control System in Children With Type 1 Diabetes. <i>Diabetes Care</i> , 2021, 44, 473-478.	8.6	28
39	Assessing Health-Related Quality of Life in Children and Adolescents with Diabetes: Development and Psychometrics of the Type 1 Diabetes and Life (T1DAL) Measures. <i>Journal of Pediatric Psychology</i> , 2020, 45, 328-339.	2.1	27
40	Smoking and Arterial Stiffness in Youth with Type 1 Diabetes: The SEARCH Cardiovascular Disease Study. <i>Journal of Pediatrics</i> , 2014, 165, 110-116.	1.8	25
41	A Clinical Training Program for Hybrid Closed Loop Therapy in a Pediatric Diabetes Clinic. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 290-296.	2.2	25
42	Hyperfiltration and uricosuria in adolescents with type 1 diabetes. <i>Pediatric Nephrology</i> , 2016, 31, 787-793.	1.7	23
43	Factory-Calibrated Continuous Glucose Monitoring: How and Why It Works, and the Dangers of Reuse Beyond Approved Duration of Wear. <i>Diabetes Technology and Therapeutics</i> , 2019, 21, 222-229.	4.4	23
44	Improvements in Parental Sleep, Fear of Hypoglycemia, and Diabetes Distress With Use of an Advanced Hybrid Closed-Loop System. <i>Diabetes Care</i> , 2022, 45, 1292-1295.	8.6	22
45	PCSK9 Is Increased in Youth With Type 1 Diabetes. <i>Diabetes Care</i> , 2017, 40, e85-e87.	8.6	20
46	Predictive hyperglycemia and hypoglycemia minimization: In-home double-blind randomized controlled evaluation in children and young adolescents. <i>Pediatric Diabetes</i> , 2018, 19, 420-428.	2.9	19
47	Lower objectively measured physical activity is linked with perceived risk of hypoglycemia in type 1 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2018, 32, 975-981.	2.3	18
48	Type 1 diabetes is associated with an increase in cholesterol absorption markers but a decrease in cholesterol synthesis markers in a young adult population. <i>Journal of Clinical Lipidology</i> , 2019, 13, 940-946.	1.5	15
49	The effect of insurance status and parental education on glycemic control and cardiovascular disease risk profile in youth with Type 1 Diabetes. <i>Journal of Diabetes and Metabolic Disorders</i> , 2014, 13, 59.	1.9	14
50	The International Diabetes Closed-Loop Study: Testing Artificial Pancreas Component Interoperability. <i>Diabetes Technology and Therapeutics</i> , 2019, 21, 73-80.	4.4	13
51	Comparison of the incidence of diabetes in United States and Indian youth: An international harmonization of youth diabetes registries. <i>Pediatric Diabetes</i> , 2021, 22, 8-14.	2.9	13
52	Malglycemia is associated with poor outcomes in pediatric and adolescent hematopoietic stem cell transplant patients. <i>Blood Advances</i> , 2019, 3, 350-359.	5.2	12
53	No association of dietary fiber intake with inflammation or arterial stiffness in youth with type 1 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2014, 28, 305-310.	2.3	11
54	Design and psychometrics for new measures of health-related quality of life in adults with type 1 diabetes: Type 1 Diabetes and Life (T1DAL). <i>Diabetes Research and Clinical Practice</i> , 2021, 174, 108537.	2.8	11

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55	Effects of Sotagliflozin Combined with Intensive Insulin Therapy in Young Adults with Poorly Controlled Type 1 Diabetes: The JDRF Sotagliflozin Study. <i>Diabetes Technology and Therapeutics</i> , 2021, 23, 59-69.	4.4	11
56	Ketone production in children with type 1 diabetes, ages 4-14 years, with and without nocturnal insulin pump suspension. <i>Pediatric Diabetes</i> , 2017, 18, 422-427.	2.9	10
57	Serum uromodulin is associated with urinary albumin excretion in adolescents with type 1 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2019, 33, 648-650.	2.3	10
58	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
59	Predicting Success with a First-Generation Hybrid Closed-Loop Artificial Pancreas System Among Children, Adolescents, and Young Adults with Type 1 Diabetes: A Model Development and Validation Study. <i>Diabetes Technology and Therapeutics</i> , 2022, 24, 157-166.	4.4	7
60	Noninvasive measures of cardiovascular changes in diabetes mellitus. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2007, 14, 263-268.	2.3	6
61	Reduced brachial artery distensibility in patients with type 1 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2016, 30, 893-897.	2.3	6
62	The future of telehealth in type 1 diabetes. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2022, 29, 397-402.	2.3	6
63	Periodontal Microorganisms and Cardiovascular Risk Markers in Youth With Type 1 Diabetes and Without Diabetes. <i>Journal of Periodontology</i> , 2016, 87, 376-384.	3.4	5
64	Markers of cholesterol synthesis are elevated in adolescents and young adults with type 2 diabetes. <i>Pediatric Diabetes</i> , 2020, 21, 1126-1131.	2.9	5
65	Diabetes Technology Use in Remote Pediatric Patients with Type 1 Diabetes Using Clinic-to-Clinic Telemedicine. <i>Diabetes Technology and Therapeutics</i> , 2022, 24, 67-74.	4.4	5
66	Health-related quality of life in parents and partners of people with type 1 diabetes: Development and validation of type 1 diabetes and life (T1DAL) measures.. <i>Families, Systems and Health</i> , 2021, 39, 234-247.	0.6	4
67	Association of metformin and statin medications with surrogate measures of cardiovascular disease in youth with type 1 diabetes: the SEARCH for diabetes in youth study. <i>Annals of Pediatric Endocrinology and Metabolism</i> , 2019, 24, 187-194.	2.3	3
68	Association of Insulin Regimen and Estimated Body Fat Over Time among Youths and Young Adults with Type 1 Diabetes: The SEARCH for Diabetes in Youth Study. <i>Journal of Diabetes Research</i> , 2022, 2022, 1-12.	2.3	2