

Mark A Clements

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

6,049
citations

147801

31
h-index

76900

74
g-index

107
all docs

107
docs citations

107
times ranked

7471
citing authors

#	ARTICLE	IF	CITATIONS
1	State of Type 1 Diabetes Management and Outcomes from the T1D Exchange in 2016â€“2018. <i>Diabetes Technology and Therapeutics</i> , 2019, 21, 66-72.	4.4	1,332
2	Excess Mortality among Persons with Type 2 Diabetes. <i>New England Journal of Medicine</i> , 2015, 373, 1720-1732.	27.0	777
3	Glycemic Control and Excess Mortality in Type 1 Diabetes. <i>New England Journal of Medicine</i> , 2014, 371, 1972-1982.	27.0	717
4	Whole-genome sequencing for identification of Mendelian disorders in critically ill infants: a retrospective analysis of diagnostic and clinical findings. <i>Lancet Respiratory Medicine</i> , 2015, 3, 377-387.	10.7	322
5	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
6	Continuous glucose monitoring and glycemic control among youth with type 1 diabetes: International comparison from the T1D Exchange and DPV Initiative. <i>Pediatric Diabetes</i> , 2018, 19, 1271-1275.	2.9	186
7	Hemoglobin A1c (HbA1c) changes over time among adolescent and young adult participants in the T1D exchange clinic registry. <i>Pediatric Diabetes</i> , 2016, 17, 327-336.	2.9	177
8	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
9	Accuracy of Wrist-Worn Activity Monitors During Common Daily Physical Activities and Types of Structured Exercise: Evaluation Study. <i>JMIR MHealth and UHealth</i> , 2018, 6, e10338.	3.7	117
10	Exploring Variation in Glycemic Control Across and Within Eight High-Income Countries: A Cross-sectional Analysis of 64,666 Children and Adolescents With Type 1 Diabetes. <i>Diabetes Care</i> , 2018, 41, 1180-1187.	8.6	81
11	Racial/Ethnic Minority Youth With Recent-Onset Type 1 Diabetes Have Poor Prognostic Factors. <i>Diabetes Care</i> , 2018, 41, 1017-1024.	8.6	74
12	A Longitudinal Examination of Hope and Optimism and Their Role in Type 1 Diabetes in Youths. <i>Journal of Pediatric Psychology</i> , 2016, 41, 741-749.	2.1	73
13	High residual C-peptide likely contributes to glycemic control in type 1 diabetes. <i>Journal of Clinical Investigation</i> , 2020, 130, 1850-1862.	8.2	73
14	Long-term excess risk of heart failure in people with type 1 diabetes: a prospective case-control study. <i>Lancet Diabetes and Endocrinology</i> , 2015, 3, 876-885.	11.4	69
15	A Glycemia Risk Index (GRI) of Hypoglycemia and Hyperglycemia for Continuous Glucose Monitoring Validated by Clinician Ratings. <i>Journal of Diabetes Science and Technology</i> , 2023, 17, 1226-1242.	2.2	69
16	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
17	Digital Diabetes Management Application Improves Glycemic Outcomes in People With Type 1 and Type 2 Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2018, 12, 701-708.	2.2	54
18	Establishment of the T1D Exchange Quality Improvement Collaborative (T1DX-QI). <i>Clinical Diabetes</i> , 2020, 38, 141-151.	2.2	52

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19	Sleep duration and its impact on adherence in adolescents with type 1 diabetes mellitus. <i>Pediatric Diabetes</i> , 2017, 18, 262-270.	2.9	50
20	Development of biomarkers to optimize pediatric patient management: what makes children different?. <i>Biomarkers in Medicine</i> , 2011, 5, 781-794.	1.4	49
21	Age at diagnosis predicts deterioration in glycaemic control among children and adolescents with type 1 diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2014, 2, e000039.	2.8	48
22	Expression and Regulation of Nampt in Human Islets. <i>PLoS ONE</i> , 2013, 8, e58767.	2.5	46
23	Psychological Reactions Associated With Continuous Glucose Monitoring in Youth. <i>Journal of Diabetes Science and Technology</i> , 2016, 10, 656-661.	2.2	46
24	International benchmarking in type 1 diabetes: Large difference in childhood <scp>HbA1c</scp> between eight high-income countries but similar rise during adolescenceâ€”A quality registry study. <i>Pediatric Diabetes</i> , 2020, 21, 621-627.	2.9	43
25	Increased <scp>DKA</scp> at presentation among newly diagnosed type 1 diabetes patients with or without <scp>COVID</scp>â€”19: <scp>Data</scp> from a multi-site surveillance registry. <i>Journal of Diabetes</i> , 2021, 13, 270-272.	1.8	41
26	Frequency of Mealtime Insulin Bolus as a Proxy Measure of Adherence for Children and Youths with Type 1 Diabetes Mellitus. <i>Diabetes Technology and Therapeutics</i> , 2013, 15, 124-128.	4.4	39
27	New Insight Into Metformin Action: Regulation of ChREBP and FOXO1 Activities in Endothelial Cells. <i>Molecular Endocrinology</i> , 2015, 29, 1184-1194.	3.7	37
28	Five heterogeneous HbA1c trajectories from childhood to adulthood in youth with type 1 diabetes from three different continents: A group-based modeling approach. <i>Pediatric Diabetes</i> , 2019, 20, 920-931.	2.9	37
29	Early Initiation of Diabetes Devices Relates to Improved Glycemic Control in Children with Recent-Onset Type 1 Diabetes Mellitus. <i>Diabetes Technology and Therapeutics</i> , 2019, 21, 379-384.	4.4	37
30	Parental depression and diabetes-specific distress after the onset of type 1 diabetes in children.. <i>Health Psychology</i> , 2019, 38, 103-112.	1.6	37
31	A Mobile App for Synchronizing Glucometer Data: Impact on Adherence and Glycemic Control Among Youths With Type 1 Diabetes in Routine Care. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 461-467.	2.2	34
32	Intervention to reduce hypoglycemia fear in parents of young kids using video-based telehealth (REDCHiP). <i>Pediatric Diabetes</i> , 2020, 21, 112-119.	2.9	33
33	Insulin Pumpâ€™Long-Term Effects on Glycemic Control: An Observational Study at 10 Diabetes Clinics in Sweden. <i>Diabetes Technology and Therapeutics</i> , 2013, 15, 302-307.	4.4	32
34	Continuous Glucose Monitoring Versus Self-monitoring of Blood Glucose in Children with Type 1 Diabetes—The Pros and Cons. <i>US Endocrinology</i> , 2012, 08, 27.	0.3	32
35	An Evaluation of Two Capillary Sample Collection Kits for Laboratory Measurement of HbA1c. <i>Diabetes Technology and Therapeutics</i> , 2021, 23, 537-545.	4.4	31
36	An Intervention to Reduce Hypoglycemia Fear in Parents of Young Kids with Type 1 Diabetes Through Video-Based Telemedicine (REDCHiP): Trial Design, Feasibility, and Acceptability. <i>Diabetes Technology and Therapeutics</i> , 2020, 22, 25-33.	4.4	30

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37	Multi-Clinic Quality Improvement Initiative Increases Continuous Glucose Monitoring Use Among Adolescents and Young Adults With Type 1 Diabetes. <i>Clinical Diabetes</i> , 2021, 39, 264-271.	2.2	30
38	Thioredoxin-interacting protein promotes high-glucose-induced macrovascular endothelial dysfunction. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 291-297.	2.1	28
39	Pilot Study Results for a Novel Behavior Plus Nutrition Intervention for Caregivers of Young Children With Type 1 Diabetes. <i>Journal of Nutrition Education and Behavior</i> , 2014, 46, 429-433.	0.7	27
40	Eating patterns and food intake of persons with type 1 diabetes within the T1D exchange. <i>Diabetes Research and Clinical Practice</i> , 2018, 141, 217-228.	2.8	27
41	More Time in Glucose Range During Exercise Days than Sedentary Days in Adults Living with Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2021, 23, 376-383.	4.4	27
42	Adherence to Insulin Pump Behaviors in Young Children With Type 1 Diabetes Mellitus. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 87-91.	2.2	25
43	Frequency of Mealtime Insulin Bolus Predicts Glycated Hemoglobin in Youths with Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2014, 16, 519-523.	4.4	23
44	Predicting the Effectiveness of Insulin Pump Therapy on Glycemic Control in Clinical Practice: A Retrospective Study of Patients with Type 1 Diabetes from 10 Outpatient Diabetes Clinics in Sweden over 5 Years. <i>Diabetes Technology and Therapeutics</i> , 2015, 17, 21-28.	4.4	23
45	Implementing clinic-wide depression screening for pediatric diabetes: An initiative to improve healthcare processes. <i>Pediatric Diabetes</i> , 2019, 20, 964-973.	2.9	23
46	Test of the modified dual pathway model of eating disorders in individuals with type 1 diabetes. <i>International Journal of Eating Disorders</i> , 2019, 52, 630-642.	4.0	23
47	Osteocalcin protects pancreatic beta cell function and survival under high glucose conditions. <i>Biochemical and Biophysical Research Communications</i> , 2015, 462, 21-26.	2.1	21
48	“œl Donâ€™t Want Them to Feel Different” A Mixed Methods Study of Parentsâ€™ Beliefs and Dietary Management Strategies for Their Young Children with Type 1 Diabetes Mellitus. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2016, 116, 272-282.	0.8	21
49	Reexamining the Hypoglycemia Fear Survey for Parents of Young Children in a Sample of Children Using Insulin Pumps. <i>Diabetes Technology and Therapeutics</i> , 2017, 19, 103-108.	4.4	21
50	Average Daily Risk Range as a Measure for Clinical Research and Routine Care. <i>Journal of Diabetes Science and Technology</i> , 2013, 7, 1370-1375.	2.2	19
51	Diabetes conflict outstrips the positive impact of self-efficacy on youth adherence and glycemic control in type 1 diabetes. <i>Pediatric Diabetes</i> , 2017, 18, 614-618.	2.9	18
52	Shared Responsibility for Type 1 Diabetes Care Is Associated With Glycemic Variability and Risk of Glycemic Excursions in Youth. <i>Journal of Pediatric Psychology</i> , 2018, 43, 61-71.	2.1	18
53	Drosophila NAB (dNAB) is an orphan transcriptional co-repressor required for correct CNS and eye development. <i>Developmental Dynamics</i> , 2003, 226, 67-81.	1.8	17
54	High hemoglobin A1c variability is associated with early risk of microalbuminuria in children with T1D. <i>Pediatric Diabetes</i> , 2016, 17, 398-406.	2.9	17

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55	Assessment of biomarkers of inflammation and premature atherosclerosis in adolescents with type-1 diabetes mellitus. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2019, 32, 109-113.	0.9	17
56	Predictors of Loss to Follow-Up among Children with Type 2 Diabetes. <i>Hormone Research in Paediatrics</i> , 2017, 87, 377-384.	1.8	16
57	Health-System-Based Interventions to Improve Care in Pediatric and Adolescent Type 1 Diabetes. <i>Current Diabetes Reports</i> , 2015, 15, 91.	4.2	15
58	Evaluating Parents' Self-Efficacy for Diabetes Management in Pediatric Type 1 Diabetes. <i>Journal of Pediatric Psychology</i> , 2017, 42, js072.	2.1	15
59	Associations Between Objective Sleep Behaviors and Blood Glucose Variability in Young Children With Type 1 Diabetes. <i>Annals of Behavioral Medicine</i> , 2021, 55, 144-154.	2.9	15
60	A comparison of the structures of the alpha:beta and alpha:gamma dimers of mouse salivary androgen-binding protein (ABP) and their differential steroid binding. <i>Biochemical Genetics</i> , 1999, 37, 187-199.	1.7	13
61	Continuous Glucose Monitoring Decreases Hypoglycemia Avoidance Behaviors, but Not Worry in Parents of Youth With New Onset Type 1 Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 1093-1097.	2.2	13
62	Authoritarian parenting style predicts poorer glycemic control in children with new-onset type 1 diabetes. <i>Pediatric Diabetes</i> , 2018, 19, 1315-1321.	2.9	12
63	The association between depression symptom endorsement and glycemic outcomes in adolescents with type 1 diabetes. <i>Pediatric Diabetes</i> , 2022, 23, 248-257.	2.9	12
64	CREB participates in the IGF1-stimulation cyclin D1 transcription. <i>Developmental Neurobiology</i> , 2013, 73, 559-570.	3.0	11
65	Association of HbA1c to <i>BOLUS</i> Scores Among Youths with Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2016, 18, 351-359.	4.4	11
66	Depression as a predictor of hypoglycemia worry in parents of youth with recent-onset type 1 diabetes. <i>Pediatric Diabetes</i> , 2020, 21, 909-916.	2.9	11
67	Measuring Self-Efficacy in the Context of Pediatric Diabetes Management: Psychometric Properties of the Self-Efficacy for Diabetes Scale. <i>Journal of Pediatric Psychology</i> , 2018, 43, 143-151.	2.1	10
68	Bone marrow cavity: A supportive environment for islet engraftment. <i>Islets</i> , 2011, 3, 93-101.	1.8	9
69	Trends in Healthcare Provider Advice on Youth Tobacco Use, 2011-2015. <i>American Journal of Preventive Medicine</i> , 2018, 55, 222-230.	3.0	9
70	Assessing Mealtime Macronutrient Content: Patient Perceptions Versus Expert Analyses via a Novel Phone App. <i>Diabetes Technology and Therapeutics</i> , 2021, 23, 85-94.	4.4	9
71	The Cost of a Healthier Diet for Young Children With Type 1 Diabetes Mellitus. <i>Journal of Nutrition Education and Behavior</i> , 2015, 47, 361-366.e1.	0.7	8
72	Dyslipidaemia and statin use in individuals aged 10 to <lt;40 years in the T1D Exchange clinic registry. <i>Diabetes, Obesity and Metabolism</i> , 2019, 21, 170-172.	4.4	8

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73	Hemoglobin A1c Patterns of Youth With Type 1 Diabetes 10 Years Post Diagnosis From 3 Continents. <i>Pediatrics</i> , 2021, 148, .	2.1	8
74	A New Paediatric Diabetes Knowledge Test – M-WIKAD Development and Factor Analysis. <i>European Endocrinology</i> , 2019, 15, 1.	1.5	7
75	Hope and mealtime insulin boluses are associated with depressive symptoms and glycemic control in youth with type 1 diabetes mellitus. <i>Pediatric Diabetes</i> , 2018, 19, 1309-1314.	2.9	6
76	Stressful life events, parental psychosocial factors, and glycemic management in school-aged children during the 1-year follow-up of newly-onset type 1 diabetes. <i>Pediatric Diabetes</i> , 2020, 21, 673-680.	2.9	6
77	Response to Comment on Redondo et al. Racial/Ethnic Minority Youth With Recent-Onset Type 1 Diabetes Have Poor Prognostic Factors. <i>Diabetes Care</i> 2018;41:1017–1024. <i>Diabetes Care</i> , 2018, 41, e125-e126.	8.6	5
78	A Time-Friendly, Feasible Measure of Nutrition Knowledge in Type 1 Diabetes: The Electronic Nutrition and Carbohydrate Counting Quiz (eNCQ). <i>Journal of Diabetes Science and Technology</i> , 2019, 13, 68-74.	2.2	5
79	Transforming Performance of Clinical Trials in Pediatric Type 2 Diabetes: A Consortium Model. <i>Diabetes Technology and Therapeutics</i> , 2020, 22, 330-336.	4.4	5
80	A Nonrandomized Pilot of a Group Video-Based Telehealth Intervention to Reduce Diabetes Distress in Parents of Youth with Type 1 Diabetes Mellitus. <i>Canadian Journal of Diabetes</i> , 2021, 46, 262-268.	0.8	5
81	Evaluation of the Average Daily Risk Range as a Measure of Glycemic Variability in Youths with Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2015, 17, 795-800.	4.4	4
82	Cheiroarthropathy: A Common Disorder in Patients in the T1D Exchange. <i>Endocrine Practice</i> , 2019, 25, 138-143.	2.1	4
83	Identifying HbA1c trajectories and modifiable risk factors of trajectories in 5- to 9-year-olds with recent-onset type 1 diabetes from the United States. <i>Diabetic Medicine</i> , 2021, 38, e14637.	2.3	4
84	Incorporating Depression Screening into Diabetes Clinics across the T1DX Learning Collaborative. <i>Diabetes</i> , 2018, 67, .	0.6	4
85	205-OR: Sensitivity and Specificity of the PHQ-9 and PHQ-2 to Identify Depressive Symptoms in Teens with Type 1 Diabetes (T1D). <i>Diabetes</i> , 2019, 68, .	0.6	4
86	Parent Perspectives on Educational and Psychosocial Intervention for Recent-Onset Type 1 Diabetes in Their School-Age Child: A Qualitative Study. <i>Diabetes Spectrum</i> , 2021, 34, 166-174.	1.0	4
87	Physical Activity, Glycemic Variability, and Parental Hypoglycemia Fear in Preschoolers With Type 1 Diabetes. <i>Pediatric Exercise Science</i> , 2022, 34, 135-140.	1.0	4
88	Contrast Pattern Mining With the T1D Exchange Clinic Registry Reveals Complex Phenotypic Factors and Comorbidity Patterns Associated With Familial Versus Sporadic Type 1 Diabetes. <i>Diabetes Care</i> , 2022, 45, e56-e59.	8.6	4
89	The Interactive Effect of Diabetes Family Conflict and Depression on Insulin Bolusing Behaviors for Youth. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 493-498.	2.2	3
90	Diabetes Healthcare Professionals Use Multiple Continuous Glucose Monitoring Data Indicators to Assess Glucose Management. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 271-276.	2.2	3

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91	An Examination of the Glucose Management Indicator in Young Children with Type 1 Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2022, 16, 1505-1512.	2.2	3
92	Reducing Emotional Distress for Childhood Hypoglycemia in Parents (REDCHiP): Protocol for a Randomized Clinical Trial to Test a Video-Based Telehealth Intervention. <i>JMIR Research Protocols</i> , 2020, 9, e17877.	1.0	3
93	Iterative development of a web-based intervention for families of young children with type 1 diabetes: DIPPer Academy.. <i>Clinical Practice in Pediatric Psychology</i> , 2019, 7, 20-30.	0.3	3
94	Reflections on Incorporating a Behavioral Intervention into a Busy Pediatric Subspecialty Clinic. <i>Journal of Pediatric Health Care</i> , 2017, 31, 404-408.	1.2	2
95	Mealtime insulin BOLUS score increases prior to clinic visits in youth with type 1 diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001348.	2.8	2
96	RESCUE Collaborative Community: A New Initiative to Reduce Rates of Intended Self-Injury and Suicide Among People with Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2022, 24, 583-587.	4.4	2
97	Psychosocial Needs for Newly Diagnosed Youth with Type 1 Diabetes and Their Families. <i>Current Diabetes Reports</i> , 2022, 22, 385-392.	4.2	2
98	Group engagement in parent-focused telehealth interventions for families of children with type 1 diabetes. <i>Journal of Telemedicine and Telecare</i> , 2021, , 1357633X2110670.	2.7	1
99	Remedy to Diabetes Distress (R2D2): Development protocol for a scalable screen-to-treat program for families of school-age children. <i>Contemporary Clinical Trials</i> , 2022, 119, 106829.	1.8	1
100	Accuracy of Three Commercial Home-Use Hemoglobin A1c Tests. <i>Diabetes Technology and Therapeutics</i> , 2022, 24, 789-796.	4.4	1
101	Insulin Pump Adherence Behaviors Do Not Correlate With Glycemic Variability Among Youth With Type 1 Diabetes (T1D). <i>Journal of Diabetes Science and Technology</i> , 2019, 13, 142-143.	2.2	0
102	Are we there yet? Advanced technologies for young children with type 1 diabetes: comment in response to "Type 1 diabetes mellitus management in young children: implementation of current technologies". <i>Pediatric Research</i> , 2020, 87, 616-618.	2.3	0
103	Using Digital Health Technology to Prevent and Treat Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2021, 23, S-85-S-102.	4.4	0
104	Risky self-management behaviors in adolescents with type 1 diabetes: Measurement validation for the Diabetes-Specific Risk-Taking Inventory. <i>Pediatric Diabetes</i> , 0, , .	2.9	0