

# David C Klonoff

## List of Publications by Year in descending order

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Version: 2024-02-01

109  
papers

3,706  
citations

159585

30  
h-index

149698

56  
g-index

117  
all docs

117  
docs citations

117  
times ranked

4413  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Need for Data Standards and Implementation Policies to Integrate CGM Data into the Electronic Health Record. <i>Journal of Diabetes Science and Technology</i> , 2023, 17, 495-502.	2.2	18
2	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
3	User and Healthcare Professional Perspectives on Do-It-Yourself Artificial Pancreas Systems: A Need for Guidelines. <i>Journal of Diabetes Science and Technology</i> , 2022, 16, 224-227.	2.2	9
4	Digital Connectivity: The Sixth Vital Sign. <i>Journal of Diabetes Science and Technology</i> , 2022, 16, 1303-1308.	2.2	12
5	Products for Monitoring Glucose Levels in the Human Body With Noninvasive Optical, Noninvasive Fluid Sampling, or Minimally Invasive Technologies. <i>Journal of Diabetes Science and Technology</i> , 2022, 16, 168-214.	2.2	30
6	The Need for Sharps Waste Disposal Guidelines for Commercial Airports. <i>Journal of Diabetes Science and Technology</i> , 2022, 16, 1370-1375.	2.2	4
7	Continuous Ketone Monitoring Consensus Report 2021. <i>Journal of Diabetes Science and Technology</i> , 2022, 16, 689-715.	2.2	18
8	Green Diabetes Summit 2021. <i>Journal of Diabetes Science and Technology</i> , 2022, 16, 233-247.	2.2	7
9	The Diabetes Technology Society Green Declaration. <i>Journal of Diabetes Science and Technology</i> , 2022, 16, 215-217.	2.2	4
10	Impact of kidney function on the safety and efficacy of insulin degludec versus insulin glargine U300 in people with type 2 diabetes: A post hoc analysis of the CONCLUDE trial. <i>Diabetes, Obesity and Metabolism</i> , 2022, 24, 332-336.	4.4	4
11	Treating an Unconscious Patient With Diabetes Wearing a Device Attached to Their Body. <i>Journal of Diabetes Science and Technology</i> , 2022, 16, 583-586.	2.2	1
12	Breakthrough technology for in-hospital glucose monitoring. <i>Lancet Diabetes and Endocrinology</i> , 2022, , .	11.4	0
13	A New Digital Point-of-Care Tool With Advanced Blood Glucose Measuring Technology. <i>Journal of Diabetes Science and Technology</i> , 2022, , 193229682210927.	2.2	1
14	Diabetes Technology Meeting 2021. <i>Journal of Diabetes Science and Technology</i> , 2022, , 193229682210902.	2.2	2
15	Reduced hypoglycaemia using liver-targeted insulin in individuals with type 1 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2022, 24, 1762-1769.	4.4	3
16	The Launch of the iCoDE Standard Project. <i>Journal of Diabetes Science and Technology</i> , 2022, 16, 887-895.	2.2	13
17	The Benefit of Insulin Degludec/Liraglutide (IDegLira) Compared With Basal-Bolus Insulin Therapy is Consistent Across Participant Subgroups With Type 2 Diabetes in the DUAL VII Randomized Trial. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 636-645.	2.2	4
18	Pharmacoadherence: An Opportunity for Digital Health to Inform the Third Dimension of Pharmacotherapy for Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 177-183.	2.2	10

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19	Association Between Achieving Inpatient Glycemic Control and Clinical Outcomes in Hospitalized Patients With COVID-19: A Multicenter, Retrospective Hospital-Based Analysis. <i>Diabetes Care</i> , 2021, 44, 578-585.	8.6	65
20	Effect of environmental pollutants PM-2.5, carbon monoxide, and ozone on the incidence and mortality of SARS-COV-2 infection in ten wildfire affected counties in California. <i>Science of the Total Environment</i> , 2021, 757, 143948.	8.0	64
21	Evaluating the usability and safety of the semaglutide single-dose pen injectors through summative (human factors) usability testing. <i>Journal of Diabetes Investigation</i> , 2021, 12, 978-987.	2.4	6
22	Automated Insulin Dosing Systems or Automated Insulin Delivery Systems? It is Time for Consistency. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 211-213.	2.2	5
23	The FDA Pilot Accreditation Scheme for Conformity: Will It Pertain to Cybersecurity of Diabetes Devices?. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 535-538.	2.2	1
24	Advances in Insulin Pump Infusion Sets Symposium Report. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 705-709.	2.2	10
25	Continuous Ketone Monitoring: A New Paradigm for Physiologic Monitoring. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 193229682110098.	2.2	17
26	Continuous Glucose Monitoring in the Hospital. <i>Endocrinology and Metabolism</i> , 2021, 36, 240-255.	3.0	30
27	Standardization process of continuous glucose monitoring: Traceability and performance. <i>Clinica Chimica Acta</i> , 2021, 515, 5-12.	1.1	34
28	Benefits of Conformity Assessment for Cybersecurity Standards of Diabetes Devices and Other Medical Devices. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 193229682110181.	2.2	0
29	Continuous glucose monitoring systems - Current status and future perspectives of the flagship technologies in biosensor research -. <i>Biosensors and Bioelectronics</i> , 2021, 181, 113054.	10.1	114
30	Clinical Trials of COVID-19 Therapies Should Account for Diabetes and Hyperglycemia. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 1181-1187.	2.2	0
31	Diabetes Technology and Waste: A Complex Story. <i>Journal of Diabetes Science and Technology</i> , 2021, , 193229682110223.	2.2	3
32	Excess Mortality in COVID-19-Positive Versus COVID-19-Negative Inpatients With Diabetes: A Nationwide Study. <i>Diabetes Care</i> , 2021, 44, e169-e170.	8.6	8
33	Diabetes Technology Meeting 2020. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 916-960.	2.2	1
34	Input of Patients for New Diabetes Technology Products. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 983-985.	2.2	2
35	The Availability of Sharps Disposal Bins: A Survey of Airports in California. <i>Journal of Diabetes Science and Technology</i> , 2021, , 193229682110398.	2.2	0
36	Effect of insulin degludec versus insulin glargine U100 on time in range: SWITCH PRO, a crossover study of basal insulin-treated adults with type 2 diabetes and risk factors for hypoglycaemia. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 2572-2581.	4.4	14

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37	Semaglutide single-dose pen injector: Post hoc analysis of summative usability testing for weight management. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 2590-2594.	4.4	6
38	Antioxidant-Induced Pseudohyperglycemia Due to Interference of Measurements by Blood Glucose Monitors. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 1404-1405.	2.2	3
39	Noninvasive Glucose Monitoring: In God We Trust—All Others Bring Data. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 1211-1215.	2.2	3
40	A Gut-Centric Model of Metabolic Homeostasis. <i>Journal of Diabetes Science and Technology</i> , 2021, , 193229682110445.	2.2	2
41	The Expanding Role of Real-World Evidence Trials in Health Care Decision Making. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 174-179.	2.2	44
42	Hemoglobinopathies and Hemoglobin A1c in Diabetes Mellitus. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 3-7.	2.2	34
43	Barriers and Solutions to a Recently Noted Failure of Diabetes Care Outcomes to Improve From 2005 to 2016 in the United States. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 189-190.	2.2	3
44	Is Digital Health for Diabetes in an Investment Bubble?. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 165-169.	2.2	4
45	The End of the Road for the YSI 2300 Analyzer: Where Do We Go Now?. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 595-600.	2.2	5
46	Predictors of Time-to-Repeat Point-of-Care Glucose Following Hypoglycemic Events in Hospitalized Patients. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 526-534.	2.2	3
47	The Need for Precision Medicine to be Applied to Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 1122-1128.	2.2	10
48	The Need to Change Regulatory Evaluation of Hypoglycemia in Trials of Diabetes Treatments. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 987-989.	2.2	0
49	Continuous Glucose Monitors and Automated Insulin Dosing Systems in the Hospital Consensus Guideline. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 1035-1064.	2.2	77
50	Diagnosing diabetes mellitus from smartphone-based vascular signals. <i>Nature Reviews Endocrinology</i> , 2020, 16, 681-682.	9.6	4
51	Impact of lockdown on COVID-19 prevalence and mortality during 2020 pandemic: observational analysis of 27 countries. <i>European Journal of Medical Research</i> , 2020, 25, 56.	2.2	63
52	User experiences with second-generation 32-gauge 4‰mm vs. thinner comparator pen needles: prospective randomized trial. <i>Current Medical Research and Opinion</i> , 2020, 36, 1591-1600.	1.9	3
53	Regarding a successful treatment with artificial pancreas for a patient who attempted suicide using a high-dose insulin s.c. injection. <i>Acute Medicine &amp; Surgery</i> , 2020, 7, e567.	1.2	0
54	Glycemic Characteristics and Clinical Outcomes of COVID-19 Patients Hospitalized in the United States. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 813-821.	2.2	535

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55	The Coronavirus 2019 Pandemic and Diabetes: An International Perspective. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 703-704.	2.2	4
56	Telemedicine for Diabetes After the COVID-19 Pandemic: We Can™ Put the Toothpaste Back in the Tube or Turn Back the Clock. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 741-742.	2.2	14
57	Implementation of Continuous Glucose Monitoring in the Hospital: Emergent Considerations for Remote Glucose Monitoring During the COVID-19 Pandemic. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 822-832.	2.2	86
58	A Review of Continuous Glucose Monitoring-Based Composite Metrics for Glycemic Control. <i>Diabetes Technology and Therapeutics</i> , 2020, 22, 613-622.	4.4	30
59	The Diabetes Technology Society Green Diabetes Initiative. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 507-512.	2.2	16
60	Risk of hypoglycaemia with insulin degludec versus insulin glargine U300 in insulin-treated patients with type 2 diabetes: the randomised, head-to-head CONCLUDE trial. <i>Diabetologia</i> , 2020, 63, 698-710.	6.3	58
61	An Opportunity to Increase the Benefit of CGM Usage: The Need to Train the Patients Adequately. <i>Journal of Diabetes Science and Technology</i> , 2020, 14, 983-986.	2.2	11
62	Biological and epidemiological trends in the prevalence and mortality due to outbreaks of novel coronavirus COVID-19. <i>Journal of King Saud University - Science</i> , 2020, 32, 2495-2499.	3.5	77
63	Letter to the Editor: COVID-19 in patients with diabetes: Risk factors that increase morbidity. <i>Metabolism: Clinical and Experimental</i> , 2020, 108, 154224.	3.4	83
64	ENDOCRINOLOGY IN THE TIME OF COVID-19: Remodelling diabetes services and emerging innovation. <i>European Journal of Endocrinology</i> , 2020, 183, G67-G77.	3.7	48
65	1021-P: HbA1c Levels and Rates of Hypoglycemia with Insulin Degludec U200 and Insulin Glargine U300 Stratified by Renal Function Subgroups: Post Hoc Analysis from the CONCLUDE Trial. <i>Diabetes</i> , 2020, 69, .	0.6	3
66	111-LB: Hepatic Insulin Delivery to Minimize Hypoglycemic Events in Persons with Type 1 Diabetes: The OPTI-1 Study. <i>Diabetes</i> , 2020, 69, .	0.6	3
67	The First Recall of a Diabetes Device Because of Cybersecurity Risks. <i>Journal of Diabetes Science and Technology</i> , 2019, 13, 817-820.	2.2	11
68	Divergent Hypoglycemic Effects of Hepatic-Directed Prandial Insulin: A 6-Month Phase 2b Study in Type 1 Diabetes. <i>Diabetes Care</i> , 2019, 42, 2154-2157.	8.6	16
69	Behavioral Theory: The Missing Ingredient for Digital Health Tools to Change Behavior and Increase Adherence. <i>Journal of Diabetes Science and Technology</i> , 2019, 13, 276-281.	2.2	42
70	New Opportunities for Digital Health to Thrive. <i>Journal of Diabetes Science and Technology</i> , 2019, 13, 159-163.	2.2	13
71	Supporting Good Intentions With Good Evidence: How to Increase the Benefits of Diabetes Social Media. <i>Journal of Diabetes Science and Technology</i> , 2019, 13, 974-978.	2.2	16
72	Postmarket Surveillance of Blood Glucose Monitor Systems Is Needed for Safety of Subjects and Accurate Determination of Effectiveness in Clinical Trials of Diabetes Drugs and Devices. <i>Journal of Diabetes Science and Technology</i> , 2019, 13, 419-423.	2.2	7

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73	Implementation of Basalâ€“Bolus Therapy in Type 2 Diabetes: A Randomized Controlled Trial Comparing Bolus Insulin Delivery Using an Insulin Patch with an Insulin Pen. <i>Diabetes Technology and Therapeutics</i> , 2019, 21, 273-285.	4.4	26
74	The Need for Accuracy in Hemoglobin A1c Proficiency Testing: Why the Proposed CLIA Rule of 2019 Is a Step Backward. <i>Journal of Diabetes Science and Technology</i> , 2019, 13, 424-427.	2.2	11
75	Real-World Evidence Should Be Used in Regulatory Decisions About New Pharmaceutical and Medical Device Products for Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2019, 13, 995-1000.	2.2	28
76	Response to Comment on Umpierrez and Klonoff. <i>Diabetes Technology Update: Use of Insulin Pumps and Continuous Glucose Monitoring in the Hospital. Diabetes Care</i> 2018;41:1579â€“1589. <i>Diabetes Care</i> , 2019, 42, e66-e67.	8.6	3
77	Digital Health Interventions for Diabetes: Everything to Gain and Nothing to Lose. <i>Diabetes Spectrum</i> , 2019, 32, 226-230.	1.0	23
78	Digital Diabetes Data and Artificial Intelligence: A Time for Humility Not Hubris. <i>Journal of Diabetes Science and Technology</i> , 2019, 13, 123-127.	2.2	20
79	Response to Comment on Umpierrez and Klonoff. <i>Diabetes Technology Update: Use of Insulin Pumps and Continuous Glucose Monitoring in the Hospital. Diabetes Care</i> 2018;41:1579â€“1589. <i>Diabetes Care</i> , 2019, 42, e15-e15.	8.6	0
80	A randomized, multicentre trial evaluating the efficacy and safety of fastâ€“acting insulin aspart in continuous subcutaneous insulin infusion in adults with type 1 diabetes (onset 5). <i>Diabetes, Obesity and Metabolism</i> , 2019, 21, 961-967.	4.4	59
81	Consensus Statement on Use of Continuous Subcutaneous Insulin Infusion Therapy in the Hospital. <i>Journal of Diabetes Science and Technology</i> , 2018, 12, 880-889.	2.2	21
82	Standards for Medical Device Cybersecurity in 2018. <i>Journal of Diabetes Science and Technology</i> , 2018, 12, 743-746.	2.2	14
83	Smart Pens Will Improve Insulin Therapy. <i>Journal of Diabetes Science and Technology</i> , 2018, 12, 551-553.	2.2	53
84	Finding Real Value From Digital Diabetes Health: Is Digital Health Dead or in Need of Resuscitation?. <i>Journal of Diabetes Science and Technology</i> , 2018, 12, 911-913.	2.2	7
85	Overcoming Barriers to Adoption of Digital Health Tools for Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2018, 12, 3-6.	2.2	32
86	Wearable physiological systems and technologies for metabolic monitoring. <i>Journal of Applied Physiology</i> , 2018, 124, 548-556.	2.5	60
87	A Milestone in Point of Care Capillary Blood Glucose Monitoring of Critically Ill Hospitalized Patients. <i>Journal of Diabetes Science and Technology</i> , 2018, 12, 1095-1100.	2.2	12
88	A Review of Blood Glucose Monitor Accuracy. <i>Diabetes Technology and Therapeutics</i> , 2018, 20, 843-856.	4.4	26
89	Diabetes Technology Update: Use of Insulin Pumps and Continuous Glucose Monitoring in the Hospital. <i>Diabetes Care</i> , 2018, 41, 1579-1589.	8.6	175
90	Engineered fungus derived FAD-dependent glucose dehydrogenase with acquired ability to utilize hexaammineruthenium(III) as an electron acceptor. <i>Bioelectrochemistry</i> , 2018, 123, 62-69.	4.6	15

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91	Open Source Closed-Loop Insulin Delivery Systems: A Clash of Cultures or Merging of Diverse Approaches?. <i>Journal of Diabetes Science and Technology</i> , 2018, 12, 1223-1226.	2.2	32
92	Investigation of the Accuracy of 18 Marketed Blood Glucose Monitors. <i>Diabetes Care</i> , 2018, 41, 1681-1688.	8.6	112
93	Consensus Statement on Inpatient Use of Continuous Glucose Monitoring. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 1036-1044.	2.2	99
94	Insulin Pump Occlusions: For Patients Who Have Been Around the (Infusion) Block. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 451-454.	2.2	23
95	Continuous glucose monitoring: A review of the technology and clinical use. <i>Diabetes Research and Clinical Practice</i> , 2017, 133, 178-192.	2.8	192
96	Fog Computing and Edge Computing Architectures for Processing Data From Diabetes Devices Connected to the Medical Internet of Things. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 647-652.	2.2	71
97	A Simplified Approach Using Rate of Change Arrows to Adjust Insulin With Real-Time Continuous Glucose Monitoring. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 1063-1069.	2.2	34
98	Now Is the Time for a Security and Safety Standard for Consumer Smartphones Controlling Diabetes Devices. <i>Journal of Diabetes Science and Technology</i> , 2017, 11, 870-873.	2.2	4
99	Digital Diabetes Communication. <i>Journal of Diabetes Science and Technology</i> , 2016, 10, 1003-1005.	2.2	12
100	Telemedicine for Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2016, 10, 3-5.	2.2	25
101	PRIDE Statement on the Need for a Moratorium on the CMS Plan to Cite Hospitals for Performing Point-of-Care Capillary Blood Glucose Monitoring on Critically Ill Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 3607-3612.	3.6	21
102	Cybersecurity for Connected Diabetes Devices. <i>Journal of Diabetes Science and Technology</i> , 2015, 9, 1143-1147.	2.2	55
103	The Surveillance Error Grid. <i>Journal of Diabetes Science and Technology</i> , 2014, 8, 658-672.	2.2	125
104	Technical Aspects of the Parkes Error Grid. <i>Journal of Diabetes Science and Technology</i> , 2013, 7, 1275-1281.	2.2	81
105	Recommendations for Standardizing Glucose Reporting and Analysis to Optimize Clinical Decision Making in Diabetes: The Ambulatory Glucose Profile. <i>Journal of Diabetes Science and Technology</i> , 2013, 7, 562-578.	2.2	104
106	Overview of Fluorescence Glucose Sensing: A Technology with a Bright Future. <i>Journal of Diabetes Science and Technology</i> , 2012, 6, 1242-1250.	2.2	91
107	Assisted Monitoring of Blood Glucose: Special Safety Needs for a New Paradigm in Testing Glucose. <i>Journal of Diabetes Science and Technology</i> , 2010, 4, 1027-1031.	2.2	53
108	Trimetazidine Blocks Lipid Oxidation—Should it be Repurposed for Prevention and Treatment of Diabetic Ketoacidosis?. <i>Journal of Diabetes Science and Technology</i> , 0, , 193229682211001.	2.2	0

#	ARTICLE	IF	CITATIONS
109	Retained Diabetes Devices—A Literature Review. Journal of Diabetes Science and Technology, 0, , 193229682211058.	2.2	0