Guido Freckmann

List of Publications by Year
in descending order

163 papers	4,109 citations	147566 31 h-index	149479 56 g-index
189 all docs	189 docs citations	189 times ranked	3355 citing authors

#	Article	IF	Citations
1	Impact of Blood Glucose Monitoring System Accuracy on Clinical Decision Making for Diabetes Management. Journal of Diabetes Science and Technology, 2023, 17, 683-689.	1.3	4
2	A Glycemia Risk Index (GRI) of Hypoglycemia and Hyperglycemia for Continuous Glucose Monitoring Validated by Clinician Ratings. Journal of Diabetes Science and Technology, 2023, 17, 1226-1242.	1.3	69
3	Impact of Two Different Reference Measurement Procedures on Apparent System Accuracy of 18 CE-Marked Current-Generation Blood Glucose Monitoring Systems. Journal of Diabetes Science and Technology, 2022, 16, 1076-1088.	1.3	7
4	Choice of Continuous Glucose Monitoring Systems May Affect Metrics: Clinically Relevant Differences in Times in Ranges. Experimental and Clinical Endocrinology and Diabetes, 2022, 130, 343-350.	0.6	11
5	Evaluation of Trueness and Precision of a Bench-Top Laboratory Glucose Analyzer Using Reference Materials. Journal of Diabetes Science and Technology, 2022, 16, 751-755.	1.3	3
6	Variation of Mean Absolute Relative Differences of Continuous Glucose Monitoring Systems Throughout the Day. Journal of Diabetes Science and Technology, 2022, 16, 649-658.	1.3	12
7	Mean Absolute Relative Difference of Blood Glucose Monitoring Systems and Relationship to ISO 15197. Journal of Diabetes Science and Technology, 2022, 16, 1089-1095.	1.3	7
8	Evaluation of the Accuracy and Reliability of a Tubeless Insulin Infusion System Under Laboratory Conditions. Journal of Diabetes Science and Technology, 2022, , 193229682110708.	1.3	0
9	Patch Pumps: What are the advantages for people with diabetes?. Diabetes Research and Clinical Practice, 2022, 187, 109858.	1.1	5
10	Performance of intermittently scanned continuous glucose monitoring systems in people with type 1 diabetes: A pooled analysis. Diabetes, Obesity and Metabolism, 2022, 24, 522-529.	2.2	12
11	Self-Monitoring of Blood Glucose as an Integral Part in the Management of People with Type 2 Diabetes Mellitus. Diabetes Therapy, 2022, 13, 829-846.	1.2	9
12	Patch Pumps: Periodic Insulin Delivery Patterns. Journal of Diabetes Science and Technology, 2022, , 193229682210918.	1.3	0
13	Real-Time Continuous Glucose Monitoring Can Predict Severe Hypoglycemia in People with Type 1 Diabetes: Combined Analysis of the HypoDE and DIAMOND Trials. Diabetes Technology and Therapeutics, 2022, 24, 603-610.	2.4	1
14	Insulin Pump Therapy for Patients With Type 2 Diabetes Mellitus: Evidence, Current Barriers, and New Technologies. Journal of Diabetes Science and Technology, 2021, 15, 193229682092810.	1.3	25
15	Time in Specific Glucose Ranges, Glucose Management Indicator, and Glycemic Variability: Impact of Continuous Glucose Monitoring (CGM) System Model and Sensor on CGM Metrics. Journal of Diabetes Science and Technology, 2021, 15, 1104-1110.	1.3	14
16	Skin Reaction Report Form: Development and Design of a Standardized Report Form for Skin Reactions Due to Medical Devices for Diabetes Management. Journal of Diabetes Science and Technology, 2021, 15, 193229682091110.	1.3	10
17	Intermittent Use of Continuous Glucose Monitoring: Expanding the Clinical Value of CGM. Journal of Diabetes Science and Technology, 2021, 15, 684-694.	1.3	10
18	Proof of Concept for a New Raman-Based Prototype for Noninvasive Glucose Monitoring. Journal of Diabetes Science and Technology, 2021, 15, 11-18.	1.3	21

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19	Evaluation of the SPECTRUM training programme for realâ€time continuous glucose monitoring: A realâ€world multicentre prospective study in 120 adults with type 1 diabetes. Diabetic Medicine, 2021, 38, e14467.	1.2	19
20	Evaluation of the Accuracy of Current Tubeless Pumps for Continuous Subcutaneous Insulin Infusion. Diabetes Technology and Therapeutics, 2021, 23, 350-357.	2.4	9
21	Comparative Accuracy Analysis of a Real-time and an Intermittent-Scanning Continuous Glucose Monitoring System. Journal of Diabetes Science and Technology, 2021, 15, 287-293.	1.3	12
22	Description of a Novel Patch Pump for Insulin Delivery and Comparative Accuracy Evaluation. Journal of Diabetes Science and Technology, 2021, , 193229682110004.	1.3	0
23	Therapy adjustments in people with type 1 diabetes with impaired hypoglycemia awareness on multiple daily injections using real-time continuous glucose monitoring: a mechanistic analysis of the HypoDE study. BMJ Open Diabetes Research and Care, 2021, 9, e001848.	1.2	5
24	Standardization process of continuous glucose monitoring: Traceability and performance. Clinica Chimica Acta, 2021, 515, 5-12.	0.5	34
25	Comment on â€œDo We Need the Replacement of YSI 2300? A View from the Clinical Laboratoryâ€•by Spanou and Makris. Journal of Diabetes Science and Technology, 2021, , 193229682110142.	1.3	0
26	Heterogeneity of Access to Diabetes Technology Depending on Area Deprivation and Demographics Between 2016 and 2019 in Germany. Journal of Diabetes Science and Technology, 2021, 15, 1059-1068.	1.3	18
27	Response to Seibold: Data Obtained With Early Generations of CGM Sensors: Comment on Pleus et al.. Journal of Diabetes Science and Technology, 2021, , 193229682110372.	1.3	0
28	Benefits and Limitations of MARD as a Performance Parameter for Continuous Glucose Monitoring in the Interstitial Space. Journal of Diabetes Science and Technology, 2020, 14, 135-150.	1.3	72
29	Continuous Glucose Monitoring in People With Type 1 Diabetes on Multiple-Dose Injection Therapy: The Relationship Between Glycemic Control and Hypoglycemia. Diabetes Care, 2020, 43, 53-58.	4.3	18
30	Concept and Implementation of a Novel Patch Pump for Insulin Delivery. Journal of Diabetes Science and Technology, 2020, 14, 324-327.	1.3	6
31	Critical Reappraisal of the Time-in-Range: Alternative or Useful Addition to Glycated Hemoglobin?. Journal of Diabetes Science and Technology, 2020, 14, 922-927.	1.3	13
32	Measurement accuracy of two professional-use systems for point-of-care testing of blood glucose. Clinical Chemistry and Laboratory Medicine, 2020, 58, 445-455.	1.4	5
33	Continuous Glucose Monitors and Automated Insulin Dosing Systems in the Hospital Consensus Guideline. Journal of Diabetes Science and Technology, 2020, 14, 1035-1064.	1.3	77
34	Stability of Glucose Concentrations in Frozen Plasma. Journal of Diabetes Science and Technology, 2020, , 193229682096365.	1.3	3
35	Preulcerous Risk Situation in Diabetic Foot Syndrome: Proposal for a Simple Ulcer Prevention Score. Journal of Diabetes Science and Technology, 2020, 15, 193229682092259.	1.3	4
36	A Prospective Study of Insulin Infusion Set Use for up to 7 Days: Early Replacement Reasons and Impact on Glycemic Control. Diabetes Technology and Therapeutics, 2020, 22, 734-741.	2.4	17

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37	Accuracy assessment of bolus and basal rate delivery of different insulin pump systems used in insulin pump therapy of children and adolescents. Pediatric Diabetes, 2020, 21, 649-656.	1.2	16
38	System accuracy evaluation of 18 CE-marked current-generation blood glucose monitoring systems based on EN ISO 15197:2015. BMJ Open Diabetes Research and Care, 2020, 8, e001067.	1.2	28
39	Basics and use of continuous glucose monitoring (CGM) in diabetes therapy. Journal of Laboratory Medicine, 2020, 44, 71-79.	1.1	33
40	Accuracy of five systems for self-monitoring of blood glucose in the hands of adult lay-users and professionals applying ISO 15197:2013 accuracy criteria and potential insulin dosing errors. Current Medical Research and Opinion, 2019, 35, 301-311.	0.9	6
41	First User Experiences With a Novel Touchscreen-Based Insulin Pump System in Daily Life of Patients With Type 1 Diabetes Experienced in Insulin Pump Therapy. Journal of Diabetes Science and Technology, 2019, 13, 96-102.	1.3	4
42	Patch Pumps: Are They All the Same?. Journal of Diabetes Science and Technology, 2019, 13, 34-40.	1.3	25
43	Establishing Methods to Determine Clinically Relevant Bolus and Basal Rate Delivery Accuracy of Insulin Pumps. Journal of Diabetes Science and Technology, 2019, 13, 60-67.	1.3	24
44	Documentation of Skin-Related Issues Associated with Continuous Glucose Monitoring Use in the Scientific Literature. Diabetes Technology and Therapeutics, 2019, 21, 538-545.	2.4	32
45	Advanced carbohydrate counting: An engineering perspective. Annual Reviews in Control, 2019, 48, 401-422.	4.4	10
46	Accuracy of Bolus and Basal Rate Delivery of Different Insulin Pump Systems. Diabetes Technology and Therapeutics, 2019, 21, 201-208.	2.4	25
47	Impact of CGM on the Management of Hypoglycemia Problems: Overview and Secondary Analysis of the HypoDE Study. Journal of Diabetes Science and Technology, 2019, 13, 636-644.	1.3	35
48	Proof of Concept Study to Assess the Influence of Oxygen Partial Pressure in Capillary Blood on SMBG Measurements. Journal of Diabetes Science and Technology, 2019, 13, 1105-1111.	1.3	6
49	Performance and Usability of Three Systems for Continuous Glucose Monitoring in Direct Comparison. Journal of Diabetes Science and Technology, 2019, 13, 890-898.	1.3	21
50	Comment on ï¿½accuracy and precision of four main glucometers used in a sub-Saharan African country: a cross-sectional studyï¿½ by Choukem et al. Pan African Medical Journal, 2019, 33, 271.	0.3	0
51	Definition, Classification and Diagnosis of Diabetes Mellitus. Experimental and Clinical Endocrinology and Diabetes, 2019, 127, S1-S7.	0.6	263
52	Glucose Measurement and Control in Patients with Type 1 or Type 2 Diabetes. Experimental and Clinical Endocrinology and Diabetes, 2019, 127, S8-S26.	0.6	5
53	Assessment of System Accuracy, Intermediate Measurement Precision, and Measurement Repeatability of a Blood Glucose Monitoring System Based on ISO 15197. Journal of Diabetes Science and Technology, 2019, 13, 235-241.	1.3	2
54	Measures of Accuracy for Continuous Glucose Monitoring and Blood Glucose Monitoring Devices. Journal of Diabetes Science and Technology, 2019, 13, 575-583.	1.3	80

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55	The Effects and Effect Sizes of Real-Time Continuous Glucose Monitoring on Patient-Reported Outcomes: A Secondary Analysis of the HypoDE Study. Diabetes Technology and Therapeutics, 2019, 21, 86-93.	2.4	14
56	Reporting Insulin Pump Accuracy: Trumpet Curves According to IEC 60601-2-24 and Beyond. Journal of Diabetes Science and Technology, 2019, 13, 592-596.	1.3	11
57	Evaluation of Analytical Performance of Three Blood Glucose Monitoring Systems: System Accuracy, Measurement Repeatability, and Intermediate Measurement Precision. Journal of Diabetes Science and Technology, 2019, 13, 111-117.	1.3	4
58	279-OR: How to Use rtCGM Data to Predict Future Severe Hypoglycemia?. Diabetes, 2019, 68, .	0.3	0
59	119-LB: Bolus Dosing Accuracy of Two Recent Insulin Pumps. Diabetes, 2019, 68, 119-LB.	0.3	3
60	Evaluation of Four Blood Glucose Monitoring Systems for Self-Testing with Built-in Insulin Dose Advisor Based on ISO 15197:2013: System Accuracy and Hematocrit Influence. Diabetes Technology and Therapeutics, 2018, 20, 303-313.	2.4	11
61	Real-time continuous glucose monitoring in adults with type 1 diabetes and impaired hypoglycaemia awareness or severe hypoglycaemia treated with multiple daily insulin injections (HypoDE): a multicentre, randomised controlled trial. Lancet, The, 2018, 391, 1367-1377.	6.3	358
62	System Accuracy and User Performance Evaluation of an Improved System for Self-Monitoring of Blood Glucose. Journal of Diabetes Science and Technology, 2018, 12, 407-411.	1.3	7
63	Occlusion Detection Time in Insulin Pumps at Two Different Basal Rates. Journal of Diabetes Science and Technology, 2018, 12, 608-613.	1.3	9
64	Blood Glucose Monitoring Data Should Be Reported in Detail When Studies About Efficacy of Continuous Glucose Monitoring Systems Are Published. Journal of Diabetes Science and Technology, 2018, 12, 1061-1063.	1.3	13
65	User Performance Evaluation of Four Blood Glucose Monitoring Systems Applying ISO 15197:2013 Accuracy Criteria and Calculation of Insulin Dosing Errors. Diabetes Therapy, 2018, 9, 683-697.	1.2	10
66	Flash Glucose Monitoring: Differences Between Intermittently Scanned and Continuously Stored Data. Journal of Diabetes Science and Technology, 2018, 12, 397-400.	1.3	12
67	Accuracy Evaluation of a New System for Self-Monitoring of Blood Glucose With Three Test Strip Lots Based on ISO 15197:2013. Journal of Diabetes Science and Technology, 2018, 12, 539-540.	1.3	3
68	Comparative Handling Analysis of Different Insulin Pump Systems. Journal of Diabetes Science and Technology, 2018, 12, 401-406.	1.3	1
69	Impact of Carbohydrate Counting Errors on Glycemic Control in Type 1 Diabetes. IFAC-PapersOnLine, 2018, 51, 186-191.	0.5	9
70	Identification of Mixed-Meal Effects on Insulin Needs and Glycemic Control. IFAC-PapersOnLine, 2018, 51, 419-424.	0.5	2
71	Measurement Performance of Two Continuous Tissue Glucose Monitoring Systems Intended for Replacement of Blood Glucose MonitoringParts of the data have previously been presented at the 77th Scientific Sessions of the American Diabetes Association in San Diego, CA; June 9â€“13, 2017 and at the 17th Annual Diabetes Technology Meeting in Bethesda, MD, November 2â€“4, 2017.Trial number: DRKS00011920; registered at the Deutsches Register Klinischer Studien (German clinical trials) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.4	47
72	Prediction Quality of Glucose Trend Indicators in Two Continuous Tissue Glucose Monitoring SystemsParts of these data were previously presented at the 53rd Annual Meeting of the European Association for the Study of Diabetes, September 11â€“15, 2017, Lisbon, Portugal.. Diabetes Technology and Therapeutics, 2018, 20, 550-556.	2.4	10

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73	Continuous glucose monitoring: data management and evaluation by patients and health care professionals â€“ current situation and developments. Laboratoriums Medizin, 2018, 42, 225-233.	0.1	3
74	Higher HbA1c Measurement Quality Standards are Needed for Follow-Up and Diagnosis: Experience and Analyses from Germany. Hormone and Metabolic Research, 2018, 50, 728-734.	0.7	14
75	Evaluation of Hematocrit Influence on Measurements With a Novel Self-Monitoring of Blood Glucose System Based on ISO 15197:2013. Journal of Diabetes Science and Technology, 2018, 12, 1078-1079.	1.3	1
76	Definition, Classification and Diagnosis of Diabetes Mellitus. Experimental and Clinical Endocrinology and Diabetes, 2018, 126, 406-410.	0.6	80
77	Practical Recommendations for Glucose Measurement, Glucose Monitoring and Glucose Control in Patients with Type 1 or Type 2 Diabetes in Germany. Experimental and Clinical Endocrinology and Diabetes, 2018, 126, 411-428.	0.6	7
78	Limits to the Evaluation of the Accuracy of Continuous Glucose Monitoring Systems by Clinical Trials. Biosensors, 2018, 8, 50.	2.3	32
79	Definition, classification and diagnostics of diabetes mellitus. Laboratoriums Medizin, 2018, 42, 73-79.	0.1	4
80	Self-measurement of Blood Glucose and Continuous Glucose Monitoring â€“ Is There Only One Future?. European Endocrinology, 2018, 14, 24.	0.8	18
81	Basal Rate Delivery of Different Insulin Pumpsâ€”An Accuracy Evaluation. Diabetes, 2018, 67, .	0.3	0
82	Delivery of Low Basal Rates in Different Insulin Pumpsâ€”An Accuracy Evaluation. Diabetes, 2018, 67, 972-P.	0.3	0
83	Predictors of Hypoglycemia Avoidance in a Randomized Controlled rtCGM Trial (HypoDE). Diabetes, 2018, 67, .	0.3	0
84	The Relationship between A1C and Hypoglycemia in the HypoDE Study. Diabetes, 2018, 67, 9-LB.	0.3	0
85	Boluses in Insulin Therapy. Journal of Diabetes Science and Technology, 2017, 11, 165-171.	1.3	11
86	Bolus Calculator Safety Mandates a Need for Standards. Journal of Diabetes Science and Technology, 2017, 11, 3-6.	1.3	6
87	Accuracy Assessment of an Improved Version of an Established Blood Glucose Monitoring System for Self-Testing Following ISO 15197:2013. Journal of Diabetes Science and Technology, 2017, 11, 851-853.	1.3	1
88	Accuracy Evaluation of Four Blood Glucose Monitoring Systems in the Hands of Intended Users and Trained Personnel Based on ISO 15197 Requirements. Diabetes Technology and Therapeutics, 2017, 19, 246-254.	2.4	16
89	Strengths and Limitations of New Approaches for Graphical Presentation of Blood Glucose Monitoring System Accuracy Data. Journal of Diabetes Science and Technology, 2017, 11, 1226-1230.	1.3	4
90	Introduction of a Novel Smartphone-Coupled Blood Glucose Monitoring System. Journal of Diabetes Science and Technology, 2017, 11, 1231-1233.	1.3	6

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91	Do the New FDA Guidance Documents Help Improving Performance of Blood Glucose Monitoring Systems Compared With ISO 15197?. Journal of Diabetes Science and Technology, 2017, 11, 1240-1246.	1.3	12
92	Insulin Pump Occlusions: For Patients Who Have Been Around the (Infusion) Block. Journal of Diabetes Science and Technology, 2017, 11, 451-454.	1.3	23
93	Replacement of Blood Glucose Measurements by Measurements With Systems for Real-Time Continuous Glucose Monitoring (rtCGM) or CGM With Intermittent Scanning (iscCGM): A German View. Journal of Diabetes Science and Technology, 2017, 11, 653-656.	1.3	4
94	ISO 15197: 2013 Evaluation of a Blood Glucose Monitoring Systemâ€™s Measurement Accuracy. Journal of Diabetes Science and Technology, 2017, 11, 1275-1276.	1.3	28
95	Improved Glycemic Control in a Patient Group Performing 7-Point Profile Self-Monitoring of Blood Glucose and Intensive Data Documentation: An Open-Label, Multicenter, Observational Study. Diabetes Therapy, 2017, 8, 1079-1085.	1.2	10
96	Evaluation of Accuracy of Six Blood Glucose Monitoring Systems and Modeling of Possibly Related Insulin Dosing Errors. Diabetes Technology and Therapeutics, 2017, 19, 580-588.	2.4	18
97	Randomized Cross-Over Study Comparing Two Infusion Sets for CSII in Daily Life. Journal of Diabetes Science and Technology, 2017, 11, 253-259.	1.3	12
98	Significance and Reliability of MARD for the Accuracy of CGM Systems. Journal of Diabetes Science and Technology, 2017, 11, 59-67.	1.3	80
99	SPECTRUM. Journal of Diabetes Science and Technology, 2017, 11, 284-289.	1.3	31
100	HbA1c-POC-Systeme zur Therapiekontrolle und Diagnostik des Diabetes: Ausreichende QualitÃt und QualitÃtskontrolle?. Laboratoriums Medizin, 2017, 41, .	0.1	1
101	Self-Monitoring of Blood Glucose. Diabetes Technology and Therapeutics, 2016, 18, S-3-S-9.	2.4	6
102	Identification of CGM Time Delays and Implications for BG Control in T1DM. IFMBE Proceedings, 2016, , 190-195.	0.2	6
103	Interferences and Limitations in Blood Glucose Self-Testing. Journal of Diabetes Science and Technology, 2016, 10, 1161-1168.	1.3	69
104	Comment on â€œThe Performance and Usability of a Factory-Calibrated Flash Glucose Monitoring Systemâ€•by Bailey et al.. Diabetes Technology and Therapeutics, 2016, 18, 334-335.	2.4	6
105	Deviation analysis of clinical studies as tool to tune and assess performance of diabetes control algorithms. , 2016, , .		9
106	Usability of Medical Devices for Patients With Diabetes Who Are Visually Impaired or Blind. Journal of Diabetes Science and Technology, 2016, 10, 1382-1387.	1.3	18
107	Accuracy Evaluation of an Integrated Blood Glucose Monitoring System With Improved Test Cassettes Following ISO 15197:2013. Journal of Diabetes Science and Technology, 2016, 10, 242-244.	1.3	3
108	Performance of two updated blood glucose monitoring systems: an evaluation following ISO 15197:2013. Current Medical Research and Opinion, 2016, 32, 847-855.	0.9	6

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109	Accuracy of BG Meters and CGM Systems: Possible Influence Factors for the Glucose Prediction Based on Tissue Glucose Concentrations. Lecture Notes in Bioengineering, 2016, , 31-42.	0.3	3
110	The Rectangle Target Plot. Journal of Diabetes Science and Technology, 2016, 10, 343-349.	1.3	6
111	Can We Use Measurements to Classify Patients Suffering from Type 1 Diabetes into Subcategories and Does It Make Sense?. Lecture Notes in Bioengineering, 2016, , 57-78.	0.3	1
112	Aktualisierte Anforderungen an die MessqualitÃt und QualitÃtssicherung (QS) von Point-of-Care-Testing (POCT)-Blutglukose-Messsystemen mit Unit-use Reagenzien, die fÃ¼r die Erstdiagnostik eines manifesten Diabetes in der Schwangerschaft oder eines Gestationsdiabetes mellitus (GDM) gemÃÃŸ der GDM-Leitlinie der Deutschen Diabetes-Gesellschaft (DDG) geeignet sind. Laboratoriums Medizin, 2015, 39, .	0.1	2
113	Performance assessment of estimation methods for CIR/ISF in bolus calculatorsâˆ—âˆ—This work has been supported by the Linz Center of Mechatronics (LCM) in the framework of the Austrian COMET-K2 program. IFAC-PapersOnLine, 2015, 48, 231-236.	0.5	8
114	Identification of diurnal patterns in insulin action from measured CGM data for patients with T1DM. , 2015, , .		9
115	Performance Comparison of CGM Systems. Journal of Diabetes Science and Technology, 2015, 9, 1030-1040.	1.3	35
116	ISO 15197:2013 Accuracy Evaluation of Two CE-Marked Systems for Self-Monitoring of Blood Glucose. Journal of Diabetes Science and Technology, 2015, 9, 934-935.	1.3	3
117	Continuous glucose monitoring in people with diabetes: the randomized controlled Glucose Level Awareness in Diabetes Study (<scp>GLADIS</scp>). Diabetic Medicine, 2015, 32, 609-617.	1.2	55
118	CGM Versus FGM; or, Continuous Glucose Monitoring Is Not Flash Glucose Monitoring. Journal of Diabetes Science and Technology, 2015, 9, 947-950.	1.3	95
119	Accuracy Evaluation of Four Blood Glucose Monitoring Systems in Unaltered Blood Samples in the Low Glycemic Range and Blood Samples in the Concentration Range Defined by ISO 15197. Diabetes Technology and Therapeutics, 2015, 17, 625-634.	2.4	28
120	Rate-of-Change Dependence of the Performance of Two CGM Systems During Induced Glucose Swings. Journal of Diabetes Science and Technology, 2015, 9, 801-807.	1.3	68
121	Quality of HbA1c Measurement in the Practice. Journal of Diabetes Science and Technology, 2015, 9, 687-695.	1.3	30
122	System Accuracy Evaluation of Four Systems for Self-Monitoring of Blood Glucose Following ISO 15197 Using a Glucose Oxidase and a Hexokinase-Based Comparison Method. Journal of Diabetes Science and Technology, 2015, 9, 1041-1050.	1.3	30
123	Analytical Performance Requirements for Systems for Self-Monitoring of Blood Glucose With Focus on System Accuracy. Journal of Diabetes Science and Technology, 2015, 9, 885-894.	1.3	51
124	Time Delay of CGM Sensors. Journal of Diabetes Science and Technology, 2015, 9, 1006-1015.	1.3	101
125	System Accuracy Evaluation of Different Blood Glucose Monitoring Systems Following ISO 15197:2013 by Using Two Different Comparison Methods. Diabetes Technology and Therapeutics, 2015, 17, 635-648.	2.4	40
126	Performance of Blood Glucose Meters in the Low-Glucose Range: Current Evaluations Indicate That It Is Not Sufficient From a Clinical Point of View. Diabetes Care, 2015, 38, e139-e140.	4.3	49

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127	Self-Monitoring of Blood Glucose. Journal of Diabetes Science and Technology, 2014, 8, 1239-1240.	1.3	5
128	Accuracy Assessment of an Advanced Blood Glucose Monitoring System for Self-Testing With Three Reagent System Lots Following ISO 15197:2013. Journal of Diabetes Science and Technology, 2014, 8, 1241-1242.	1.3	5
129	Use of Microdialysis-Based Continuous Glucose Monitoring to Drive Real-Time Semi-Closed-Loop Insulin Infusion. Journal of Diabetes Science and Technology, 2014, 8, 1074-1080.	1.3	4
130	Accuracy Evaluation of Three Systems for Self-monitoring of Blood Glucose With Three Different Test Strip Lots Following ISO 15197. Journal of Diabetes Science and Technology, 2014, 8, 422-424.	1.3	5
131	LMI-based online estimation of a time-varying time-delay in continuous glucose measurement devices. , 2014, , .		2
132	Model of the glucose-insulin system of type-1 diabetics and optimization-based bolus calculation. , 2014, , .		0
133	Accuracy Assessment of Two Novel Systems for Self-Monitoring of Blood Glucose Following ISO 15197:2013. Journal of Diabetes Science and Technology, 2014, 8, 906-908.	1.3	11
134	Short-term prediction of blood glucose concentration using interval probabilistic models. , 2014, , .		10
135	Evaluation of 12 Blood Glucose Monitoring Systems for Self-Testing: System Accuracy and Measurement Reproducibility. Diabetes Technology and Therapeutics, 2014, 16, 113-122.	2.4	67
136	System accuracy evaluation of systems for point-of-care testing of blood glucose: a comparison of a patient-use system with six professional-use systems. Clinical Chemistry and Laboratory Medicine, 2014, 52, 1079-86.	1.4	25
137	Impact of Partial Pressure of Oxygen in Blood Samples on the Performance of Systems for Self-Monitoring of Blood Glucose. Diabetes Technology and Therapeutics, 2014, 16, 156-165.	2.4	15
138	Performance Evaluation of Three Continuous Glucose Monitoring Systems: Comparison of Six Sensors Per Subject in Parallel. Journal of Diabetes Science and Technology, 2013, 7, 842-853.	1.3	62
139	Influence of Partial Pressure of Oxygen in Blood Samples on Measurement Performance in Glucose-Oxidase-Based Systems for Self-Monitoring of Blood Glucose. Journal of Diabetes Science and Technology, 2013, 7, 1513-1521.	1.3	23
140	Effect of Infusion Rate and Indwelling Time on Tissue Resistance Pressure in Small-Volume Subcutaneous Infusion like in Continuous Subcutaneous Insulin Infusion. Diabetes Technology and Therapeutics, 2013, 15, 289-294.	2.4	16
141	System Accuracy of Blood Glucose Monitoring Systems: Impact of Use by Patients and Ambient Conditions. Diabetes Technology and Therapeutics, 2013, 15, 889-896.	2.4	24
142	Continuous Glucose Monitoring: Evidence and Consensus Statement for Clinical Use. Journal of Diabetes Science and Technology, 2013, 7, 500-519.	1.3	67
143	Considerations for an Institution for Evaluation of Diabetes Technology Devices to Improve Their Quality in the European Union. Journal of Diabetes Science and Technology, 2013, 7, 542-547.	1.3	10
144	Performance Evaluation of a Continuous Glucose Monitoring System under Conditions Similar to Daily Life. Journal of Diabetes Science and Technology, 2013, 7, 833-841.	1.3	31

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145	Assessing the Analytical Performance of Systems for Self-Monitoring of Blood Glucose: Concepts of Performance Evaluation and Definition of Metrological Key Terms. Journal of Diabetes Science and Technology, 2013, 7, 1585-1594.	1.3	16
146	Evaluation of the Performance of a Novel System for Continuous Glucose Monitoring. Journal of Diabetes Science and Technology, 2013, 7, 815-823.	1.3	49
147	In Response to Teodorczyk and Coauthors: System Accuracy of Blood Glucose Monitoring Devices According to the Current and Proposed ISO 15197 Standards. Journal of Diabetes Science and Technology, 2013, 7, 1659-1660.	1.3	2
148	Partial Pressure of Oxygen in Capillary Blood Samples from the Fingertip. Journal of Diabetes Science and Technology, 2013, 7, 1648-1649.	1.3	22
149	Lot-to-Lot Variability of Test Strips and Accuracy Assessment of Systems for Self-Monitoring of Blood Glucose according to ISO 15197. Journal of Diabetes Science and Technology, 2012, 6, 1076-1086.	1.3	82
150	Increasing Local Blood Flow by Warming the Application Site: Beneficial Effects on Postprandial Glycemic Excursions. Journal of Diabetes Science and Technology, 2012, 6, 780-785.	1.3	16
151	System Accuracy Evaluation of 43 Blood Glucose Monitoring Systems for Self-Monitoring of Blood Glucose according to DIN EN ISO 15197. Journal of Diabetes Science and Technology, 2012, 6, 1060-1075.	1.3	209
152	Clinical Performance of a Device That Applies Local Heat to the Insulin Infusion Site: A Crossover Study. Journal of Diabetes Science and Technology, 2012, 6, 320-327.	1.3	15
153	Feasibility of Overnight Closed-Loop Control Based on Hourly Blood Glucose Measurements. Journal of Diabetes Science and Technology, 2012, 6, 902-909.	1.3	6
154	Accuracy in Blood Glucose Measurement: What Will a Tightening of Requirements Yield?. Journal of Diabetes Science and Technology, 2012, 6, 435-443.	1.3	19
155	Integrated Self-Monitoring of Blood Glucose System: Handling Step Analysis. Journal of Diabetes Science and Technology, 2012, 6, 938-946.	1.3	7
156	Clinical Performance of Three Bolus Calculators in Subjects with Type 1 Diabetes Mellitus: A Head-to-Head-to-Head Comparison. Diabetes Technology and Therapeutics, 2010, 12, 955-961.	2.4	36
157	System Accuracy Evaluation of 27 Blood Glucose Monitoring Systems According to DIN EN ISO 15197. Diabetes Technology and Therapeutics, 2010, 12, 221-231.	2.4	160
158	The Clinical Research Tool: A High-Performance Microdialysis-Based System for Reliably Measuring Interstitial Fluid Glucose Concentration. Journal of Diabetes Science and Technology, 2009, 3, 468-477.	1.3	3
159	Glucose monitoring by microdialysis: performance in a multicentre study. Diabetic Medicine, 2009, 26, 714-721.	1.2	21
160	The Circadian Study:: The Get-Up Phenomenon in Type 1 Diabetes. Diabetes Care, 2008, 31, e85-e85.	4.3	2
161	Continuous Glucose Profiles in Healthy Subjects under Everyday Life Conditions and after Different Meals. Journal of Diabetes Science and Technology, 2007, 1, 695-703.	1.3	122
162	Recent advances in continuous glucose monitoring. Experimental and Clinical Endocrinology and Diabetes, 2001, 109, S347-S357.	0.6	29

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163	Accuracy Evaluation of a Novel Reusable Patch Pump Prototype. Journal of Diabetes Science and Technology, 0, , 193229682210979.	1.3	0