

Roman Hovorka

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

298
papers

12,879
citations

55
h-index

106
g-index

322
ext. papers

15,546
ext. citations

7.9
avg, IF

6.58
L-index

#	Paper	IF	Citations
298	Randomized Trial of Closed-Loop Control in Very Young Children with Type 1 Diabetes.. <i>New England Journal of Medicine</i> , 2022 , 386, 209-219	59.2	16
297	Hybrid closed-loop glucose control compared with sensor augmented pump therapy in older adults with type 1 diabetes: an open-label multicentre, multinational, randomised, crossover study.. <i>The Lancet Healthy Longevity</i> , 2022 , 3, e135-e142	9.5	5
296	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> , 2022 , 19322968221085273	4.1	273
295	Parents' experiences of using remote monitoring technology to manage type 1 diabetes in very young children during a clinical trial: qualitative study.. <i>Diabetic Medicine</i> , 2022 , e14828	3.5	3
294	AiDAPT: automated insulin delivery amongst pregnant women with type 1 diabetes: a multicentre randomized controlled trial - study protocol.. <i>BMC Pregnancy and Childbirth</i> , 2022 , 22, 282	3.2	2
293	Parents' experiences of using a hybrid closed-loop system (CamAPS FX) to care for a very young child with type 1 diabetes: qualitative study.. <i>Diabetes Research and Clinical Practice</i> , 2022 , 109877	7.4	2
292	Metabolism clinical & experimental - Recent advances in closed-loop insulin delivery. <i>Metabolism: Clinical and Experimental</i> , 2021 , 154953	12.7	4
291	Continuous glucose monitoring in extremely preterm infants in intensive care: the REACT RCT and pilot study of closed-loop technology. <i>Efficacy and Mechanism Evaluation</i> , 2021 , 8, 1-142	1.7	0
290	Hybrid closed-loop glucose control with faster insulin aspart compared with standard insulin aspart in adults with type 1 diabetes: A double-blind, multicentre, multinational, randomized, crossover study. <i>Diabetes, Obesity and Metabolism</i> , 2021 , 23, 1389-1396	6.7	25
289	Data Sharing While Using a Closed-Loop System: Qualitative Study of Adolescents' and Parents' Experiences and Views. <i>Diabetes Technology and Therapeutics</i> , 2021 , 23, 500-507	8.1	3
288	Real-time continuous glucose monitoring in preterm infants (REACT): an international, open-label, randomised controlled trial. <i>The Lancet Child and Adolescent Health</i> , 2021 , 5, 265-273	14.5	9
287	Benefits and Challenges of Current Closed-Loop Technologies in Children and Young People With Type 1 Diabetes. <i>Frontiers in Pediatrics</i> , 2021 , 9, 679484	3.4	2
286	Parents' experiences of caring for a young child with type 1 diabetes: a systematic review and synthesis of qualitative evidence. <i>BMC Pediatrics</i> , 2021 , 21, 160	2.6	11
285	User Engagement With the CamAPS FX Hybrid Closed-Loop App According to Age and User Characteristics. <i>Diabetes Care</i> , 2021 , 44, e148-e150	14.6	2
284	Day-to-day variability of insulin requirements in the inpatient setting: Observations during fully closed-loop insulin delivery. <i>Diabetes, Obesity and Metabolism</i> , 2021 , 23, 1978-1982	6.7	3
283	Technology in the management of type 2 diabetes: Present status and future prospects. <i>Diabetes, Obesity and Metabolism</i> , 2021 , 23, 1722-1732	6.7	6
282	214-OR: Cambridge Hybrid Closed-Loop in Children and Adolescents with T1D: A Multicentre Six-Month Randomised Trial. <i>Diabetes</i> , 2021 , 70, 214-OR	0.9	1

281	Adolescents' Experiences of Using a Smartphone Application Hosting a Closed-loop Algorithm to Manage Type 1 Diabetes in Everyday Life: Qualitative Study. <i>Journal of Diabetes Science and Technology</i> , 2021 , 15, 1042-1051	4.1	4
280	Closed-loop technology: a practical guide. <i>Practical Diabetes</i> , 2021 , 38, 33-39	0.7	1
279	Estimated HbA and glucose management indicator (GMI): are they the same?. <i>Diabetic Medicine</i> , 2021 , 38, e14423	3.5	4
278	Effect of fully automated closed-loop insulin delivery using faster aspart versus standard aspart on gluco-regulatory hormones in type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2021 , 23, 228-233	6.7	
277	Resistant Starch Production and Glucose Release from Pre-Prepared Chilled Food: The SPUD Project. <i>Nutrition Bulletin</i> , 2021 , 46, 52-59	3.5	0
276	Effect of nutrition on postprandial glucose control in hospitalized patients with type 2 diabetes receiving fully automated closed-loop insulin therapy. <i>Diabetes, Obesity and Metabolism</i> , 2021 , 23, 234-239	6.7	0
275	Adolescents' and their parents' experiences of using a closed-loop system to manage type 1 diabetes in everyday life: qualitative study. <i>Chronic Illness</i> , 2021 , 1742395320985924	1.4	6
274	Assessing the efficacy, safety and utility of closed-loop insulin delivery compared with sensor-augmented pump therapy in very young children with type 1 diabetes (KidsAP02 study): an open-label, multicentre, multinational, randomised cross-over study protocol. <i>BMJ Open</i> , 2021 , 11, e042790	3	5
273	New closed-loop insulin systems. <i>Diabetologia</i> , 2021 , 64, 1007-1015	10.3	39
272	Optimizing the use of technology to support people with diabetes: research recommendations from Diabetes UK's 2019 diabetes and technology workshop. <i>Diabetic Medicine</i> , 2021 , 38, e14647	3.5	0
271	Psychological Well-Being of Parents of Very Young Children With Type 1 Diabetes - Baseline Assessment. <i>Frontiers in Endocrinology</i> , 2021 , 12, 721028	5.7	0
270	Fully automated closed-loop glucose control compared with standard insulin therapy in adults with type 2 diabetes requiring dialysis: an open-label, randomized crossover trial. <i>Nature Medicine</i> , 2021 , 27, 1471-1476	50.5	4
269	COVID-19 and Diabetes: Could Diabetes Technology Research Help Pave the Way for Remote Healthcare?. <i>Journal of Diabetes Science and Technology</i> , 2020 , 14, 735-736	4.1	6
268	Pharmacokinetics of Faster and Standard Insulin Aspart During Fully Closed-Loop Insulin Delivery in Type 2 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2020 , 22, 691-696	8.1	3
267	Closed-loop control in insulin pumps for type-1 diabetes mellitus: safety and efficacy. <i>Expert Review of Medical Devices</i> , 2020 , 17, 707-720	3.5	21
266	Closed-loop insulin delivery system enhances type 1 diabetes glycemic control. <i>Journal of Pediatrics</i> , 2020 , 218, 259-262	3.6	1
265	What Training, Support, and Resourcing Do Health Professionals Need to Support People Using a Closed-Loop System? A Qualitative Interview Study with Health Professionals Involved in the Closed Loop from Onset in Type 1 Diabetes (CLOuD) Trial. <i>Diabetes Technology and Therapeutics</i> , 2020 , 22, 468-475	8.1	11
264	A qualitative study of clinician attitudes towards closed-loop systems in mainstream diabetes care in England. <i>Diabetic Medicine</i> , 2020 , 37, 1023-1029	3.5	8

263	Duration of Hybrid Closed-Loop Insulin Therapy to Achieve Representative Glycemic Outcomes in Adults With Type 1 Diabetes. <i>Diabetes Care</i> , 2020 , 43, e38-e39	14.6	11
262	Feasibility of automated insulin delivery guided by continuous glucose monitoring in preterm infants. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2020 , 105, 279-284	4.7	10
261	Assessing the effect of closed-loop insulin delivery from onset of type 1 diabetes in youth on residual beta-cell function compared to standard insulin therapy (CLOuD study): a randomised parallel study protocol. <i>BMJ Open</i> , 2020 , 10, e033500	3	9
260	Who Should Access Closed-Loop Technology? A Qualitative Study of Clinician Attitudes in England. <i>Diabetes Technology and Therapeutics</i> , 2020 , 22, 404-410	8.1	6
259	Automated Insulin Delivery in Adults. <i>Endocrinology and Metabolism Clinics of North America</i> , 2020 , 49, 167-178	5.5	9
258	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	4.1	26
257	Training and Support for Hybrid Closed-Loop Therapy. <i>Journal of Diabetes Science and Technology</i> , 2020 , 1932296820955168	4.1	7
256	The artificial pancreas. <i>Current Opinion in Organ Transplantation</i> , 2020 , 25, 336-342	2.5	12
255	Health professionals' views about who would benefit from using a closed-loop system: a qualitative study. <i>Diabetic Medicine</i> , 2020 , 37, 1030-1037	3.5	13
254	Evaluating Glucose Control With a Novel Composite Continuous Glucose Monitoring Index. <i>Journal of Diabetes Science and Technology</i> , 2020 , 14, 277-283	4.1	15
253	Novel Single-Site Device for Conjoined Glucose Sensing and Insulin Infusion: Performance Evaluation in Diabetes Patients During Home-Use. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 323-332	5	8
252	Short-term fully closed-loop insulin delivery using faster insulin aspart compared with standard insulin aspart in type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2019 , 21, 2718-2722	6.7	8
251	The importance of prandial insulin bolus timing with hybrid closed-loop systems. <i>Diabetic Medicine</i> , 2019 , 36, 1716-1717	3.5	8
250	Home Use of Day-and-Night Hybrid Closed-Loop Insulin Delivery in Very Young Children: A Multicenter, 3-Week, Randomized Trial. <i>Diabetes Care</i> , 2019 , 42, 594-600	14.6	49
249	Lixisenatide Reduces Chylomicron Triacylglycerol by Increased Clearance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 359-368	5.6	12
248	Young Children Have Higher Variability of Insulin Requirements: Observations During Hybrid Closed-Loop Insulin Delivery. <i>Diabetes Care</i> , 2019 , 42, 1344-1347	14.6	36
247	Clinical Targets for Continuous Glucose Monitoring Data Interpretation: Recommendations From the International Consensus on Time in Range. <i>Diabetes Care</i> , 2019 , 42, 1593-1603	14.6	998
246	Assessing the efficacy, safety and utility of 6-month day-and-night automated closed-loop insulin delivery under free-living conditions compared with insulin pump therapy in children and adolescents with type 1 diabetes: an open-label, multicentre, multinational, single-period, randomised, parallel group study protocol. <i>BMJ Open</i> , 2019 , 9, e027056	3	9

245	Reduced burden of diabetes and improved quality of life: Experiences from unrestricted day-and-night hybrid closed-loop use in very young children with type 1 diabetes. <i>Pediatric Diabetes</i> , 2019 , 20, 794-799	3.6	43
244	Closed-loop insulin delivery in end-of-life care: a case report. <i>Diabetic Medicine</i> , 2019 , 36, 1711-1714	3.5	3
243	Broadening the Debate About Post-trial Access to Medical Interventions: A Qualitative Study of Participant Experiences at the End of a Trial Investigating a Medical Device to Support Type 1 Diabetes Self-Management. <i>AJOB Empirical Bioethics</i> , 2019 , 10, 100-112	3	12
242	Advances in artificial pancreas systems. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	27
241	Fully closed-loop insulin delivery improves glucose control of inpatients with type 2 diabetes receiving hemodialysis. <i>Kidney International</i> , 2019 , 96, 593-596	9.9	21
240	Fully closed-loop insulin delivery in inpatients receiving nutritional support: a two-centre, open-label, randomised controlled trial. <i>Lancet Diabetes and Endocrinology</i> , 2019 , 7, 368-377	18.1	31
239	Lower plasma insulin levels during overnight closed-loop in school children with type 1 diabetes: Potential advantage? A randomized cross-over trial. <i>PLoS ONE</i> , 2019 , 14, e0212013	3.7	5
238	Participants' Experiences of, and Views About, Daytime Use of a Day-and-Night Hybrid Closed-Loop System in Real Life Settings: Longitudinal Qualitative Study. <i>Diabetes Technology and Therapeutics</i> , 2019 , 21, 119-127	8.1	33
237	Glucose Management Indicator (GMI): Insights and Validation Using Guardian 3 and Navigator 2 Sensor Data. <i>Diabetes Care</i> , 2019 , 42, e60-e61	14.6	13
236	1039-P: Hybrid Closed-Loop in Adults with Type 1 Diabetes: Impact of Baseline A1c on Glucose Outcomes and Insulin Delivery. <i>Diabetes</i> , 2019 , 68, 1039-P	0.9	
235	1047-P: Can Closed-Loop Overcome High Day-to-Day Variability of Insulin Needs in Inpatients on General Wards?. <i>Diabetes</i> , 2019 , 68, 1047-P	0.9	
234	1046-P: Day-to-Day Variability of Insulin Requirements in Inpatients on General Wards. <i>Diabetes</i> , 2019 , 68, 1046-P	0.9	
233	79-OR: Fully Closed-Loop Using Faster vs. Standard Aspart in Type 2 Diabetes (T2D): A Double-Blind Randomised Crossover Trial. <i>Diabetes</i> , 2019 , 68, 79-OR	0.9	
232	115-LB: Optimal Sampling Duration of Hybrid Closed-Loop Therapy to Determine Long-Term Glycemic Control in Adults with Type 1 Diabetes. <i>Diabetes</i> , 2019 , 68, 115-LB	0.9	
231	Closed-loop management of inpatient hyperglycaemia. <i>British Journal of Hospital Medicine (London, England: 2005)</i> , 2019 , 80, 665-669	0.8	1
230	Is an artificial pancreas (closed-loop system) for Type 1 diabetes effective?. <i>Diabetic Medicine</i> , 2019 , 36, 279-286	3.5	42
229	The impact of using a closed-loop system on food choices and eating practices among people with Type 1 diabetes: a qualitative study involving adults, teenagers and parents. <i>Diabetic Medicine</i> , 2019 , 36, 753-760	3.5	19
228	Mixed-meal tolerance test to assess residual beta-cell secretion: Beyond the area-under-curve of plasma C-peptide concentration. <i>Pediatric Diabetes</i> , 2019 , 20, 282-285	3.6	5

227	Hypoglycaemia incidence and recovery during home use of hybrid closed-loop insulin delivery in adults with type 1 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2018 , 20, 2004-2008	6.7	9
226	Bridging technology and clinical practice: innovating inpatient hyperglycaemia management in non-critical care settings. <i>Diabetic Medicine</i> , 2018 , 35, 460-471	3.5	12
225	Glucose-responsive insulin delivery for type 1 diabetes: The artificial pancreas story. <i>International Journal of Pharmaceutics</i> , 2018 , 544, 309-318	6.5	23
224	Artificial pancreas treatment for outpatients with type 1 diabetes: systematic review and meta-analysis. <i>BMJ, The</i> , 2018 , 361, k1310	5.9	192
223	Day-and-Night Closed-Loop Insulin Delivery in a Broad Population of Pregnant Women With Type 1 Diabetes: A Randomized Controlled Crossover Trial. <i>Diabetes Care</i> , 2018 , 41, 1391-1399	14.6	66
222	Bolusing frequency and amount impacts glucose control during hybrid closed-loop. <i>Diabetic Medicine</i> , 2018 , 35, 347-351	3.5	4
221	Improving glycemic control in critically ill patients: personalized care to mimic the endocrine pancreas. <i>Critical Care</i> , 2018 , 22, 182	10.8	32
220	Patients' and caregivers' experiences of using continuous glucose monitoring to support diabetes self-management: qualitative study. <i>BMC Endocrine Disorders</i> , 2018 , 18, 12	3.3	61
219	Fully Closed-Loop Glucose Control in Noncritical Care Settings: A Randomised, Controlled Two-Centre Study. <i>Diabetes</i> , 2018 , 67, 350-OR	0.9	
218	Looking Beyond HbA1c: Evaluating Glycaemic Control during Closed-Loop Use in Type 1 Diabetes. <i>Diabetes</i> , 2018 , 67, 973-P	0.9	
217	A Novel Composite Glucose Index (COGI) for Evaluating Closed-Loop Performance in Type 1 Diabetes. <i>Diabetes</i> , 2018 , 67, 926-P	0.9	
216	Adaptability of Closed-Loop during Labor, Delivery, and Postpartum: A Secondary Analysis of Data From Two Randomized Crossover Trials in Type 1 Diabetes Pregnancy. <i>Diabetes</i> , 2018 , 67, 1432-P	0.9	
215	Closed-Loop Insulin for Glycemic Control in Noncritical Care. <i>New England Journal of Medicine</i> , 2018 , 379, 1970-1971	59.2	5
214	Women's Experiences of Day-and-Night Closed-Loop Insulin Delivery During Type 1 Diabetes Pregnancy. <i>Journal of Diabetes Science and Technology</i> , 2018 , 12, 1125-1131	4.1	16
213	Closed-loop insulin delivery in suboptimally controlled type 1 diabetes: a multicentre, 12-week randomised trial. <i>Lancet, The</i> , 2018 , 392, 1321-1329	40	183
212	Technology in the management of type 1 diabetes mellitus - current status and future prospects. <i>Nature Reviews Endocrinology</i> , 2018 , 14, 464-475	15.2	67
211	Adaptability of Closed Loop During Labor, Delivery, and Postpartum: A Secondary Analysis of Data from Two Randomized Crossover Trials in Type 1 Diabetes Pregnancy. <i>Diabetes Technology and Therapeutics</i> , 2018 , 20, 501-505	8.1	11
210	Closed-Loop Insulin Delivery for Glycemic Control in Noncritical Care. <i>New England Journal of Medicine</i> , 2018 , 379, 547-556	59.2	100

209	Rapid Benefits of Structured Optimization and Sensor-Augmented Insulin Pump Therapy in Adults With Type 1 Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2017 , 11, 180-181	4.1	3
208	Modelling the effect of insulin on the disposal of meal-attributable glucose in type 1 diabetes. <i>Medical and Biological Engineering and Computing</i> , 2017 , 55, 271-282	3.1	5
207	Closed-loop for type 1 diabetes - an introduction and appraisal for the generalist. <i>BMC Medicine</i> , 2017 , 15, 14	11.4	24
206	Day-and-night glycaemic control with closed-loop insulin delivery versus conventional insulin pump therapy in free-living adults with well controlled type 1 diabetes: an open-label, randomised, crossover study. <i>Lancet Diabetes and Endocrinology,the</i> , 2017 , 5, 261-270	18.1	93
205	Faster insulin action is associated with improved glycaemic outcomes during closed-loop insulin delivery and sensor-augmented pump therapy in adults with type 1 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2017 , 19, 1485-1489	6.7	6
204	Closing the Loop in Adults, Children and Adolescents With Suboptimally Controlled Type 1 Diabetes Under Free Living Conditions: A Psychosocial Substudy. <i>Journal of Diabetes Science and Technology</i> , 2017 , 11, 1080-1088	4.1	66
203	Finding the right route for insulin delivery - an overview of implantable pump therapy. <i>Expert Opinion on Drug Delivery</i> , 2017 , 14, 1103-1111	8	22
202	Insulin delivery and nocturnal glucose control in children and adolescents with type 1 diabetes. <i>Expert Opinion on Drug Delivery</i> , 2017 , 14, 1367-1377	8	4
201	Impact of liver fat on the differential partitioning of hepatic triacylglycerol into VLDL subclasses on high and low sugar diets. <i>Clinical Science</i> , 2017 , 131, 2561-2573	6.5	17
200	Sensor mightier than pump-the jury is still out. <i>Lancet Diabetes and Endocrinology,the</i> , 2017 , 5, 672-673	18.1	
199	Assessing the effectiveness of a 3-month day-and-night home closed-loop control combined with pump suspend feature compared with sensor-augmented pump therapy in youths and adults with suboptimally controlled type 1 diabetes: a randomised parallel study protocol. <i>BMJ Open</i> , 2017 , 7, e016738	3	13
198	International Consensus on Use of Continuous Glucose Monitoring. <i>Diabetes Care</i> , 2017 , 40, 1631-1640	14.6	872
197	Experiences of closed-loop insulin delivery among pregnant women with Type 1 diabetes. <i>Diabetic Medicine</i> , 2017 , 34, 1461-1469	3.5	29
196	Closed-loop insulin delivery in inpatients with type 2 diabetes: a randomised, parallel-group trial. <i>Lancet Diabetes and Endocrinology,the</i> , 2017 , 5, 117-124	18.1	59
195	Glucose Monitoring and Insulin Pump Therapy in the Management of Children and Adolescents with Type 1 Diabetes 2017 , 163-172		
194	Modeling Day-to-Day Variability of Glucose-Insulin Regulation Over 12-Week Home Use of Closed-Loop Insulin Delivery. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 1412-1419	5	33
193	Sensor Life and Overnight Closed Loop: A Randomized Clinical Trial. <i>Journal of Diabetes Science and Technology</i> , 2017 , 11, 513-521	4.1	3
192	Behavioral Patterns and Associations with Glucose Control During 12-Week Randomized Free-Living Clinical Trial of Day and Night Hybrid Closed-Loop Insulin Delivery in Adults with Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2017 , 19, 433-437	8.1	10

191	Continuous subcutaneous insulin infusion in diabetes: patient populations, safety, efficacy, and pharmacoeconomics. <i>Diabetes/Metabolism Research and Reviews</i> , 2016 , 32, 21-39	7.5	85
190	Closed-Loop Insulin Delivery during Pregnancy in Women with Type 1 Diabetes. <i>New England Journal of Medicine</i> , 2016 , 375, 644-54	59.2	138
189	Available at a flash: a new way to check glucose. <i>Lancet, The</i> , 2016 , 388, 2213-2214	4.0	2
188	Role of Dual-Hormone Closed-Loop Delivery System in the Future. <i>Diabetes Technology and Therapeutics</i> , 2016 , 18, 452-4	8.1	
187	Diabetes Technology and Therapy in the Pediatric Age Group. <i>Diabetes Technology and Therapeutics</i> , 2016 , 18 Suppl 1, S86-100	8.1	
186	Closing the Loop. <i>Diabetes Technology and Therapeutics</i> , 2016 , 18 Suppl 1, S29-42	8.1	0
185	Variability of Insulin Requirements Over 12 Weeks of Closed-Loop Insulin Delivery in Adults With Type 1 Diabetes. <i>Diabetes Care</i> , 2016 , 39, 830-2	14.6	36
184	Day-and-Night Hybrid Closed-Loop Insulin Delivery in Adolescents With Type 1 Diabetes: A Free-Living, Randomized Clinical Trial. <i>Diabetes Care</i> , 2016 , 39, 1168-74	14.6	86
183	Continuous subcutaneous insulin infusion therapy and multiple daily insulin injections in type 1 diabetes mellitus: a comparative overview and future horizons. <i>Expert Opinion on Drug Delivery</i> , 2016 , 13, 389-400	8	32
182	Coming of age: the artificial pancreas for type 1 diabetes. <i>Diabetologia</i> , 2016 , 59, 1795-805	10.3	151
181	Outcome Measures for Artificial Pancreas Clinical Trials: A Consensus Report. <i>Diabetes Care</i> , 2016 , 39, 1175-9	14.6	149
180	Factors Affecting Recruitment of Participants for Studies of Diabetes Technology in Newly Diagnosed Youth with Type 1 Diabetes: A Qualitative Focus Group Study with Parents and Children. <i>Diabetes Technology and Therapeutics</i> , 2016 , 18, 568-73	8.1	2
179	Glucose Control in the ICU: A Continuing Story. <i>Journal of Diabetes Science and Technology</i> , 2016 , 10, 1372-1381	4.1	49
178	Home Use of Day-and-Night Hybrid Closed-Loop Insulin Delivery in Suboptimally Controlled Adolescents With Type 1 Diabetes: A 3-Week, Free-Living, Randomized Crossover Trial. <i>Diabetes Care</i> , 2016 , 39, 2019-2025	14.6	51
177	Closing the loop. <i>Diabetes Technology and Therapeutics</i> , 2015 , 17 Suppl 1, S27-38	8.1	
176	A diet low in sugar reduces the production of atherogenic lipoproteins in men with high liver fat. <i>Atherosclerosis</i> , 2015 , 241, e46	3.1	2
175	Pharmacokinetics of diluted (U20) insulin aspart compared with standard (U100) in children aged 3-6 years with type 1 diabetes during closed-loop insulin delivery: a randomised clinical trial. <i>Diabetologia</i> , 2015 , 58, 687-90	10.3	15
174	Modelling endogenous insulin concentration in type 2 diabetes during closed-loop insulin delivery. <i>BioMedical Engineering OnLine</i> , 2015 , 14, 19	4.1	11

173	Unsupervised overnight closed loop insulin delivery during free living: analysis of randomised cross-over home studies in adults and adolescents with type 1 diabetes. <i>Lancet, The</i> , 2015 , 385 Suppl 1, S96	4.0	17
172	Holistic Impact of Closed-Loop Technology on People With Type 1 Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2015 , 9, 932-3	4.1	12
171	Artificial Pancreas Project at Cambridge 2013. <i>Diabetic Medicine</i> , 2015 , 32, 987-92	3.5	11
170	Accuracy of Continuous Glucose Monitoring During Three Closed-Loop Home Studies Under Free-Living Conditions. <i>Diabetes Technology and Therapeutics</i> , 2015 , 17, 801-7	8.1	27
169	Unsupervised home use of an overnight closed-loop system over 3-4 weeks: a pooled analysis of randomized controlled studies in adults and adolescents with type 1 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2015 , 17, 452-8	6.7	23
168	Diabetes technology and therapy in the pediatric age group. <i>Diabetes Technology and Therapeutics</i> , 2015 , 17 Suppl 1, S96-S108	8.1	1
167	Perioperative Tight Glucose Control Reduces Postoperative Adverse Events in Nondiabetic Cardiac Surgery Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 3081-9	5.6	49
166	Home Use of an Artificial Beta Cell in Type 1 Diabetes. <i>New England Journal of Medicine</i> , 2015 , 373, 2129-2140	9.2	325
165	The Future of the Artificial Pancreas. <i>Diabetes Technology and Therapeutics</i> , 2015 , 17, 763-5	8.1	3
164	Factors Associated With Glycemic Control During Free-Living Overnight Closed-Loop Insulin Delivery in Children and Adults With Type 1 Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2015 , 9, 1346-7	4.1	4
163	Rapid model exploration for complex hierarchical data: application to pharmacokinetics of insulin aspart. <i>Statistics in Medicine</i> , 2015 , 34, 3144-58	2.3	4
162	Safety, efficacy and glucose turnover of reduced prandial boluses during closed-loop therapy in adolescents with type 1 diabetes: a randomized clinical trial. <i>Diabetes, Obesity and Metabolism</i> , 2015 , 17, 1173-9	6.7	18
161	Psychosocial aspects of closed- and open-loop insulin delivery: closing the loop in adults with Type 1 diabetes in the home setting. <i>Diabetic Medicine</i> , 2015 , 32, 601-8	3.5	71
160	Quantifying the acute changes in glucose with exercise in type 1 diabetes: a systematic review and meta-analysis. <i>Sports Medicine</i> , 2015 , 45, 587-99	10.6	60
159	Feasibility of closed-loop insulin delivery in type 2 diabetes: a randomized controlled study. <i>Diabetes Care</i> , 2014 , 37, 1198-203	14.6	37
158	Glucose control in non-critically ill inpatients with diabetes: towards closed-loop. <i>Diabetes, Obesity and Metabolism</i> , 2014 , 16, 500-9	6.7	14
157	Accuracy of subcutaneous continuous glucose monitoring in critically ill adults: improved sensor performance with enhanced calibrations. <i>Diabetes Technology and Therapeutics</i> , 2014 , 16, 97-101	8.1	33
156	Closing the loop overnight at home setting: psychosocial impact for adolescents with type 1 diabetes and their parents. <i>BMJ Open Diabetes Research and Care</i> , 2014 , 2, e000025	4.5	101

155	Overnight closed-loop insulin delivery in young people with type 1 diabetes: a free-living, randomized clinical trial. <i>Diabetes Care</i> , 2014 , 37, 1204-11	14.6	162
154	Insulin pump therapy in youth with type 1 diabetes: toward closed-loop systems. <i>Expert Opinion on Drug Delivery</i> , 2014 , 11, 943-55	8	16
153	Safety of closed-loop therapy during reduction or omission of meal boluses in adolescents with type 1 diabetes: a randomized clinical trial. <i>Diabetes, Obesity and Metabolism</i> , 2014 , 16, 1174-8	6.7	24
152	Closing the loop. <i>Diabetes Technology and Therapeutics</i> , 2014 , 16 Suppl 1, S23-33	8.1	5
151	Diabetes technology and therapy in the pediatric age group. <i>Diabetes Technology and Therapeutics</i> , 2014 , 16 Suppl 1, S100-9	8.1	
150	Self-monitoring of blood glucose--an overview. <i>Diabetes Technology and Therapeutics</i> , 2014 , 16 Suppl 1, S3-10	8.1	4
149	Continuous glucose control in the ICU: report of a 2013 round table meeting. <i>Critical Care</i> , 2014 , 18, 22610.8	5.8	58
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