

Roberto Visentin

List of Publications by Citations

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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.

40
papers

1,276
citations

18
h-index

35
g-index

41
ext. papers

1,500
ext. citations

6.4
avg, IF

4.21
L-index

#	Paper	IF	Citations
40	2 month evening and night closed-loop glucose control in patients with type 1 diabetes under free-living conditions: a randomised crossover trial. <i>Lancet Diabetes and Endocrinology</i> , 2015 , 3, 939-47	18.1	174
39	Feasibility of outpatient fully integrated closed-loop control: first studies of wearable artificial pancreas. <i>Diabetes Care</i> , 2013 , 36, 1851-8	14.6	143
38	Day-and-Night Closed-Loop Glucose Control in Patients With Type 1 Diabetes Under Free-Living Conditions: Results of a Single-Arm 1-Month Experience Compared With a Previously Reported Feasibility Study of Evening and Night at Home. <i>Diabetes Care</i> , 2016 , 39, 1151-60	14.6	88
37	The UVA/Padova Type 1 Diabetes Simulator Goes From Single Meal to Single Day. <i>Journal of Diabetes Science and Technology</i> , 2018 , 12, 273-281	4.1	86
36	Multicenter outpatient dinner/overnight reduction of hypoglycemia and increased time of glucose in target with a wearable artificial pancreas using modular model predictive control in adults with type 1 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2015 , 17, 468-76	6.7	78
35	First use of model predictive control in outpatient wearable artificial pancreas. <i>Diabetes Care</i> , 2014 , 37, 1212-5	14.6	77
34	Randomized Summer Camp Crossover Trial in 5- to 9-Year-Old Children: Outpatient Wearable Artificial Pancreas Is Feasible and Safe. <i>Diabetes Care</i> , 2016 , 39, 1180-5	14.6	68
33	Circadian variability of insulin sensitivity: physiological input for in silico artificial pancreas. <i>Diabetes Technology and Therapeutics</i> , 2015 , 17, 1-7	8.1	57
32	Toward a Run-to-Run Adaptive Artificial Pancreas: In Silico Results. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 479-488	5	55
31	The university of Virginia/Padova type 1 diabetes simulator matches the glucose traces of a clinical trial. <i>Diabetes Technology and Therapeutics</i> , 2014 , 16, 428-34	8.1	51
30	Multinight "bedside" closed-loop control for patients with type 1 diabetes. <i>Diabetes Technology and Therapeutics</i> , 2015 , 17, 203-9	8.1	47
29	One-Day Bayesian Cloning of Type 1 Diabetes Subjects: Toward a Single-Day UVA/Padova Type 1 Diabetes Simulator. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 2416-2424	5	44
28	Randomized Controlled Trial of a MUFA or Fiber-Rich Diet on Hepatic Fat in Prediabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 1765-1774	5.6	41
27	Individually Adaptive Artificial Pancreas in Subjects with Type 1 Diabetes: A One-Month Proof-of-Concept Trial in Free-Living Conditions. <i>Diabetes Technology and Therapeutics</i> , 2017 , 19, 560-571	8.1	40
26	Personalized blood glucose prediction: A hybrid approach using grammatical evolution and physiological models. <i>PLoS ONE</i> , 2017 , 12, e0187754	3.7	39
25	Improving Efficacy of Inhaled Technosphere Insulin (Afrezza) by Postmeal Dosing: In-silico Clinical Trial with the University of Virginia/Padova Type 1 Diabetes Simulator. <i>Diabetes Technology and Therapeutics</i> , 2016 , 18, 574-85	8.1	24
24	Accuracy of a CGM Sensor in Pediatric Subjects With Type 1 Diabetes. Comparison of Three Insertion Sites: Arm, Abdomen, and Gluteus. <i>Journal of Diabetes Science and Technology</i> , 2017 , 11, 1147-1154	11.4	23

23	Evaluating the Experience of Children With Type 1 Diabetes and Their Parents Taking Part in an Artificial Pancreas Clinical Trial Over Multiple Days in a Diabetes Camp Setting. <i>Diabetes Care</i> , 2016 , 39, 2158-2164	14.6	23
22	Overnight Closed-Loop Control Improves Glycemic Control in a Multicenter Study of Adults With Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 3674-3682	5.6	15
21	Dual glucagon-like peptide-1 receptor/glucagon receptor agonist SAR425899 improves beta-cell function in type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2020 , 22, 640-647	6.7	14
20	Hepatic insulin sensitivity in healthy and prediabetic subjects: from a dual- to a single-tracer oral minimal model. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E161-7	6	12
19	Incorporating Long-Acting Insulin Glargine Into the UVA/Padova Type 1 Diabetes Simulator for In Silico Testing of MDI Therapies. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 2889-2896	5	11
18	Parental evaluation of a telemonitoring service for children with Type 1 Diabetes. <i>Journal of Telemedicine and Telecare</i> , 2018 , 24, 230-237	6.8	11
17	Head-to-Head Comparison of Insulin Glargine 300 U/mL and Insulin Degludec 100 U/mL in Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2020 , 22, 553-561	8.1	9
16	The Padova Type 2 Diabetes Simulator from Triple-Tracer Single-Meal Studies: Trials Also Possible in Rare but Not-So-Rare Individuals. <i>Diabetes Technology and Therapeutics</i> , 2020 , 22, 892-903	8.1	8
15	Improved postprandial glucose metabolism in type 2 diabetes by the dual glucagon-like peptide-1/glucagon receptor agonist SAR425899 in comparison with liraglutide. <i>Diabetes, Obesity and Metabolism</i> , 2021 , 23, 1795-1805	6.7	8
14	Mechanisms of hyperinsulinaemia in apparently healthy non-obese young adults: role of insulin secretion, clearance and action and associations with plasma amino acids. <i>Diabetologia</i> , 2019 , 62, 2310-2324	10.3	7
13	Modeling Subcutaneous Absorption of Long-Acting Insulin Glargine in Type 1 Diabetes. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 624-631	5	7
12	A Hybrid Clustering Prediction for Type 1 Diabetes Aid: Towards Decision Support Systems Based upon Scenario Profile Analysis 2017 ,		4
11	Effects of the Novel Dual GLP-1R/GCGR Agonist SAR425899 on Postprandial Glucose Metabolism in Overweight/Obese Subjects with Type 2 Diabetes. <i>Diabetes</i> , 2018 , 67, 72-OR	0.9	4
10	Physiological models for artificial pancreas development 2019 , 123-152		2
9	Incorporation of inhaled insulin into the FDA accepted University of Virginia/Padova Type 1 Diabetes Simulator. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 3250-3	0.9	1
8	1856-P: Hepatic Insulin Clearance Is Not Driven by Liver Fat but by Systemic Inflammation: A Mendelian Randomization Study. <i>Diabetes</i> , 2020 , 69, 1856-P	0.9	1
7	In Silico Cloning of Target Type 2 Diabetes Population for Treatments Development and Decision Support. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2020 , 2020, 5111-5114	0.9	1
6	Determinants of hepatic insulin clearance - Results from a Mendelian Randomization study. <i>Metabolism: Clinical and Experimental</i> , 2021 , 119, 154776	12.7	1

5	A Model of Acetaminophen Pharmacokinetics and its Effect on Continuous Glucose Monitoring Sensor Measurements. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2018-2018, 159-162</i>	0.9	1
4	Long-acting Insulin in Diabetes Therapy: In Silico Clinical Trials with the UVA/Padova Type 1 Diabetes Simulator. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2018, 4905-4908</i>	0.9	1
3	691-P: Exercise Effect on Endogenous Glucose Production in Type 1 Diabetes: A Modeling Analysis. <i>Diabetes, 2020, 69, 691-P</i>	0.9	0
2	1744-P: Hepatic and Disposal Insulin Sensitivity with Single Tracer Method: Use of Naturally Abundant ¹³ C-Polysaccharide. <i>Diabetes, 2020, 69, 1744-P</i>	0.9	
1	A Novel Method for Generation of In Silico Subjects with Type 2 Diabetes. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2021, 2021, 1380-1383</i>	0.9	