

# Anas El Fathi

## 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.

24  
papers

188  
citations

6  
h-index

13  
g-index

26  
ext. papers

290  
ext. citations

5  
avg, IF

3.32  
L-index

#	Paper	IF	Citations
24	Titration of Long-Acting Insulin Using Continuous Glucose Monitoring and Smart Insulin Pens in Type 1 Diabetes: A Model-Based Carbohydrate-Free Approach.. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 795895	5.7	5
23	Long-term use of the hybrid artificial pancreas by adjusting carbohydrate ratios and programmed basal rate: A reinforcement learning approach. <i>Computer Methods and Programs in Biomedicine</i> , <b>2021</b> , 200, 105936	6.9	1
22	Modelling glucose dynamics during moderate exercise in individuals with type 1 diabetes. <i>PLoS ONE</i> , <b>2021</b> , 16, e0248280	3.7	4
21	Alleviating carbohydrate counting with a FIASP-plus-pramlintide closed-loop delivery system (artificial pancreas): Feasibility and pilot studies. <i>Diabetes, Obesity and Metabolism</i> , <b>2021</b> , 23, 2090-2098	6.7	3
20	Comparison Between Closed-Loop Insulin Delivery System (the Artificial Pancreas) and Sensor-Augmented Pump Therapy: A Randomized-Controlled Crossover Trial. <i>Diabetes Technology and Therapeutics</i> , <b>2021</b> , 23, 168-174	8.1	5
19	A Meal Detection Algorithm for the Artificial Pancreas: A Randomized Controlled Clinical Trial in Adolescents With Type 1 Diabetes. <i>Diabetes Care</i> , <b>2021</b> , 44, 604-606	14.6	4
18	A Model-Based Insulin Dose Optimization Algorithm for People With Type 1 Diabetes on Multiple Daily Injections Therapy. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2021</b> , 68, 1208-1219	5	2
17	Fully Automated Artificial Pancreas for Adults With Type 1 Diabetes Using Multiple Hormones: Exploratory Experiments. <i>Canadian Journal of Diabetes</i> , <b>2021</b> ,	2.1	6
16	Reducing the need for carbohydrate counting in type 1 diabetes using closed-loop automated insulin delivery (artificial pancreas) and empagliflozin: A randomized, controlled, non-inferiority, crossover pilot trial. <i>Diabetes, Obesity and Metabolism</i> , <b>2021</b> , 23, 1272-1281	6.7	8
15	A fully artificial pancreas versus a hybrid artificial pancreas for type 1 diabetes: a single-centre, open-label, randomised controlled, crossover, non-inferiority trial. <i>The Lancet Digital Health</i> , <b>2021</b> , 3, e723-e732	14.4	1
14	A pilot non-inferiority randomized controlled trial to assess automatic adjustments of insulin doses in adolescents with type 1 diabetes on multiple daily injections therapy. <i>Pediatric Diabetes</i> , <b>2020</b> , 21, 950-959	3.6	2
13	Postprandial hyperglycaemia following insulin suspensions by the artificial pancreas: Implications for bolus calculators. <i>Diabetes, Obesity and Metabolism</i> , <b>2020</b> , 22, 1474-1477	6.7	
12	A Novel Dual-Hormone Insulin-and-Pramlintide Artificial Pancreas for Type 1 Diabetes: A Randomized Controlled Crossover Trial. <i>Diabetes Care</i> , <b>2020</b> , 43, 597-606	14.6	53
11	981-P: Postprandial Hyperglycemia following Insulin Suspensions by the Artificial Pancreas: Implications for Bolus Calculators. <i>Diabetes</i> , <b>2020</b> , 69, 981-P	0.9	
10	1119-P: Alleviating Carbohydrate Counting Burden in Type 1 Diabetes (T1D) with the Artificial Pancreas and Empagliflozin (EMPA). <i>Diabetes</i> , <b>2020</b> , 69, 1119-P	0.9	
9	196-OR: A Meal Detection Algorithm for the Artificial Pancreas: A Randomized Controlled Clinical Trial in Adolescents with Type 1 Diabetes. <i>Diabetes</i> , <b>2020</b> , 69, 196-OR	0.9	
8	The Efficacy of Basal Rate and Carbohydrate Ratio Learning Algorithm for Closed-Loop Insulin Delivery (Artificial Pancreas) in Youth with Type 1 Diabetes in a Diabetes Camp. <i>Diabetes Technology and Therapeutics</i> , <b>2020</b> , 22, 185-194	8.1	5

7	Accuracy of FreeStyle Libre in Adults with Type 1 Diabetes: The Effect of Sensor Age. <i>Diabetes Technology and Therapeutics</i> , <b>2020</b> , 22, 203-207	8.1	8
6	In-Silico Evaluation of Glucose Regulation Using Policy Gradient Reinforcement Learning for Patients with Type 1 Diabetes Mellitus. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6350	2.6	1
5	10 - Novel Fully Automated Fiasp-Plus-Pramlintide Artificial Pancreas for Type 1 Diabetes: Randomized Controlled Trial. <i>Canadian Journal of Diabetes</i> , <b>2020</b> , 44, S4-S5	2.1	2
4	An Unannounced Meal Detection Module for Artificial Pancreas Control Systems <b>2019</b> ,		5
3	The Artificial Pancreas and Meal Control: An Overview of Postprandial Glucose Regulation in Type 1 Diabetes. <i>IEEE Control Systems</i> , <b>2018</b> , 38, 67-85	2.9	37
2	The potential impact of intelligent power wheelchair use on social participation: perspectives of users, caregivers and clinicians. <i>Disability and Rehabilitation: Assistive Technology</i> , <b>2015</b> , 10, 191-7	1.8	14
1	Exploring powered wheelchair users and their caregivers perspectives on potential intelligent power wheelchair use: a qualitative study. <i>International Journal of Environmental Research and Public Health</i> , <b>2014</b> , 11, 2244-61	4.6	27