

# Arthur Hirata Bertachi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1118520/publications.pdf>

Version: 2024-02-01

15  
papers

270  
citations

1163117

8  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

346  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of Nocturnal Hypoglycemia in Adults with Type 1 Diabetes under Multiple Daily Injections Using Continuous Glucose Monitoring and Physical Activity Monitor. <i>Sensors</i> , 2020, 20, 1705.	3.8	43
2	Accuracy of Continuous Glucose Monitoring before, during, and after Aerobic and Anaerobic Exercise in Patients with Type 1 Diabetes Mellitus. <i>Biosensors</i> , 2018, 8, 22.	4.7	38
3	Prediction and prevention of hypoglycaemic events in type-1 diabetic patients using machine learning. <i>Health Informatics Journal</i> , 2020, 26, 703-718.	2.1	38
4	A New Blood Glucose Control Scheme for Unannounced Exercise in Type 1 Diabetic Subjects. <i>IEEE Transactions on Control Systems Technology</i> , 2020, 28, 593-600.	5.2	32
5	Automated blood glucose control in type 1 diabetes: A review of progress and challenges. <i>Endocrinología, Diabetes Y Nutrición</i> , 2018, 65, 172-181.	0.3	30
6	Assessment of Mitigation Methods to Reduce the Risk of Hypoglycemia for Announced Exercise in a Uni-hormonal Artificial Pancreas. <i>Diabetes Technology and Therapeutics</i> , 2018, 20, 285-295.	4.4	17
7	Minimizing postprandial hypoglycemia in Type 1 diabetes patients using multiple insulin injections and capillary blood glucose self-monitoring with machine learning techniques. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 178, 175-180.	4.7	17
8	Artificial Pancreas With Carbohydrate Suggestion Performance for Unannounced and Announced Exercise in Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 55-63.	3.6	12
9	A Machine Learning Approach to Minimize Nocturnal Hypoglycemic Events in Type 1 Diabetic Patients under Multiple Doses of Insulin. <i>Sensors</i> , 2022, 22, 1665.	3.8	12
10	Dynamic Rule-Based Algorithm to Tune Insulin-on-Board Constraints for a Hybrid Artificial Pancreas System. <i>Journal of Healthcare Engineering</i> , 2020, 2020, 1-11.	1.9	9
11	Control de la glucemia durante el ejercicio fásico aeróbico y anaeróbico mediante un nuevo sistema de páncreas artificial. <i>Endocrinología, Diabetes Y Nutrición</i> , 2018, 65, 342-347.	0.3	7
12	Individual categorisation of glucose profiles using compositional data analysis. <i>Statistical Methods in Medical Research</i> , 2019, 28, 3550-3567.	1.5	7
13	Exercise-induced hypoglycemia in type 1 diabetes: in-silico comparison between announced and unannounced strategies in closed-loop control. <i>IFAC-PapersOnLine</i> , 2019, 52, 1000-1005.	0.9	4
14	Probabilistic Model of Transition between Categories of Glucose Profiles in Patients with Type 1 Diabetes Using a Compositional Data Analysis Approach. <i>Sensors</i> , 2021, 21, 3593.	3.8	3
15	Compositional Data Analysis of Glucose Profiles of Type 1 Diabetes Patients. <i>IFAC-PapersOnLine</i> , 2019, 52, 1006-1011.	0.9	1