Gema GarcÃ-a-SÃ¡ez

List of Publications by Year
in descending order

24 papers	585 citations	687363 13 h-index	642732 23 g-index
26 all docs	26 docs citations	26 times ranked	785 citing authors

#	Article	IF	Citations
1	A web-based clinical decision support system for gestational diabetes: Automatic diet prescription and detection of insulin needs. International Journal of Medical Informatics, 2017, 102, 35-49.	3.3	97
2	Assessment of a personalized and distributed patient guidance system. International Journal of Medical Informatics, 2017, 101, 108-130.	3.3	61
3	The INCA System: A Further Step Towards a Telemedical Artificial Pancreas. IEEE Transactions on Information Technology in Biomedicine, 2008, 12, 470-479.	3.2	55
4	MobiGuide: a personalized and patient-centric decision-support system and its evaluation in the atrial fibrillation and gestational diabetes domains. User Modeling and User-Adapted Interaction, 2017, 27, 159-213.	3.8	43
5	Architecture of a wireless Personal Assistant for telemedical diabetes care. International Journal of Medical Informatics, 2009, 78, 391-403.	3.3	40
6	Real-Time Continuous Glucose Monitoring Together with Telemedical Assistance Improves Glycemic Control and Glucose Stability in Pump-Treated Patients. Diabetes Technology and Therapeutics, 2008, 10, 194-199.	4.4	35
7	Managing gestational diabetes mellitus using a smartphone application with artificial intelligence (SineDie) during the COVID-19 pandemic: Much more than just telemedicine. Diabetes Research and Clinical Practice, 2020, 169, 108396.	2.8	31
8	Decision Support in Diabetes Care: The Challenge of Supporting Patients in Their Daily Living Using a Mobile Glucose Predictor. Journal of Diabetes Science and Technology, 2018, 12, 243-250.	2.2	30
9	Patient-oriented Computerized Clinical Guidelines for Mobile Decision Support in Gestational Diabetes. Journal of Diabetes Science and Technology, 2014, 8, 238-246.	2.2	25
10	Artificial Pancreas Using a Personalized Rule-Based Controller Achieves Overnight Normoglycemia in Patients with Type 1 Diabetes. Diabetes Technology and Therapeutics, 2014, 16, 172-179.	4.4	25
11	A Telemedicine System That Includes a Personal Assistant Improves Glycemic Control in Pump-Treated Patients with Type 1 Diabetes. Journal of Diabetes Science and Technology, 2007, 1, 505-510.	2.2	23
12	Long short-term memory neural network for glucose prediction. Neural Computing and Applications, 2021, 33, 4191-4203.	5.6	19
13	How Continuous Monitoring Changes the Interaction of Patients with a Mobile Telemedicine System. Journal of Diabetes Science and Technology, 2011, 5, 5-12.	2.2	14
14	Intelligent alarms integrated in a multi-agent architecture for diabetes management. Transactions of the Institute of Measurement and Control, 2004, 26, 185-200.	1.7	13
15	A Systematic Review of Collective Evidences Investigating the Effect of Diabetes Monitoring Systems and Their Application in Health Care. Frontiers in Endocrinology, 2021, 12, 636959.	3.5	12
16	Automatic Data Processing to Achieve a Safe Telemedical Artificial Pancreas. Journal of Diabetes Science and Technology, 2009, 3, 1039-1046.	2.2	10
17	PREDIRCAM eHealth Platform for Individualized Telemedical Assistance for Lifestyle Modification in		

#	Article	IF	Citations
19	Linear Time-Varying Luenberger Observer Applied to Diabetes. IEEE Access, 2018, 6, 23612-23625.	4.2	8
20	Automated Insulin Delivery: The Artificial Pancreas Technical Challenges. American Journal of Therapeutics, 2020, 27, e62-e70.	0.9	8
21	Telemedical Artificial Pancreas: PARIS (Pancreas Artificial Telemedico Inteligente) research project. Diabetes Care, 2009, 32, S211-S216.	8.6	7
22	Definition of Information Technology Architectures for Continuous Data Management and Medical Device Integration in Diabetes. Journal of Diabetes Science and Technology, 2008, 2, 899-905.	2.2	4
23	Prediction of Cocaine Inpatient Treatment Success Using Machine Learning on High-Dimensional Heterogeneous Data. IEEE Access, 2020, 8, 218936-218953.	4.2	2
24	Method to generate a large cohort in-silico for type 1 diabetes. Computer Methods and Programs in Biomedicine, 2020, 193, 105523.	4.7	2