Jinyu Xie

List of Publications by Year
in descending order

11 papers	223 citations	1478505 6 h-index	1720034 7 g-index
11 all docs	11 docs citations	11 times ranked	279 citing authors

#	Article	IF	Citations
1	Personalized State-space Modeling of Glucose Dynamics for Type 1 Diabetes Using Continuously Monitored Glucose, Insulin Dose, and Meal Intake. Journal of Diabetes Science and Technology, 2014, 8, 331-345.	2.2	76
2	Benchmarking Machine Learning Algorithms on Blood Glucose Prediction for Type I Diabetes in Comparison With Classical Time-Series Models. IEEE Transactions on Biomedical Engineering, 2020, 67, 3101-3124.	4.2	72
3	A Variable State Dimension Approach to Meal Detection and Meal Size Estimation: In Silico Evaluation Through Basal-Bolus Insulin Therapy for Type 1 Diabetes. IEEE Transactions on Biomedical Engineering, 2017, 64, 1249-1260.	4.2	32
4	A personalized diet and exercise recommender system for type 1 diabetes self-management: An in silico study. Smart Health, 2019, 13, 100069.	3.2	10
5	Meal Detection and Meal Size Estimation for Type 1 Diabetes Treatment: A Variable State Dimension Approach. , 2015, , .		8
6	A Data-Driven Personalized Model of Glucose Dynamics Taking Account of the Effects of Physical Activity for Type 1 Diabetes: An In Silico Study. Journal of Biomechanical Engineering, 2019, 141, .	1.3	8
7	Closed-loop identification for plants under model predictive control. Control Engineering Practice, 2018, 72, 206-218.	5.5	7
8	Model Predictive Control for Type 1 Diabetes Based on Personalized Linear Time-Varying Subject Model Consisting of Both Insulin and Meal Inputs. Journal of Diabetes Science and Technology, 2015, 9, 941-942.	2.2	6
9	Model predictive control for type 1 diabetes based on personalized linear time-varying subject model consisting of both insulin and meal inputs: In Silico evaluation. , 2015, , .		3
10	A Nonlinear Data-Driven Model of Glucose Dynamics Accounting for Physical Activity for Type 1 Diabetes: An In Silico Study. , 2016, , .		1
11	A Personalized Diet and Exercise Recommender System in Minimizing Clinical Risk for Type 1 Diabetes: An In Silico Study. , 2017, , .		0