Cesar A Martin

List of Publications by Year
in descending order

26 papers	648 citations	1307594 7 h-index	1281871 11 g-index
28 all docs	28 docs citations	28 times ranked	899 citing authors

#	Article	IF	Citations
1	Agile science: creating useful products for behavior change in the real world. Translational Behavioral Medicine, 2016, 6, 317-328.	2.4	171
2	Tutorial for Using Control Systems Engineering to Optimize Adaptive Mobile Health Interventions. Journal of Medical Internet Research, 2018, 20, e214.	4.3	109
3	Adaptive step goals and rewards: a longitudinal growth model of daily steps for a smartphone-based walking intervention. Journal of Behavioral Medicine, 2018, 41, 74-86.	2.1	83
4	A dynamical systems model of Social Cognitive Theory. , 2014, , .		48
5	Development of a dynamic computational model of social cognitive theory. Translational Behavioral Medicine, 2016, 6, 483-495.	2.4	47
6	Modeling individual differences: A case study of the application of system identification for personalizing a physical activity intervention. Journal of Biomedical Informatics, 2018, 79, 82-97.	4.3	37
7	Development of a Control-Oriented Model of Social Cognitive Theory for Optimized mHealth Behavioral Interventions. IEEE Transactions on Control Systems Technology, 2020, 28, 331-346.	5.2	25
8	System identification of Just Walk: A behavioral mHealth intervention for promoting physical activity. , 2017, , .		22
9	A system identification approach for improving behavioral interventions based on Social Cognitive Theory. , 2015, , .		20
10	A decision framework for an adaptive behavioral intervention for physical activity using hybrid model predictive control. , 2016, , .		16
11	The importance of behavior theory in control system modeling of physical activity sensor data. , 2014, 2014, 6880-3.		15
12	Design of Informative Identification Experiments for Behavioral Interventions. IFAC-PapersOnLine, 2015, 48, 1325-1330.	0.9	11
13	An identification test monitoring procedure for MIMO systems based on statistical uncertainty estimation. , 2015, , .		10
14	Control Systems Engineering for Optimizing Behavioral mHealth Interventions. , 2017, , 455-493.		7
15	Leveraging intensive longitudinal data to better understand health behaviors. , 2014, 2014, 6888-91.		4
16	An enhanced identification test monitoring procedure for MIMO systems relying on uncertainty estimates. , 2016, , .		4
17	Finding a dynamical model of a social norm physical activity intervention. , 2017, , .		4
18	A control engineering approach for optimizing physical activity behavioral interventions. , 2016, , .		3

#	Article	IF	Citations
19	Design of Digital PID Controllers Relying on FPGA-based Techniques. IFAC-PapersOnLine, 2018, 51, 936-941.	0.9	3
20	System Identification of *Just Walk*: Using Matchable-Observable Linear Parametrizations. IEEE Transactions on Control Systems Technology, 2020, 28, 264-275.	5.2	3
21	A MoliZoft System Identification Approach of the Just Walk Data. IFAC-PapersOnLine, 2017, 50, 12508-12513.	0.9	2
22	A control theory approach for managing cloud computing resources: A proof-of-concept on memory partitioning. , 2017, , .		2
23	Control-Relevant Design of System Identification Experiments to Improve Behavioral Interventions. IFAC-PapersOnLine, 2017, 50, 15115-15120.	0.9	1
24	Un esquema de decisiones para intervenciones adaptativas comportamentales de actividad fÃsica basado en control predictivo por modelo hÃbrido: ilustraciÃ³n con Just Walk. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2022, 19, 297-308.	1.0	1
25	A Control Engineering and System Identification Approach to Improve a Cocoa Biofertilization Process. , 2018, , .		0
26	An Adaptive Identification Test Monitoring Procedure for Nonlinear Behavioral Interventions. IFAC-PapersOnLine, 2020, 53, 16476-16481.	0.9	0