Anders Lyngvi Fougner

List of Publications by Year
in descending order

29	1,215	758635 12	676716 22
papers	citations	h-index	g-index

30	30	30	1188
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Low-Order Nonlinear Animal Model of Glucose Dynamics for a Bihormonal Intraperitoneal Artificial Pancreas. IEEE Transactions on Biomedical Engineering, 2022, 69, 1273-1280.	2.5	2
2	Physiological effects of intraperitoneal versus subcutaneous insulin infusion in patients with diabetes mellitus type 1: A systematic review and meta-analysis. PLoS ONE, 2021, 16, e0249611.	1.1	13
3	Intraperitoneal insulin administration in pigs: effect on circulating insulin and glucose levels. BMJ Open Diabetes Research and Care, 2021, 9, e001929.	1.2	6
4	Modelling and simulation of occlusions in insulin pumps*. , 2021, 2021, 1499-1503.		0
5	Pattern Recognition Reveals Characteristic Postprandial Glucose Changes: Non-Individualized Meal Detection in Diabetes Mellitus Type 1. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 594-602.	3.9	23
6	Intraperitoneal and subcutaneous glucagon delivery in anaesthetized pigs: effects on circulating glucagon and glucose levels. Scientific Reports, 2020, 10, 13735.	1.6	12
7	Feasibility of Early Meal Detection Based on Abdominal Sound. IEEE Journal of Translational Engineering in Health and Medicine, 2019, 7, 1-12.	2.2	15
8	Why intraperitoneal glucose sensing is sometimes surprisingly rapid and sometimes slow: A hypothesis. Medical Hypotheses, 2019, 132, 109318.	0.8	4
9	Data driven filtering of bowel sounds using multivariate empirical mode decomposition. BioMedical Engineering OnLine, 2019, 18, 28.	1.3	10
10	Meal estimation from Continuous Glucose Monitor data using Kalman filtering and hypothesis testing. , 2019, , .		3
11	Pilot Study of Early Meal Onset Detection from Abdominal Sounds. , 2019, , .		5
12	Simple Nonlinear Models for Glucose-Insulin Dynamics: Application to Intraperitoneal Insulin Infusion. IFAC-PapersOnLine, 2019, 52, 219-224.	0.5	2
13	Glucose-insulin metabolism model reduction and parameter selection using sensitivity analysis. , 2019, , .		3
14	Risk analysis for the design of a safe artificial pancreas control system. Health and Technology, 2019, 9, 311-328.	2.1	8
15	Kalman Smoothing for Objective and Automatic Preprocessing of Glucose Data. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 218-226.	3.9	26
16	Fault detection in glucose control: Is it time to move beyond CGM data?. IFAC-PapersOnLine, 2018, 51, 180-185.	0.5	4
17	Intraperitoneal, subcutaneous and intravenous glucagon delivery and subsequent glucose response in rats: a randomized controlled crossover trial. BMJ Open Diabetes Research and Care, 2018, 6, e000560.	1.2	14
18	Effect of sensor location on continuous intraperitoneal glucose sensing in an animal model. PLoS ONE, 2018, 13, e0205447.	1.1	12

#	Article	IF	Citations
19	Differences Between Flash Glucose Monitor and Fingerprick Measurements. Biosensors, 2018, 8, 93.	2.3	21
20	A Review of the Current Challenges Associated with the Development of an Artificial Pancreas by a Double Subcutaneous Approach. Diabetes Therapy, 2017, 8, 489-506.	1.2	36
21	Impact of sensing and infusion site dependent dynamics on insulin bolus based meal compensation. IFAC-PapersOnLine, 2017, 50, 7749-7755.	0.5	2
22	Meal detection based on non-individualized moving horizon estimation and classification. , 2017, , .		10
23	The Artificial Pancreas: A Dynamic Challenge. IFAC-PapersOnLine, 2016, 49, 765-772.	0.5	13
24	Intraperitoneal Glucose Sensing is Sometimes Surprisingly Rapid. Modeling, Identification and Control, 2016, 37, 121-131.	0.6	12
25	System training and assessment in simultaneous proportional myoelectric prosthesis control. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 75.	2.4	56
26	Control of Upper Limb Prostheses: Terminology and Proportional Myoelectric Controlâ€"A Review. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 663-677.	2.7	450
27	A multi-modal approach for hand motion classification using surface EMG and accelerometers. , 2011, 2011, 4247-50.		48
28	Resolving the Limb Position Effect in Myoelectric Pattern Recognition. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2011, 19, 644-651.	2.7	299
29	Examining the adverse effects of limb position on pattern recognition based myoelectric control. , 2010, 2010, 6337-40.		106