

# Anders Lyngvi Fougner

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,215  
citations

759233

12  
h-index

677142

22  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1188  
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of Upper Limb Prostheses: Terminology and Proportional Myoelectric Control—A Review. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 663-677.	4.9	450
2	Resolving the Limb Position Effect in Myoelectric Pattern Recognition. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2011, 19, 644-651.	4.9	299
3	Examining the adverse effects of limb position on pattern recognition based myoelectric control. , 2010, 2010, 6337-40.		106
4	System training and assessment in simultaneous proportional myoelectric prosthesis control. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 75.	4.6	56
5	A multi-modal approach for hand motion classification using surface EMG and accelerometers. , 2011, 2011, 4247-50.		48
6	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.	2.5	36
7	Kalman Smoothing for Objective and Automatic Preprocessing of Glucose Data. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 218-226.	6.3	26
8	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.	6.3	23
9	Differences Between Flash Glucose Monitor and Fingerprick Measurements. Biosensors, 2018, 8, 93.	4.7	21
10	Feasibility of Early Meal Detection Based on Abdominal Sound. IEEE Journal of Translational Engineering in Health and Medicine, 2019, 7, 1-12.	3.7	15
11	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.	2.8	14
12	The Artificial Pancreas: A Dynamic Challenge. IFAC-PapersOnLine, 2016, 49, 765-772.	0.9	13
13	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.	2.5	13
14	Effect of sensor location on continuous intraperitoneal glucose sensing in an animal model. PLoS ONE, 2018, 13, e0205447.	2.5	12
15	Intraperitoneal and subcutaneous glucagon delivery in anaesthetized pigs: effects on circulating glucagon and glucose levels. Scientific Reports, 2020, 10, 13735.	3.3	12
16	Intraperitoneal Glucose Sensing is Sometimes Surprisingly Rapid. Modeling, Identification and Control, 2016, 37, 121-131.	1.1	12
17	Meal detection based on non-individualized moving horizon estimation and classification. , 2017, , .		10
18	Data driven filtering of bowel sounds using multivariate empirical mode decomposition. BioMedical Engineering OnLine, 2019, 18, 28.	2.7	10

#	ARTICLE	IF	CITATIONS
19	Risk analysis for the design of a safe artificial pancreas control system. Health and Technology, 2019, 9, 311-328.	3.6	8
20	Intraperitoneal insulin administration in pigs: effect on circulating insulin and glucose levels. BMJ Open Diabetes Research and Care, 2021, 9, e001929.	2.8	6
21	Pilot Study of Early Meal Onset Detection from Abdominal Sounds. , 2019, , .		5
22	Fault detection in glucose control: Is it time to move beyond CGM data?. IFAC-PapersOnLine, 2018, 51, 180-185.	0.9	4
23	Why intraperitoneal glucose sensing is sometimes surprisingly rapid and sometimes slow: A hypothesis. Medical Hypotheses, 2019, 132, 109318.	1.5	4
24	Meal estimation from Continuous Glucose Monitor data using Kalman filtering and hypothesis testing. , 2019, , .		3
25	Glucose-insulin metabolism model reduction and parameter selection using sensitivity analysis. , 2019, , .		3
26	Impact of sensing and infusion site dependent dynamics on insulin bolus based meal compensation. IFAC-PapersOnLine, 2017, 50, 7749-7755.	0.9	2
27	Simple Nonlinear Models for Glucose-Insulin Dynamics: Application to Intraperitoneal Insulin Infusion. IFAC-PapersOnLine, 2019, 52, 219-224.	0.9	2
28	Low-Order Nonlinear Animal Model of Glucose Dynamics for a Bihormonal Intraperitoneal Artificial Pancreas. IEEE Transactions on Biomedical Engineering, 2022, 69, 1273-1280.	4.2	2
29	Modelling and simulation of occlusions in insulin pumps*. , 2021, 2021, 1499-1503.		0