

Frida Sandberg

List of Publications by Year in descending order

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50
papers

529
citations

858243

12
h-index

799663

21
g-index

55
all docs

55
docs citations

55
times ranked

495
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute Cardiovascular Effects of Hydrotreated Vegetable Oil Exhaust. <i>Frontiers in Physiology</i> , 2022, 13, 828311.	1.3	0
2	Characterization of Changes in P-Wave VCG Loops Following Pulmonary-Vein Isolation. <i>Sensors</i> , 2021, 21, 1923.	2.1	0
3	Respiratory Induced Modulation in f-Wave Characteristics During Atrial Fibrillation. <i>Frontiers in Physiology</i> , 2021, 12, 653492.	1.3	2
4	Detection of Brief Episodes of Atrial Fibrillation Based on Electrocardiomatrix and Convolutional Neural Network. <i>Frontiers in Physiology</i> , 2021, 12, 673819.	1.3	7
5	Non-invasive Characterization of Human AV-Nodal Conduction Delay and Refractory Period During Atrial Fibrillation. <i>Frontiers in Physiology</i> , 2021, 12, 728955.	1.3	4
6	Changes in RR Series Characteristics During Atrial Fibrillation: An AV Node Simulation Study. , 2021, , .		0
7	Atrial Fibrillatory Rate Characterization Extracted from Implanted Cardiac Monitor Data. , 2021, , .		0
8	Non-Invasive Characterization of Atrio-Ventricular Properties During Atrial Fibrillation. , 2021, , .		0
9	ECG-Derived Respiratory Rate in Atrial Fibrillation. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 905-914.	2.5	26
10	Detection of Needle Dislodgement Using Extracorporeal Pressure Signals: A Feasibility Study. <i>ASAIO Journal</i> , 2020, 66, 454-462.	0.9	0
11	Monitoring respiration using the pressure sensors in a dialysis machine. <i>Physiological Measurement</i> , 2019, 40, 025001.	1.2	6
12	Model-Based Assessment of f-Wave Signal Quality in Patients With Atrial Fibrillation. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 2600-2611.	2.5	21
13	Characterisation of human AV-nodal properties using a network model. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 247-259.	1.6	9
14	Detection of ventricular premature beats based on the pressure signals of a hemodialysis machine. <i>Medical Engineering and Physics</i> , 2018, 51, 49-55.	0.8	6
15	Changes in f-wave characteristics during cryoballoon catheter ablation. <i>Physiological Measurement</i> , 2018, 39, 105001.	1.2	3
16	Modeling and Analysis of Ventricular Response in Atrial Fibrillation. <i>Series in Bioengineering</i> , 2018, , 281-311.	0.3	0
17	Preliminary Results from Clinical Validation Study of a Method for Non-Invasive Assessment of Atrioventricular Node Refractoriness During Atrial Fibrillation. , 2017, , .		0
18	Cardiac signal estimation based on the arterial and venous pressure signals of a hemodialysis machine. <i>Physiological Measurement</i> , 2016, 37, 1499-1515.	1.2	4

#	ARTICLE	IF	CITATIONS
19	A Statistical Atrioventricular Node Model Accounting for Pathway Switching During Atrial Fibrillation. IEEE Transactions on Biomedical Engineering, 2016, 63, 1842-1849.	2.5	13
20	Clinical Use And Limitations Of Non-Invasive Electrophysiological Tests In Patients With Atrial Fibrillation. Journal of Atrial Fibrillation, 2016, 9, 1424.	0.5	0
21	A novel statistical model of the dual pathway atrioventricular node during atrial fibrillation. , 2015, , .		0
22	Characterization of AV-nodal properties during atrial fibrillation using a multilevel modelling approach. , 2015, , .		1
23	Noninvasive Assessment of Atrioventricular Nodal Function: Effect of Rate-Control Drugs during Atrial Fibrillation. , 2015, 20, 534-541.		6
24	Extracting a Cardiac Signal From the Extracorporeal Pressure Sensors of a Hemodialysis Machine. IEEE Transactions on Biomedical Engineering, 2015, 62, 1305-1315.	2.5	25
25	Heart rate estimation from dual pressure sensors of a dialysis machine. , 2015, , .		1
26	Non-invasive assessment of the effect of beta blockers and calcium channel blockers on the AV node during permanent atrial fibrillation. Journal of Electrocardiology, 2015, 48, 861-866.	0.4	12
27	Identification of patients prone to hypotension during hemodialysis based on the analysis of cardiovascular signals. Medical Engineering and Physics, 2015, 37, 1156-1161.	0.8	3
28	Noninvasive characterization of atrioventricular conduction in patients with atrial fibrillation. Journal of Electrocardiology, 2015, 48, 938-942.	0.4	5
29	Long-term characterization of persistent atrial fibrillation: wave morphology, frequency, and irregularity analysis. Medical and Biological Engineering and Computing, 2014, 52, 1053-1060.	1.6	10
30	Non-invasive evaluation of the effect of metoprolol on the atrioventricular node during permanent atrial fibrillation. Europace, 2014, 16, iv129-iv134.	0.7	7
31	Prediction of hypotension in hemodialysis patients. Physiological Measurement, 2014, 35, 1885-1898.	1.2	21
32	Statistical Modeling of Atrioventricular Nodal Function During Atrial Fibrillation Focusing on the Refractory Period Estimation. Communications in Computer and Information Science, 2014, , 258-268.	0.4	1
33	Atrioventricular nodal function during atrial fibrillation: Model building and robust estimation. Biomedical Signal Processing and Control, 2013, 8, 1017-1025.	3.5	20
34	Statistical modeling of the atrioventricular node during atrial fibrillation: Data length and estimator performance. , 2013, 2013, 2567-70.		1
35	Noninvasive Techniques for Prevention of Intradialytic Hypotension. IEEE Reviews in Biomedical Engineering, 2012, 5, 45-59.	13.1	29
36	An Atrioventricular Node Model for Analysis of the Ventricular Response During Atrial Fibrillation. IEEE Transactions on Biomedical Engineering, 2011, 58, 3386-3395.	2.5	44

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37	Noninvasive estimation of organization in atrial fibrillation as a predictor of sinus rhythm maintenance. <i>Journal of Electrocardiology</i> , 2011, 44, 171-175.	0.4	9
38	Classification of Paroxysmal and Persistent Atrial Fibrillation in Ambulatory ECG Recordings. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 1441-1449.	2.5	50
39	Circadian variation in dominant atrial fibrillation frequency in persistent atrial fibrillation. <i>Physiological Measurement</i> , 2010, 31, 531-542.	1.2	18
40	Application of frequency and sample entropy to discriminate long-term recordings of paroxysmal and persistent atrial fibrillation. , 2010, 2010, 4558-61.		8
41	Frequency Tracking of Atrial Fibrillation Using Hidden Markov Models. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 502-511.	2.5	58
42	Understanding Atrial Fibrillation: The Signal Processing Contribution, Part I. <i>Synthesis Lectures on Biomedical Engineering</i> , 2008, 3, 1-129.	0.1	12
43	Predicting spontaneous termination of atrial fibrillation using the surface ECG. <i>Medical Engineering and Physics</i> , 2006, 28, 802-808.	0.8	77
44	Frequency Tracking of Atrial Fibrillation using Hidden Markov Models. , 2006, 2006, 1406-9.		0
45	Signal Quality Assessment of F-waves in Atrial Fibrillation. , 0, , .		2
46	A Spatially Extended Model of the Human Atrioventricular Node. , 0, , .		0
47	Relationship between Atrial Oscillatory Acetylcholine Release Pattern and f-wave Frequency Modulation: a Computational and Experimental Study. , 0, , .		1
48	Pulmonary Vein Isolation Induces Changes in Vectorcardiogram P-wave Loops. , 0, , .		0
49	Respiratory Modulation in Permanent Atrial Fibrillation. , 0, , .		2
50	Automatic Detection of Atrial Fibrillation Using Electrocardiomatrix and Convolutional Neural Network. , 0, , .		5