

# Nicolas Pilia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1555605/publications.pdf>

Version: 2024-02-01

13  
papers

213  
citations

1307594

7  
h-index

1281871

11  
g-index

13  
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13  
docs citations

13  
times ranked

256  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Baseline Wander Removal Techniques considering the Preservation of ST Changes in the Ischemic ECG: A Simulation Study. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-13.	1.3	79
2	P wave detection and delineation in the ECG based on the phase free stationary wavelet transform and using intracardiac atrial electrograms as reference. Biomedizinische Technik, 2016, 61, 37-56.	0.8	45
3	ECGdeli- An open source ECG delineation toolbox for MATLAB. SoftwareX, 2021, 13, 100639.	2.6	29
4	Cobiveco: Consistent biventricular coordinates for precise and intuitive description of position in the heart " with MATLAB implementation. Medical Image Analysis, 2021, 74, 102247.	11.6	16
5	An adaptive spatio-temporal Gaussian filter for processing cardiac optical mapping data. Computers in Biology and Medicine, 2018, 102, 267-277.	7.0	14
6	Quantification and classification of potassium and calcium disorders with the electrocardiogram: What do clinical studies, modeling, and reconstruction tell us?. APL Bioengineering, 2020, 4, 041501.	6.2	9
7	Effects of Serum Calcium Changes on the Cardiac Action Potential and the ECG in a Computational Model. Current Directions in Biomedical Engineering, 2018, 4, 251-254.	0.4	8
8	ECG-based Estimation of Potassium and Calcium Concentrations: Proof of Concept with Simulated Data. , 2019, 2019, 2610-2613.		4
9	Influence of ECG Lead Reduction Techniques for Extracellular Potassium and Calcium Concentration Estimation. Current Directions in Biomedical Engineering, 2019, 5, 69-72.	0.4	3
10	Quantification of Interpatient 12-lead ECG Variabilities within a Healthy Cohort. Current Directions in Biomedical Engineering, 2020, 6, 493-496.	0.4	3
11	Performance of Different Atrial Conduction Velocity Estimation Algorithms Improves with Knowledge about the Depolarization Pattern. Current Directions in Biomedical Engineering, 2019, 5, 101-104.	0.4	2
12	Electro-mechanical and mechano-electrical interactions in healthy and drug-induced LQTS rabbit hearts. Europace, 2021, 23, .	1.7	1
13	Determination of the excitation origin in the ventricles from the ECG using support vector regression. Current Directions in Biomedical Engineering, 2017, 3, 257-260.	0.4	0