Nicolas Pilia

List of Publications by Year
in descending order

13 papers	**213** citations	1307594 **7** h-index	1281871 **11** g-index
13 all docs	**13** docs citations	**13** times ranked	**256** citing authors

#	Article	IF	Citations
1	ECGdeliÂ- An open source ECG delineation toolbox for MATLAB. SoftwareX, 2021, 13, 100639.	2.6	29
2	Electro-mechanical and mechano-electrical interactions in healthy and drug-induced LQTS rabbit hearts. Europace, 2021, 23, .	1.7	1
3	Cobiveco: Consistent biventricular coordinates for precise and intuitive description of position in the heart â€" with MATLAB implementation. Medical Image Analysis, 2021, 74, 102247.	11.6	16
4	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
5	Quantification of Interpatient 12-lead ECG Variabilities within a Healthy Cohort. Current Directions in Biomedical Engineering, 2020, 6, 493-496.	0.4	3
6	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
7	ECG-based Estimation of Potassium and Calcium Concentrations: Proof of Concept with Simulated Data. , 2019, 2019, 2610-2613.		4
8	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
9	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
10	An adaptive spatio-temporal Gaussian filter for processing cardiac optical mapping data. Computers in Biology and Medicine, 2018, 102, 267-277.	7.0	14
11	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
12	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
13	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