

Daniel Guldenring

List of Publications by Year in descending order

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29
papers

442
citations

758635

12
h-index

752256

20
g-index

30
all docs

30
docs citations

30
times ranked

468
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards Explainable Artificial Intelligence and Explanation User Interfaces to Open the "Black Box"™ of Automated ECG Interpretation. Lecture Notes in Computer Science, 2021, , 96-108.	1.0	0
2	Reliable Deep Learning-Based Detection of Misplaced Chest Electrodes During Electrocardiogram Recording: Algorithm Development and Validation. JMIR Medical Informatics, 2021, 9, e25347.	1.3	6
3	Overview of featurization techniques used in traditional versus emerging deep learning-based algorithms for automated interpretation of the 12-lead ECG. Journal of Electrocardiology, 2021, 69S, 7-11.	0.4	0
4	Estimating the Minimal Size of Training Datasets Required for the Development of Linear ECG-Lead Transformations. , 2021, , .		0
5	Machine learning techniques for detecting electrode misplacement and interchanges when recording ECGs: A systematic review and meta-analysis. Journal of Electrocardiology, 2020, 62, 116-123.	0.4	9
6	Automation bias in medicine: The influence of automated diagnoses on interpreter accuracy and uncertainty when reading electrocardiograms. Journal of Electrocardiology, 2018, 51, S6-S11.	0.4	58
7	The role of computerized diagnostic proposals in the interpretation of the 12-lead electrocardiogram by cardiology and non-cardiology fellows. International Journal of Medical Informatics, 2017, 101, 85-92.	1.6	19
8	PDF"ECG in clinical practice: A model for long-term preservation of digital 12-lead ECG data. Journal of Electrocardiology, 2017, 50, 776-780.	0.4	38
9	Epicardial potentials computed from the body surface potential map using inverse electrocardiography and an individualised torso model improve sensitivity for acute myocardial infarction diagnosis. European Heart Journal: Acute Cardiovascular Care, 2017, 6, 728-735.	0.4	3
10	Data Driven Computer Simulation to Analyse an ECG Limb Lead System Used in Connected Health Environments. Methods of Information in Medicine, 2016, 55, 258-265.	0.7	4
11	Human factors analysis of the CardioQuick Patch®: A novel engineering solution to the problem of electrode misplacement during 12-lead electrocardiogram acquisition. Journal of Electrocardiology, 2016, 49, 911-918.	0.4	14
12	Computing the spatial QRS-T angle using reduced electrocardiographic lead sets. Journal of Electrocardiology, 2016, 49, 794-799.	0.4	2
13	Data analysis of diagnostic accuracies in 12-lead electrocardiogram interpretation by junior medical fellows. Journal of Electrocardiology, 2015, 48, 988-994.	0.4	27
14	On the derivation of the spatial QRS-T angle from Mason-Likar leads I, II, V2 and V5. , 2015, , .		0
15	Using computerised interactive response technology to assess electrocardiographers and for aggregating diagnoses. Journal of Electrocardiology, 2015, 48, 995-999.	0.4	6
16	Novel approach to documenting expert ECG interpretation using eye tracking technology: A historical and biographical representation of the late Dr Rory Childers in action. Journal of Electrocardiology, 2015, 48, 43-44.	0.4	8
17	The derivation of the spatial QRS-T angle and the spatial ventricular gradient using the Mason-Likar 12-lead electrocardiogram. Journal of Electrocardiology, 2015, 48, 1045-1052.	0.4	11
18	Assessing computerized eye tracking technology for gaining insight into expert interpretation of the 12-lead electrocardiogram: an objective quantitative approach. Journal of Electrocardiology, 2014, 47, 895-906.	0.4	51

#	ARTICLE	IF	CITATIONS
19	A usability evaluation of medical software at an expert conference setting. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 113, 383-395.	2.6	24
20	Methods for presenting and visualising electrocardiographic data: From temporal signals to spatial imaging. <i>Journal of Electrocardiology</i> , 2013, 46, 182-196.	0.4	26
21	042 EPICARDIAL POTENTIALS DERIVED FROM THE BODY SURFACE POTENTIAL MAP USING INVERSE ELECTROCARDIOGRAPHY IMPROVE DIAGNOSIS OF ACUTE MYOCARDIAL INFARCTION: A PROSPECTIVE STUDY. <i>Heart</i> , 2013, 99, A31.1-A31.	1.2	0
22	Transformation of the Mason-Likar 12-lead electrocardiogram to the Frank vectorcardiogram. , 2012, 2012, 677-80.		19
23	Detection of acute coronary occlusion in patients with acute coronary syndromes presenting with isolated ST-segment depression. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2012, 1, 128-135.	0.4	16
24	Estimation performance of a reduced lead system during continuous 12-lead ECG ST-segment monitoring. <i>Journal of Electrocardiology</i> , 2012, 45, 604-608.	0.4	5
25	The effects of electrode misplacement on clinicians's interpretation of the standard 12-lead electrocardiogram. <i>European Journal of Internal Medicine</i> , 2012, 23, 610-615.	1.0	51
26	A simulation tool for visualizing and studying the effects of electrode misplacement on the 12-lead electrocardiogram. <i>Journal of Electrocardiology</i> , 2011, 44, 439-444.	0.4	18
27	Effects of electrode placement errors in the EASI-derived 12-lead electrocardiogram. <i>Journal of Electrocardiology</i> , 2010, 43, 606-611.	0.4	20
28	Embedding Self-Awareness into Objects of Daily Life -- The Smart Kettle. , 2010, , .		4
29	The Effects of 0.67 Hz High-pass Filtering on the Spatial QRS-T Angle. , 0, , .		3