

Rute Almeida

List of Publications by Year in descending order

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72
papers

2,433
citations

430874

18
h-index

345221

36
g-index

77
all docs

77
docs citations

77
times ranked

2551
citing authors

#	ARTICLE	IF	CITATIONS
1	A Wavelet-Based ECG Delineator: Evaluation on Standard Databases. IEEE Transactions on Biomedical Engineering, 2004, 51, 570-581.	4.2	1,216
2	MASK 2017: ARIA digitally-enabled, integrated, person-centred care for rhinitis and asthma multimorbidity using real-world-evidence. Clinical and Translational Allergy, 2018, 8, 45.	3.2	104
3	Allergic Rhinitis and its Impact on Asthma (ARIA) Phase 4 (2018): Change management in allergic rhinitis and asthma multimorbidity using mobile technology. Journal of Allergy and Clinical Immunology, 2019, 143, 864-879.	2.9	103
4	Mobile technology offers novel insights into the control and treatment of allergic rhinitis: The MASK study. Journal of Allergy and Clinical Immunology, 2019, 144, 135-143.e6.	2.9	101
5	Validation of Heart Rate Monitor Polar RS800 for Heart Rate Variability Analysis During Exercise. Journal of Strength and Conditioning Research, 2018, 32, 716-725.	2.1	95
6	Next-generation ARIA care pathways for rhinitis and asthma: a model for multimorbid chronic diseases. Clinical and Translational Allergy, 2019, 9, 44.	3.2	87
7	Guidance to 2018 good practice: ARIA digitally-enabled, integrated, person-centred care for rhinitis and asthma. Clinical and Translational Allergy, 2019, 9, 16.	3.2	81
8	Adherence to treatment in allergic rhinitis using mobile technology. The MASK Study. Clinical and Experimental Allergy, 2019, 49, 442-460.	2.9	73
9	QT Variability and HRV Interactions in ECG: Quantification and Reliability. IEEE Transactions on Biomedical Engineering, 2006, 53, 1317-1329.	4.2	52
10	ARIA digital anamorphosis: Digital transformation of health and care in airway diseases from research to practice. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 168-190.	5.7	46
11	Fetal QRS detection and heart rate estimation: a wavelet-based approach. Physiological Measurement, 2014, 35, 1723-1735.	2.1	35
12	Treatment of allergic rhinitis during and outside the pollen season using mobile technology. A MASK study. Clinical and Translational Allergy, 2020, 10, 62.	3.2	34
13	Geolocation with respect to personal privacy for the Allergy Diary app - a MASK study. World Allergy Organization Journal, 2018, 11, 15.	3.5	33
14	Multilead ECG Delineation Using Spatially Projected Leads From Wavelet Transform Loops. IEEE Transactions on Biomedical Engineering, 2009, 56, 1996-2005.	4.2	32
15	Correlation between work impairment, scores of rhinitis severity and asthma using the MASK App. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1672-1688.	5.7	32
16	Development and validation of combined symptom& medication scores for allergic rhinitis*. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 2147-2162.	5.7	32
17	Disentangling the heterogeneity of allergic respiratory diseases by latent class analysis reveals novel phenotypes. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 698-708.	5.7	27
18	Implant Stability in the Posterior Maxilla: A Controlled Clinical Trial. BioMed Research International, 2017, 2017, 1-11.	1.9	26

#	ARTICLE	IF	CITATIONS
19	Patient-physician discordance in assessment of adherence to inhaled controller medication: a cross-sectional analysis of two cohorts. <i>BMJ Open</i> , 2019, 9, e031732.	1.9	21
20	How the Smartphone Is Changing Allergy Diagnostics. <i>Current Allergy and Asthma Reports</i> , 2018, 18, 69.	5.3	17
21	High oral corticosteroid exposure and overuse of short-acting beta-2-agonists were associated with insufficient prescribing of controller medication: a nationwide electronic prescribing and dispensing database analysis. <i>Clinical and Translational Allergy</i> , 2019, 9, 47.	3.2	17
22	Feasibility and Acceptability of an Asthma App to Monitor Medication Adherence: Mixed Methods Study. <i>JMIR MHealth and UHealth</i> , 2021, 9, e26442.	3.7	16
23	Respiration Effect on Wavelet-Based ECG T-Wave End Delineation Strategies. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 1818-1828.	4.2	13
24	Adult Asthma Scores—Development and Validation of Multivariable Scores to Identify Asthma in Surveys. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 183-190.e6.	3.8	9
25	dAMUSE—A new tool for denoising and blind source separation. , 2005, 15, 400-421.		8
26	Validation of App and Phone Versions of the Control of Allergic Rhinitis and Asthma Test (CARAT). <i>Journal of Investigational Allergology and Clinical Immunology</i> , 2021, 31, 270-273.	1.3	8
27	Determinants of the Use of Health and Fitness Mobile Apps by Patients With Asthma: Secondary Analysis of Observational Studies. <i>Journal of Medical Internet Research</i> , 2021, 23, e25472.	4.3	8
28	Improved QT variability quantification by multilead automatic delineation. , 2005, , .		7
29	Impaired T-wave amplitude adaptation to heart-rate induced by cardiac deconditioning after 5-days of head-down bed-rest. <i>Acta Astronautica</i> , 2013, 91, 166-172.	3.2	7
30	InspirerMundi—Remote Monitoring of Inhaled Medication Adherence through Objective Verification Based on Combined Image Processing Techniques. <i>Methods of Information in Medicine</i> , 2021, 60, e9-e19.	1.2	7
31	Lung Auscultation Using the Smartphone—Feasibility Study in Real-World Clinical Practice. <i>Sensors</i> , 2021, 21, 4931.	3.8	7
32	Microgravity effects on ventricular response to heart rate changes. , 2012, 2012, 3424-7.		6
33	Monitoring Adherence to Asthma Inhalers Using the InspirerMundi App: Analysis of Real-World, Medium-Term Feasibility Studies. <i>Frontiers in Medical Technology</i> , 2021, 3, 649506.	2.5	6
34	A parametric model approach for quantification of short term QT variability uncorrelated with heart rate variability. , 2003, , .		5
35	Blind source separation using time-delayed signals. , 0, , .		5
36	BioSigBrowser, biosignal processing interface. , 2009, , .		5

#	ARTICLE	IF	CITATIONS
37	Heart rate variability during plateau waves of intracranial pressure: A pilot descriptive study. , 2015, 2015, 6142-5.		5
38	ARFIMA-GARCH Modeling of HRV: Clinical Application in Acute Brain Injury. , 2017, , 451-468.		5
39	Profiling Persistent Asthma Phenotypes in Adolescents: A Longitudinal Diagnostic Evaluation from the INSPIRERS Studies. International Journal of Environmental Research and Public Health, 2021, 18, 1015.	2.6	5
40	HOW INSPIRING IS YOUR APP? A USABILITY TAKE ON AN APP FOR ASTHMAMEDICATION ADHERENCE. , 2019, , .		5
41	Respiration effect on single and multi lead ECG delineation strategies. , 2010, 2010, 3575-8.		4
42	Development and Validation of a Digital Image Processing-Based Pill Detection Tool for an Oral Medication Self-Monitoring System. Sensors, 2022, 22, 2958.	3.8	4
43	Iquantification of the QT variability related to HRV: robustness study facing automatic delineation and noise on the ECG. , 0, , .		3
44	DEVELOPMENT OF A MOBILE HEALTH APP FOR THE MANAGEMENT OF HYPERTENSION, INCLUDING TREATMENT ADHERENCE ASSESSMENT, USING IMAGE DETECTION TECHNOLOGY â€œ INSPIRERS-HTN. Journal of Hypertension, 2021, 39, e380.	0.5	3
45	Automatic Quality Assessment of Smart Device Microphone Spirometry. , 2018, , .		3
46	Respiratory rate estimation from multilead directions, based on ECG delineation. , 2016, 2016, 3813-3816.		2
47	Plateau Waves of Intracranial Pressure and Autonomic Stress Analysis. , 2020, , .		2
48	Forecasting Asthma Hospital Admissions from Remotely Sensed Environmental Data. , 2017, , .		2
49	Reproducibility of the Vivatmopro measurements for exhaled nitric oxide values. , 2019, , .		2
50	Quality assessment and feedback of Smart Device Microphone Spirometry executed by children. , 2019, , .		1
51	mHealth to Securely Coach Chronic Patients. IFMBE Proceedings, 2021, , 805-813.	0.3	1
52	A comparison of unsupervised methods based on dichotomous data to identify clusters of airways symptoms: latent class analysis and partitioning around medoids methods.. , 2018, , .		1
53	QRS Detection Optimization in Stress Test Recordings Using Evolutionary Algorithms. Jornadas De Jvenes Investigadores Del I3A, 0, 2, 14-15.	0.0	1
54	The use of remote care during the coronavirus disease 2019 pandemic a perspective of Portuguese and Spanish physicians. European Annals of Allergy and Clinical Immunology, 2020, , .	1.0	1

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55	What Do Physicians Think About the Use of Telemedicine to Recruit and Assess Participants in mHealth-Related Clinical Studies as a Consequence of the COVID-19 Pandemic?. <i>Telemedicine Journal and E-Health</i> , 2022, 28, 1386-1392.	2.8	1
56	Tragic Vision in <i>Romeo and Juliet</i> (by James H. Seward). <i>Shakespeare Quarterly</i> , 1976, 27, 209-210.	0.2	0
57	Heart rate and ventricular repolarization variabilities interactions modification by microgravity simulation during head-down bed rest test. , 2013, , .		0
58	Independent Component Analysis (ICA) performance to bathymetric estimation using high resolution satellite data in an estuarine environment. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
59	Reliability Loss with Sampling Rate Reduction. , 2015, , .		0
60	Heart Rate Variability in Children Submitted to Surgery. <i>Journal of Anesthesia & Clinical Research</i> , 2016, 7, .	0.1	0
61	Forecasting the local risk for asthma hospitalizations from georeferenced environmental data â€œ a pilot model. , 2017, , .		0
62	SABA overuse in the Portuguese prescription database. , 2018, , .		0
63	Are paper-based forms and telephone interview equivalent modes of administration for the Control of Allergic Rhinitis and Asthma Test (CARAT)?. , 2018, , .		0
64	Validation of app and telephonic versions of the Control of Allergic Rhinitis and Asthma Test (CARAT). , 2019, , .		0
65	Data-driven prescription patterns in patients under maintenance treatment for respiratory diseases from the Portuguese prescription database. , 2019, , .		0
66	Automatic Quality Assessment of a Forced Expiratory Manoeuvre Acquired with the Tablet Microphone. <i>IFMBE Proceedings</i> , 2020, , 1394-1398.	0.3	0
67	How Secure Is Your Mobile Health?. <i>IFMBE Proceedings</i> , 2020, , 1377-1384.	0.3	0
68	Combined Image-Based Approach for Monitoring the Adherence to Inhaled Medications. <i>IFMBE Proceedings</i> , 2020, , 1399-1404.	0.3	0
69	Feasibility of an asthma app to monitor medication adherence. , 2020, , .		0
70	Identification of clusters of asthma control: A preliminary analysis of the Inspirers studies. <i>Revista Portuguesa De Imunoalergologia</i> , 2020, 28, .	0.1	0
71	Latent classes of adults with persistent asthma: data from the multicentre INSPIRERS studies. , 2020, , .		0
72	Patient engagement with an asthma app to improve inhaler adherence. , 2020, , .		0