

# Hisham Alshaer

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

476  
citations

758635

12  
h-index

752256

20  
g-index

41  
all docs

41  
docs citations

41  
times ranked

633  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Respiratory Phase Identification Using Tracheal Sounds and Movements During Sleep. <i>Annals of Biomedical Engineering</i> , 2021, 49, 1521-1533.	1.3	6
2	Relative tidal volume and respiratory airflow estimation using tracheal sound and movement during sleep. <i>Journal of Sleep Research</i> , 2021, 30, e13279.	1.7	6
3	Dissociation between objectively quantified snoring and sleep quality. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2020, 41, 102283.	0.6	6
4	Portable diagnosis of sleep apnea with the validation of individual event detection. <i>Sleep Medicine</i> , 2020, 69, 51-57.	0.8	18
5	Toward mitigating pressure injuries: Detecting patient orientation from vertical bed reaction forces. <i>Journal of Rehabilitation and Assistive Technologies Engineering</i> , 2020, 7, 205566832091216.	0.6	3
6	Long-term effects of cardiac rehabilitation on sleep apnea severity in patients with coronary artery disease. <i>Journal of Clinical Sleep Medicine</i> , 2020, 16, 65-71.	1.4	9
7	Heart rate variability in pulmonary hypertension with and without sleep apnea. <i>Heliyon</i> , 2019, 5, e02034.	1.4	2
8	Diagnosis of Obstructive Sleep Apnea during Wakefulness Using Upper Airway Negative Pressure and Machine Learning. , 2019, 2019, 1605-1608.		0
9	Effect of calf muscle electrical stimulation on rostral fluid shift, snoring and obstructive sleep apnea. <i>Sleep Medicine</i> , 2019, 57, 36-42.	0.8	4
10	Relationship of stroke volume to different patterns of Cheyne-Stokes respiration in heart failure. <i>Sleep</i> , 2019, 42, .	0.6	6
11	Objective Relationship Between Sleep Apnea and Frequency of Snoring Assessed by Machine Learning. <i>Journal of Clinical Sleep Medicine</i> , 2019, 15, 463-470.	1.4	32
12	The effect of continuous positive airway pressure on spectral encephalogram characteristics in stroke patients with obstructive sleep apnea. <i>Respiratory Physiology and Neurobiology</i> , 2018, 249, 62-68.	0.7	4
13	Speech in Smartwatch based Audio. , 2018, , .		0
14	Challenges with real-world smartwatch based audio monitoring. , 2018, , .		15
15	Feasibility of Using a Smartwatch to Intensively Monitor Patients With Chronic Obstructive Pulmonary Disease: Prospective Cohort Study. <i>JMIR MHealth and UHealth</i> , 2018, 6, e10046.	1.8	40
16	Reproducibility and predictors of the apnea hypopnea index across multiple nights. <i>Sleep Science</i> , 2018, 11, 28-33.	0.4	8
17	The effect of sitting and calf activity on leg fluid and snoring. <i>Respiratory Physiology and Neurobiology</i> , 2017, 240, 1-7.	0.7	13
18	In-hospital diagnosis of sleep apnea in stroke patients using a portable acoustic device. <i>Sleep and Breathing</i> , 2017, 21, 453-460.	0.9	10

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19	Influence of head position on obstructive sleep apnea severity. <i>Sleep and Breathing</i> , 2017, 21, 821-828.	0.9	33
20	Distinct Patterns of Hyperpnea During Cheyne-Stokes Respiration: Implication for Cardiac Function in Patients With Heart Failure. <i>Journal of Clinical Sleep Medicine</i> , 2017, 13, 1235-1241.	1.4	28
21	Distinguishing Patients with Central from Obstructive Sleep Apnea Using Overnight Breath Sound Recordings. , 2017, , .		0
22	Long-term effects of cardiac rehabilitation on sleep apnea severity in patients with coronary artery disease. , 2017, , .		0
23	New Technologies for the Diagnosis of Sleep Apnea. <i>Current Hypertension Reviews</i> , 2016, 12, 48-56.	0.5	12
24	Distinguishing obstructive from central sleep apneas and hypopneas using linear SVM and acoustic features. , 2016, 2016, 2236-2240.		4
25	Comparison of in-laboratory and home diagnosis of sleep apnea using a cordless portable acoustic device. <i>Sleep Medicine</i> , 2016, 22, 91-96.	0.8	24
26	Estimation of sleep status in sleep apnea patients using a novel head actigraphy technique. , 2015, 2015, 5416-9.		3
27	Subject independent identification of breath sounds components using multiple classifiers. , 2014, , .		10
28	Relationship of Heart Rate Variability to Sleepiness in Patients with Obstructive Sleep Apnea with and without Heart Failure. <i>Journal of Clinical Sleep Medicine</i> , 2014, 10, 271-276.	1.4	40
29	A system for portable sleep apnea diagnosis using an embedded data capturing module. <i>Journal of Clinical Monitoring and Computing</i> , 2013, 27, 303-311.	0.7	30
30	Validation of an automated algorithm for detecting apneas and hypopneas by acoustic analysis of breath sounds. <i>Sleep Medicine</i> , 2013, 14, 562-571.	0.8	32
31	Classification of vibratory patterns of the upper airway during sleep. , 2013, 2013, 2080-3.		3
32	Relationship of respiratory sounds to alterations in the upper airway resistance. , 2012, 2012, 3648-51.		3
33	Monitoring of breathing phases using a bioacoustic method in healthy awake subjects. <i>Journal of Clinical Monitoring and Computing</i> , 2011, 25, 285-294.	0.7	15
34	Detection of upper airway narrowing via classification of LPC coefficients: Implications for obstructive sleep apnea diagnosis. , 2011, , .		5
35	Phase tracking of the breathing cycle in sleeping subjects by frequency analysis of acoustic data. <i>International Journal of Healthcare Technology and Management</i> , 2010, 11, 163.	0.1	6
36	A Bioacoustic Method For Monitoring Breathing Using A Non-Contact Microphone Transducer. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
37	Adaptive segmentation and normalization of breathing acoustic data of subjects with obstructive sleep apnea. , 2009, , .		7
38	Blood pressure and thermal responses to repeated whole body cold exposure: effect of winter clothing. European Journal of Applied Physiology, 2009, 107, 673-685.	1.2	23
39	Thermal Therapy: A Viable Adjunct in the Treatment of Heart Failure?. Congestive Heart Failure, 2008, 14, 180-186.	2.0	14