

Azadeh Yadollahi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81
papers

1,043
citations

18
h-index

30
g-index

85
ext. papers

1,278
ext. citations

3.4
avg, IF

4.66
L-index

#	Paper	IF	Citations
81	Sleep apnea monitoring and diagnosis based on pulse oximetry and tracheal sound signals. <i>Medical and Biological Engineering and Computing</i> , 2010 , 48, 1087-97	3.1	89
80	A robust method for estimating respiratory flow using tracheal sounds entropy. <i>IEEE Transactions on Biomedical Engineering</i> , 2006 , 53, 662-8	5	65
79	Effects of exercise training on sleep apnoea in patients with coronary artery disease: a randomised trial. <i>European Respiratory Journal</i> , 2016 , 48, 142-50	13.6	63
78	Effect of ultrafiltration on sleep apnea and sleep structure in patients with end-stage renal disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 191, 1287-94	10.2	52
77	A robust method for heart sounds localization using lung sounds entropy. <i>IEEE Transactions on Biomedical Engineering</i> , 2006 , 53, 497-502	5	50
76	Night-to-night variability in obstructive sleep apnea severity: relationship to overnight rostral fluid shift. <i>Journal of Clinical Sleep Medicine</i> , 2015 , 11, 149-56	3.1	48
75	Automatic breath and snore sounds classification from tracheal and ambient sounds recordings. <i>Medical Engineering and Physics</i> , 2010 , 32, 985-90	2.4	43
74	A randomized, double crossover study to investigate the influence of saline infusion on sleep apnea severity in men. <i>Sleep</i> , 2014 , 37, 1699-705	1.1	42
73	Noncontact Vision-Based Cardiopulmonary Monitoring in Different Sleeping Positions. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017 , 21, 1367-1375	7.2	38
72	Acoustical respiratory flow. A review of reliable methods for measuring air flow. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2007 , 26, 56-61		38
71	Effect of below-the-knee compression stockings on severity of obstructive sleep apnea. <i>Sleep Medicine</i> , 2015 , 16, 258-64	4.6	35
70	Acoustic obstructive sleep apnea detection. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 7110-3	0.9	35
69	Sleep-Disordered Breathing Is Associated With Recurrent Ischemic Stroke. <i>Stroke</i> , 2019 , 50, 571-576	6.7	35
68	Investigating the Dynamics of Supine Fluid Redistribution Within Multiple Body Segments Between Men and Women. <i>Annals of Biomedical Engineering</i> , 2015 , 43, 2131-42	4.7	31
67	Addressing Reduced Laboratory-Based Pulmonary Function Testing During a Pandemic. <i>Chest</i> , 2020 , 158, 2502-2510	5.3	29
66	The effect of fluid overload on sleep apnoea severity in haemodialysis patients. <i>European Respiratory Journal</i> , 2017 , 49,	13.6	25
65	Respiratory flow-sound relationship during both wakefulness and sleep and its variation in relation to sleep apnea. <i>Annals of Biomedical Engineering</i> , 2013 , 41, 537-46	4.7	20

64	A non-contact vision-based system for respiratory rate estimation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2014, 2014, 2119-22</i>	0.9	20
63	The effect of anthropometric variations on acoustical flow estimation: proposing a novel approach for flow estimation without the need for individual calibration. <i>IEEE Transactions on Biomedical Engineering, 2011, 58, 1663-70</i>	5	18
62	Effects of physical exercise training on nocturnal symptoms in asthma: Systematic review. <i>PLoS ONE, 2018, 13, e0204953</i>	3.7	16
61	Is Perioperative Fluid and Salt Balance a Contributing Factor in Postoperative Worsening of Obstructive Sleep Apnea?. <i>Anesthesia and Analgesia, 2016, 122, 1335-9</i>	3.9	15
60	Feature selection for swallowing sounds classification. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3172-5</i>		14
59	. <i>IEEE Access, 2020, 8, 22641-22649</i>	3.5	13
58	Vision-Based Heart and Respiratory Rate Monitoring During Sleep - A Validation Study for the Population at Risk of Sleep Apnea. <i>IEEE Journal of Translational Engineering in Health and Medicine, 2019, 7, 1900708</i>	3	12
57	Formant analysis of breath and snore sounds. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2009, 2009, 2563-6</i>	0.9	11
56	The effect of sitting and calf activity on leg fluid and snoring. <i>Respiratory Physiology and Neurobiology, 2017, 240, 1-7</i>	2.8	9
55	Automated Non-Contact Detection of Head and Body Positions During Sleep. <i>IEEE Access, 2019, 7, 72826-72834</i>	3.7	9
54	Portable diagnosis of sleep apnea with the validation of individual event detection. <i>Sleep Medicine, 2020, 69, 51-57</i>	4.6	9
53	A Subject-Specific Acoustic Model of the Upper Airway for Snoring Sounds Generation. <i>Scientific Reports, 2016, 6, 25730</i>	4.9	9
52	Contribution of rostral fluid shift to intrathoracic airway narrowing in asthma. <i>Journal of Applied Physiology, 2017, 122, 809-816</i>	3.7	8
51	Reduced Baseline Airway Caliber Relates to Larger Airway Sensitivity to Rostral Fluid Shift in Asthma. <i>Frontiers in Physiology, 2017, 8, 1012</i>	4.6	8
50	Comparison of flow-sound relationship for different features of tracheal sound. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2008, 2008, 805-8</i>	0.9	8
49	Snoring sound classification from respiratory signal. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2016, 2016, 3215-3218</i>	0.9	7
48	The Effect of Electrical Stimulation of the Calf Muscle on Leg Fluid Accumulation over a Long Period of Sitting. <i>Scientific Reports, 2017, 7, 6055</i>	4.9	7
47	Breath Analysis of Respiratory Flow using Tracheal Sounds 2007,		7

46	Acoustic estimation of neck fluid volume. <i>Annals of Biomedical Engineering</i> , 2014 , 42, 2132-42	4.7	6
45	Relationship of Fluid Accumulation in the Neck to Sleep Structure in Men during Daytime Sleep. <i>Journal of Clinical Sleep Medicine</i> , 2016 , 12, 1365-1371	3.1	6
44	Factors predisposing to worsening of sleep apnea in response to fluid overload in men. <i>Sleep Medicine</i> , 2016 , 23, 65-72	4.6	6
43	Sleep Apnea Severity Estimation from Respiratory Related Movements Using Deep Learning. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 1601-1604	0.9	6
42	Effects of Increased Pharyngeal Tissue Mass Due to Fluid Accumulation in the Neck on the Acoustic Features of Snoring Sounds in Men. <i>Journal of Clinical Sleep Medicine</i> , 2018 , 14, 1653-1660	3.1	6
41	Effect of calf muscle electrical stimulation on rostral fluid shift, snoring and obstructive sleep apnea. <i>Sleep Medicine</i> , 2019 , 57, 36-42	4.6	4
40	Effect of Ultrafiltration on Sleep Apnea and Cardiac Function in End-Stage Renal Disease. <i>American Journal of Nephrology</i> , 2020 , 51, 139-146	4.6	4
39	Modeling sleep apnea severity using bioimpedance measurements. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 5998-6001	0.9	4
38	Acoustical flow estimation in patients with obstructive sleep apnea during sleep. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 3640-3	0.9	4
37	On arithmetic misconceptions of spectral analysis of biological signals, in particular respiratory sounds. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 388-91	0.9	4
36	Measuring minimum critical flow for normal breath sounds. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2005 , 2005, 2726-9		4
35	Temporal shifts in fluid in pulmonary hypertension with and without sleep apnea. <i>Journal of Sleep Research</i> , 2019 , 28, e12863	5.8	3
34	Detecting inspiratory flow limitation with temporal features of nasal airflow. <i>Sleep Medicine</i> , 2018 , 48, 70-78	4.6	3
33	Effects of changing in the neck circumference during sleep on snoring sound characteristics. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 2235-8	0.9	3
32	Relationship of respiratory sounds to alterations in the upper airway resistance. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 3648-51	0.9	3
31	Apnea detection by acoustical means. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 4623-6		3
30	Apnea-hypopnea index (AHI) estimation using breathing Sounds, accelerometer and pulse oximeter 2019 ,		3
29	Distinguishing Obstructive Versus Central Apneas in Infrared Video of Sleep Using Deep Learning: Validation Study. <i>Journal of Medical Internet Research</i> , 2020 , 22, e17252	7.6	3

28	Effect of Simulated Obstructive Apnea on Thoracic Fluid Volume and Airway Narrowing in Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 203, 908-910	10.2	3
27	Leg fluid accumulation during prolonged sitting. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 4284-4287	0.9	3
26	Heart Rate Variability Responses of Individuals With and Without Saline-Induced Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2018 , 14, 503-510	3.1	3
25	Predicting Neck Fluid Accumulation While Supine. <i>Journal of Healthcare Engineering</i> , 2015 , 6, 673-89	3.7	2
24	Reduced genioglossus muscle activity caused by fluid overload in anesthetized rats. <i>Physiological Reports</i> , 2020 , 8, e14445	2.6	2
23	Non-contact Apnea-Hypopnea Index Estimation using Near Infrared Video. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 792-795	0.9	2
22	Automatic Respiratory Phase Identification Using Tracheal Sounds and Movements During Sleep. <i>Annals of Biomedical Engineering</i> , 2021 , 49, 1521-1533	4.7	2
21	Validating an Algorithm for Automatic Scoring of Inspiratory Flow Limitation Within a Range of Recording Settings. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2018 , 2018, 4788-4791	0.9	2
20	Do apneas and hypopneas best reflect risk for poor outcomes after stroke?. <i>Sleep Medicine</i> , 2019 , 63, 14-17	4.6	1
19	The effect of fluid overload by saline infusion on heart rate variability in men during sleep. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 2047-50	0.9	1
18	Variations in respiratory sounds in relation to fluid accumulation in the upper airways. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 2924-7	0.9	1
17	Robust respiratory flow estimation using statistical properties of tracheal sounds. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2005 , 2005, 4220-3		1
16	Noncontact Sleep Monitoring With Infrared Video Data to Estimate Sleep Apnea Severity and Distinguish Between Positional and Nonpositional Sleep Apnea: Model Development and Experimental Validation. <i>Journal of Medical Internet Research</i> , 2021 , 23, e26524	7.6	1
15	Measurement of leg fluid volume using bioelectrical impedance (1156.14). <i>FASEB Journal</i> , 2014 , 28, 1156.14	6.14	1
14	Sleep/Wakefulness Detection Using Tracheal Sounds and Movements. <i>Nature and Science of Sleep</i> , 2020 , 12, 1009-1021	3.6	1
13	Ultrasonographic Measurement of Pharyngeal-Airway Dimension and Its Relationship with Obesity and Sleep-Disordered Breathing. <i>Ultrasound in Medicine and Biology</i> , 2020 , 46, 2998-3007	3.5	1
12	Removing of Snoring Segments from Tracheal Breathing Sounds using a Wavelet-based Algorithm. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2020 , 2020, 764-767	0.9	1
11	Relative tidal volume and respiratory airflow estimation using tracheal sound and movement during sleep. <i>Journal of Sleep Research</i> , 2021 , 30, e13279	5.8	1

10	Sleep apnea severity based on estimated tidal volume and snoring features from tracheal signals. <i>Journal of Sleep Research</i> , 2021 , e13490	5.8	1
9	Effect of Trendelenburg position and lower-body positive pressure on neck fluid distribution. <i>Journal of Applied Physiology</i> , 2019 , 126, 1259-1264	3.7	0
8	Respiratory sounds compression. <i>IEEE Transactions on Biomedical Engineering</i> , 2008 , 55, 1336-43	5	0
7	Thoracic fluid accumulation and asthma symptoms: A new contributor mechanism. <i>Porto Biomedical Journal</i> , 2019 , 4, e40	1.1	0
6	Overnight Rostral Fluid Shifts Exacerbate Obstructive Sleep Apnea After Stroke. <i>Stroke</i> , 2021 , 52, 3176-3183	3.8	0
5	Validating Automatic Diadochokinesis Analysis Methods Across Dysarthria Severity and Syllable Task in Amyotrophic Lateral Sclerosis.. <i>Journal of Speech, Language, and Hearing Research</i> , 2022 , 1-14	2.8	0
4	A novel approach for acoustic estimation of neck fluid volume between men and women. <i>Medical and Biological Engineering and Computing</i> , 2018 , 56, 113-123	3.1	
3	Robust respiratory flow estimation using statistical properties of tracheal sounds. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2005 , 2005, 1106-9		
2	Relationship between Vowel Sound Features and Pharyngeal Airway Cross-Sectional Area during Normal Breathing. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2020 , 2020, 976-979	0.9	
1	Association of Obstructive Apnea with Thoracic Fluid Shift and Small Airways Narrowing in Asthma During Sleep.. <i>Nature and Science of Sleep</i> , 2022 , 14, 891-899	3.6	