Ali Azarbarzin

List of Publications by Year
in descending order

71 papers	2,885 citations	185998 28 h-index	189595 50 g-index
73 all docs	73 docs citations	73 times ranked	1678 citing authors

#	Article	IF	Citations
1	The hypoxic burden of sleep apnoea predicts cardiovascular disease-related mortality: the Osteoporotic Fractures in Men Study and the Sleep Heart Health Study. European Heart Journal, 2019, 40, 1149-1157.	1.0	412
2	The Combination of Atomoxetine and Oxybutynin Greatly Reduces Obstructive Sleep Apnea Severity. A Randomized, Placebo-controlled, Double-Blind Crossover Trial. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1267-1276.	2.5	191
3	Phenotyping Pharyngeal Pathophysiology using Polysomnography in Patients with Obstructive Sleep Apnea. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1187-1197.	2.5	173
4	Relationship between Arousal Intensity and Heart Rate Response to Arousal. Sleep, 2014, 37, 645-653.	0.6	130
5	Quantifying the Arousal Threshold Using Polysomnography in Obstructive Sleep Apnea. Sleep, 2018, 41, .	0.6	119
6	Identifying obstructive sleep apnoea patients responsive to supplemental oxygen therapy. European Respiratory Journal, 2018, 52, 1800674.	3.1	96
7	Desipramine improves upper airway collapsibility and reduces OSA severity in patients with minimal muscle compensation. European Respiratory Journal, 2016, 48, 1340-1350.	3.1	95
8	The Sleep Apnea-Specific Hypoxic Burden Predicts Incident Heart Failure. Chest, 2020, 158, 739-750.	0.4	93
9	Automatic and Unsupervised Snore Sound Extraction From Respiratory Sound Signals. IEEE Transactions on Biomedical Engineering, 2011, 58, 1156-1162.	2.5	91
10	The Sleep Apnea–Specific Pulse-Rate Response Predicts Cardiovascular Morbidity and Mortality. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1546-1555.	2.5	88
11	Sex differences in obstructive sleep apnea phenotypes, the multi-ethnic study of atherosclerosis. Sleep, 2020, 43, .	0.6	87
12	Arousal Intensity is a Distinct Pathophysiological Trait in Obstructive Sleep Apnea. Sleep, 2016, 39, 2091-2100.	0.6	82
13	Effects of the Combination of Atomoxetine and Oxybutynin on OSA Endotypic Traits. Chest, 2020, 157, 1626-1636.	0.4	76
14	Snoring sounds variability as a signature of obstructive sleep apnea. Medical Engineering and Physics, 2013, 35, 479-485.	0.8	69
15	Multiethnic Meta-Analysis Identifies *RAI1* as a Possible Obstructive Sleep Apnea–related Quantitative Trait Locus in Men. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 391-401.	1.4	65
16	Predicting epiglottic collapse in patients with obstructive sleep apnoea. European Respiratory Journal, 2017, 50, 1700345.	3.1	57
17	Breath-holding as a means to estimate the loop gain contribution to obstructive sleep apnoea. Journal of Physiology, 2018, 596, 4043-4056.	1.3	48
18	Reboxetine Plus Oxybutynin for OSA Treatment. Chest, 2022, 161, 237-247.	0.4	47

#	ARTICLE	IF	CITATIONS
19	Estimation of Pharyngeal Collapsibility During Sleep by Peak Inspiratory Airflow. Sleep, 2017, 40, .	0.6	43
20	Zolpidem increases sleep efficiency and the respiratory arousal threshold without changing sleep apnoea severity and pharyngeal muscle activity. Journal of Physiology, 2020, 598, 4681-4692.	1.3	42
21	Arousal Responses during Overnight Polysomnography and their Reproducibility in Healthy Young Adults. Sleep, 2015, 38, 1313-1321.	0.6	38
22	Predicting sleep apnea responses to oral appliance therapy using polysomnographic airflow. Sleep, 2020, 43, .	0.6	38
23	Mandibular Advancement Device Treatment Efficacy Is Associated with Polysomnographic Endotypes. Annals of the American Thoracic Society, 2021, 18, 511-518.	1.5	38
24	Structure and severity of pharyngeal obstruction determine oral appliance efficacy in sleep apnoea. Journal of Physiology, 2019, 597, 5399-5410.	1.3	37
25	Quantifying the magnitude of pharyngeal obstruction during sleep using airflow shape. European Respiratory Journal, 2019, 54, 1802262.	3.1	36
26	Association of novel measures of sleep disturbances with blood pressure: the Multi-Ethnic Study of Atherosclerosis. Thorax, 2020, 75, 57-63.	2.7	33
27	Contribution of Arousal from Sleep to Postevent Tachycardia in Patients with Obstructive Sleep Apnea. Sleep, 2013, 36, 881-889.	0.6	32
28	Non-REM Apnea and Hypopnea Duration Varies across Population Groups and Physiologic Traits. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1173-1182.	2.5	32
29	Palatal prolapse as a signature of expiratory flow limitation and inspiratory palatal collapse in patients with obstructive sleep apnoea. European Respiratory Journal, 2018, 51, 1701419.	3.1	30
30	Ventilatory Drive Withdrawal Rather Than Reduced Genioglossus Compensation as a Mechanism of Obstructive Sleep Apnea in REM Sleep. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 219-232.	2.5	29
31	Within-night repeatability and long-term consistency of sleep apnea endotypes: the Multi-Ethnic Study of Atherosclerosis and Osteoporotic Fractures in Men Study. Sleep, 2022, 45, .	0.6	28
32	Cardiovascular Benefit of Continuous Positive Airway Pressure in Adults with Coronary Artery Disease and Obstructive Sleep Apnea without Excessive Sleepiness. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 767-774.	2.5	26
33	Respiratory Flow–Sound Relationship During Both Wakefulness and Sleep and Its Variation in Relation to Sleep Apnea. Annals of Biomedical Engineering, 2013, 41, 537-546.	1.3	25
34	Multiple, objectively measured sleep dimensions including hypoxic burden and chronic kidney disease: findings from the Multi-Ethnic Study of Atherosclerosis. Thorax, 2021, 76, 704-713.	2.7	23
35	Neural ventilatory drive decline as a predominant mechanism of obstructive sleep apnoea events. Thorax, 2022, 77, 707-716.	2.7	23
36	Characteristics and reproducibility of novel sleep EEG biomarkers and their variation with sleep apnea and insomnia in a large community-based cohort. Sleep, 2021, 44, .	0.6	22

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37	Heritability of Heart Rate Response to Arousals in Twins. Sleep, 2017, 40, .	0.6	21
38	Hypoxic burden captures sleep apnoea-specific nocturnal hypoxaemia. European Heart Journal, 2019, 40, 2989-2990.	1.0	21
39	Effects of Tiagabine on Slow Wave Sleep and Arousal Threshold in Patients With Obstructive Sleep Apnea. Sleep, 2017, 40, .	0.6	19
40	Clinical polysomnographic methods for estimating pharyngeal collapsibility in obstructive sleep apnea. Sleep, 2022, 45, .	0.6	18
41	Retropalatal and retroglossal airway compliance in patients with obstructive sleep apnea. Respiratory Physiology and Neurobiology, 2018, 258, 98-103.	0.7	17
42	Interhemispheric sleep depth coherence predicts driving safety in sleep apnea. Journal of Sleep Research, 2021, 30, e13092.	1.7	17
43	Pulse arrival time, a novel sleep cardiovascular marker: the multi-ethnic study of atherosclerosis. Thorax, 2021, 76, thoraxjnl-2020-216399.	2.7	16
44	Intra-subject variability of snoring sounds in relation to body position, sleep stage, and blood oxygen level. Medical and Biological Engineering and Computing, 2013, 51, 429-439.	1.6	14
45	Atomoxetine and fesoterodine combination improves obstructive sleep apnoea severity in patients with milder upper airway collapsibility. Respirology, 2022, 27, 975-982.	1.3	14
46	Effect of 4-Aminopyridine on Genioglossus Muscle Activity during Sleep in Healthy Adults. Annals of the American Thoracic Society, 2017, 14, 1177-1183.	1.5	13
47	Unsupervised classification of respiratory sound signal into snore/no-snore classes. , 2010, 2010, 3666-9.		11
48	Neural memory of the genioglossus muscle during sleep is stage‐dependent in healthy subjects and obstructive sleep apnoea patients. Journal of Physiology, 2018, 596, 5163-5173.	1.3	11
49	The hypoxic burden: a novel sleep apnoea severity metric and a predictor of cardiovascular mortality—Reply to 'The hypoxic burden: also known as the desaturation severity parameter'. European Heart Journal, 2019, 40, 2994-2995.	1.0	11
50	Frequency of flow limitation using airflow shape. Sleep, 2021, 44, .	0.6	11
51	Loop gain in REM versus non‐REM sleep using CPAP manipulation: A pilot study. Respirology, 2019, 24, 805-808.	1.3	10
52	Stable Breathing in Patients With Obstructive Sleep Apnea Is Associated With Increased Effort but Not Lowered Metabolic Rate. Sleep, 2017, 40, .	0.6	9
53	Impact of cold and flu medication on obstructive sleep apnoea and its underlying traits: A pilot randomized controlled trial. Respirology, 2021, 26, 485-492.	1.3	9
54	Sleep Apnea—Specific Hypoxic Burden and Not the Sleepy Phenotype as a Novel Measure of Cardiovascular and Mortality Risk in a Clinical Cohort. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 12-13.	2.5	8

#	Article	IF	Citations
55	A comparison between recording sites of snoring sounds in relation to upper airway obstruction. , 2012, 2012, 4246-9.		7
56	Nonlinear properties of snoring sounds. , 2011, , .		4
57	Do anthropometric parameters change the characteristics of snoring sound?. , 2011, 2011, 1749-52.		4
58	Acoustical flow estimation in patients with obstructive sleep apnea during Sleep. , 2012, 2012, 3640-3.		4
59	Statistical analysis of tracheal breath sounds during wakefulness for screening obstructive sleep apnea. , 2013, 2013, 4549-52.		4
60	Validating an Algorithm for Automatic Scoring of Inspiratory Flow Limitation Within a Range of Recording Settings. , 2018, 2018, 4788-4791.		4
61	Mouth Closing to Improve the Efficacy of Mandibular Advancement Devices in Sleep Apnea. Annals of the American Thoracic Society, 2022, 19, 1185-1192.	1.5	4
62	Characterization of lung-to-finger circulation time in sleep study assessment: the Multi-Ethnic Study of Atherosclerosis. Physiological Measurement, 2020, 41, 065004.	1.2	3
63	Prolonged Circulation Time Is Associated With Mortality Among Older Men With Sleep-Disordered Breathing. Chest, 2021, 159, 1610-1620.	0.4	3
64	Snoring sounds' statistical characteristics depend on anthropometric parameters. Journal of Biomedical Science and Engineering, 2012, 05, 245-254.	0.2	2
65	Reply to "Impact of obstructive sleep apnea on left ventricular mass index in men with coronary artery disease". Journal of Clinical Sleep Medicine, 2021, 17, 357-357.	1.4	1
66	Elucidation of obstructive sleep apnoea related blood pressure surge using a novel continuous beat-to-beat blood pressure monitoring system. Journal of Hypertension, 2022, 40, 520-527.	0.3	1
67	The Feasibility of Implanting a Microphone into Mouthguards for Sleep Apnea Assessment. Journal of Medical Devices, Transactions of the ASME, 2012, 6, .	0.4	0
68	Reply to Patel and Althouse: Robust Methods Are Needed to Evaluate the Pharmacologic Treatment of Obstructive Sleep Apnea. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1295-1296.	2.5	0
69	Reply to Sankari and to Kawada. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 240-241.	2.5	0
70	Response. Chest, 2021, 159, 2118-2119.	0.4	0
71	Pathophysiological determinants of the response to hypoglossal nerve stimulation in obstructive sleep apnea. , 2018, , .		0