Ali Azarbarzin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4782816/publications.pdf

Version: 2024-02-01

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	Reboxetine Plus Oxybutynin for OSA Treatment. Chest, 2022, 161, 237-247.	0.4	47
2	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
3	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
4	Sleep Apneaâ€“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
5	Neural ventilatory drive decline as a predominant mechanism of obstructive sleep apnoea events. Thorax, 2022, 77, 707-716.	2.7	23
6	Clinical polysomnographic methods for estimating pharyngeal collapsibility in obstructive sleep apnea. Sleep, 2022, 45, .	0.6	18
7	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
8	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
9	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
10	Atomoxetine and fesoterodine combination improves obstructive sleep apnoea severity in patients with milder upper airway collapsibility. Respirology, 2022, 27, 975-982.	1.3	14
11	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
12	Mandibular Advancement Device Treatment Efficacy Is Associated with Polysomnographic Endotypes. Annals of the American Thoracic Society, 2021, 18, 511-518.	1.5	38
13	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
14	Prolonged Circulation Time Is Associated With Mortality Among Older Men With Sleep-Disordered Breathing. Chest, 2021, 159, 1610-1620.	0.4	3
15	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
16	Reply to â€œImpact of obstructive sleep apnea on left ventricular mass index in men with coronary artery diseaseâ€• Journal of Clinical Sleep Medicine, 2021, 17, 357-357.	1.4	1
17	Reply to Sankari and to Kawada. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 240-241.	2.5	0
18	Pulse arrival time, a novel sleep cardiovascular marker: the multi-ethnic study of atherosclerosis. Thorax, 2021, 76, thoraxjnl-2020-216399.	2.7	16

#	Article	IF	Citations
19	Response. Chest, 2021, 159, 2118-2119.	0.4	0
20	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
21	The Sleep Apneaâ€“Specific Pulse-Rate Response Predicts Cardiovascular Morbidity and Mortality. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1546-1555.	2.5	88
22	Frequency of flow limitation using airflow shape. Sleep, 2021, 44, .	0.6	11
23	Interhemispheric sleep depth coherence predicts driving safety in sleep apnea. Journal of Sleep Research, 2021, 30, e13092.	1.7	17
24	Association of novel measures of sleep disturbances with blood pressure: the Multi-Ethnic Study of Atherosclerosis. Thorax, 2020, 75, 57-63.	2.7	33
25	Sex differences in obstructive sleep apnea phenotypes, the multi-ethnic study of atherosclerosis. Sleep, 2020, 43, .	0.6	87
26	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
27	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
28	Predicting sleep apnea responses to oral appliance therapy using polysomnographic airflow. Sleep, 2020, 43, .	0.6	38
29	Effects of the Combination of Atomoxetine and Oxybutynin on OSA Endotypic Traits. Chest, 2020, 157, 1626-1636.	0.4	76
30	The Sleep Apnea-Specific Hypoxic Burden Predicts Incident Heart Failure. Chest, 2020, 158, 739-750.	0.4	93
31	Structure and severity of pharyngeal obstruction determine oral appliance efficacy in sleep apnoea. Journal of Physiology, 2019, 597, 5399-5410.	1.3	37
32	Loop gain in REM versus nonâ€REM sleep using CPAP manipulation: A pilot study. Respirology, 2019, 24, 805-808.	1.3	10
33	The hypoxic burden: a novel sleep apnoea severity metric and a predictor of cardiovascular mortalityâ€”Reply to â€˜The hypoxic burden: also known as the desaturation severity parameterâ€™. European Heart Journal, 2019, 40, 2994-2995.	1.0	11
34	Hypoxic burden captures sleep apnoea-specific nocturnal hypoxaemia. European Heart Journal, 2019, 40, 2989-2990.	1.0	21
35	Quantifying the magnitude of pharyngeal obstruction during sleep using airflow shape. European Respiratory Journal, 2019, 54, 1802262.	3.1	36
36	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

#	Article	IF	Citations
37	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
38	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
39	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
40	Quantifying the Arousal Threshold Using Polysomnography in Obstructive Sleep Apnea. Sleep, 2018, 41, .	0.6	119
41	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
42	Multiethnic Meta-Analysis Identifies RAI1 as a Possible Obstructive Sleep Apneaâ€“related Quantitative Trait Locus in Men. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 391-401.	1.4	65
43	Validating an Algorithm for Automatic Scoring of Inspiratory Flow Limitation Within a Range of Recording Settings. , 2018, 2018, 4788-4791.		4
44	Neural memory of the genioglossus muscle during sleep is stageâ€dependent in healthy subjects and obstructive sleep apnoea patients. Journal of Physiology, 2018, 596, 5163-5173.	1.3	11
45	Identifying obstructive sleep apnoea patients responsive to supplemental oxygen therapy. European Respiratory Journal, 2018, 52, 1800674.	3.1	96
46	Breathâ€holding as a means to estimate the loop gain contribution to obstructive sleep apnoea. Journal of Physiology, 2018, 596, 4043-4056.	1.3	48
47	Retropalatal and retroglossal airway compliance in patients with obstructive sleep apnea. Respiratory Physiology and Neurobiology, 2018, 258, 98-103.	0.7	17
48	Pathophysiological determinants of the response to hypoglossal nerve stimulation in obstructive sleep apnea. , 2018, , .		0
49	Heritability of Heart Rate Response to Arousals in Twins. Sleep, 2017, 40, .	0.6	21
50	Effects of Tiagabine on Slow Wave Sleep and Arousal Threshold in Patients With Obstructive Sleep Apnea. Sleep, 2017, 40, .	0.6	19
51	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
52	Predicting epiglottic collapse in patients with obstructive sleep apnoea. European Respiratory Journal, 2017, 50, 1700345.	3.1	57
53	Estimation of Pharyngeal Collapsibility During Sleep by Peak Inspiratory Airflow. Sleep, 2017, 40, .	0.6	43
54	Stable Breathing in Patients With Obstructive Sleep Apnea Is Associated With Increased Effort but Not Lowered Metabolic Rate. Sleep, 2017, 40, .	0.6	9

#	Article	IF	Citations
55	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
56	Arousal Intensity is a Distinct Pathophysiological Trait in Obstructive Sleep Apnea. Sleep, 2016, 39, 2091-2100.	0.6	82
57	Arousal Responses during Overnight Polysomnography and their Reproducibility in Healthy Young Adults. Sleep, 2015, 38, 1313-1321.	0.6	38
58	Relationship between Arousal Intensity and Heart Rate Response to Arousal. Sleep, 2014, 37, 645-653.	0.6	130
59	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
60	Respiratory Flowâ€“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
61	Snoring sounds variability as a signature of obstructive sleep apnea. Medical Engineering and Physics, 2013, 35, 479-485.	0.8	69
62	Statistical analysis of tracheal breath sounds during wakefulness for screening obstructive sleep apnea. , 2013, 2013, 4549-52.		4
63	Contribution of Arousal from Sleep to Postevent Tachycardia in Patients with Obstructive Sleep Apnea. Sleep, 2013, 36, 881-889.	0.6	32
64	Acoustical flow estimation in patients with obstructive sleep apnea during Sleep. , 2012, 2012, 3640-3.		4
65	A comparison between recording sites of snoring sounds in relation to upper airway obstruction. , 2012, 2012, 4246-9.		7
66	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
67	Snoring soundsâ€™ statistical characteristics depend on anthropometric parameters. Journal of Biomedical Science and Engineering, 2012, 05, 245-254.	0.2	2
68	Nonlinear properties of snoring sounds. , 2011, , .		4
69	Automatic and Unsupervised Snore Sound Extraction From Respiratory Sound Signals. IEEE Transactions on Biomedical Engineering, 2011, 58, 1156-1162.	2.5	91
70	Do anthropometric parameters change the characteristics of snoring sound?. , 2011, 2011, 1749-52.		4
71	Unsupervised classification of respiratory sound signal into snore/no-snore classes. , 2010, 2010, 3666-9.		11