

Sophie Carter

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

5,797
citations

147726

31
h-index

76872

74
g-index

80
all docs

80
docs citations

80
times ranked

3016
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining Phenotypic Causes of Obstructive Sleep Apnea. Identification of Novel Therapeutic Targets. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 996-1004.	2.5	823
2	Pathophysiology of Adult Obstructive Sleep Apnea. Proceedings of the American Thoracic Society, 2008, 5, 144-153.	3.5	459
3	Central Sleep Apnea. Chest, 2007, 131, 595-607.	0.4	453
4	Phenotypic approaches to obstructive sleep apnoea – New pathways for targeted therapy. Sleep Medicine Reviews, 2018, 37, 45-59.	3.8	325
5	Eszopiclone increases the respiratory arousal threshold and lowers the apnoea/hypopnoea index in obstructive sleep apnoea patients with a low arousal threshold. Clinical Science, 2011, 120, 505-514.	1.8	281
6	Arousal from sleep: implications for obstructive sleep apnea pathogenesis and treatment. Journal of Applied Physiology, 2014, 116, 302-313.	1.2	235
7	Clinical Predictors of the Respiratory Arousal Threshold in Patients with Obstructive Sleep Apnea. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 1293-1300.	2.5	221
8	Quantifying the ventilatory control contribution to sleep apnoea using polysomnography. European Respiratory Journal, 2015, 45, 408-418.	3.1	195
9	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
10	Personalized Management Approach for OSA. Chest, 2018, 153, 744-755.	0.4	165
11	Mechanisms of Apnea. Progress in Cardiovascular Diseases, 2009, 51, 313-323.	1.6	149
12	Airway Dilator Muscle Activity and Lung Volume During Stable Breathing in Obstructive Sleep Apnea. Sleep, 2009, 32, 361-368.	0.6	147
13	Upper Airway Collapsibility (Pcrit) and Pharyngeal Dilator Muscle Activity are Sleep Stage Dependent. Sleep, 2016, 39, 511-521.	0.6	129
14	Upper Airway Collapsibility is Associated with Obesity and Hyoid Position. Sleep, 2014, 37, 1673-1678.	0.6	125
15	Trazodone Increases the Respiratory Arousal Threshold in Patients with Obstructive Sleep Apnea and a Low Arousal Threshold. Sleep, 2014, 37, 811-819.	0.6	122
16	The Influence of Obstructive Sleep Apnea and Gender on Genioglossus Activity During Rapid Eye Movement Sleep. Chest, 2009, 135, 957-964.	0.4	113
17	An Integrative Model of Physiological Traits Can be Used to Predict Obstructive Sleep Apnea and Response to Non Positive Airway Pressure Therapy. Sleep, 2015, 38, 961-70.	0.6	110
18	Obstructive Sleep Apnea without Obesity Is Common and Difficult to Treat: Evidence for a Distinct Pathophysiological Phenotype. Journal of Clinical Sleep Medicine, 2017, 13, 81-88.	1.4	99

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19	The Combination of Supplemental Oxygen and a Hypnotic Markedly Improves Obstructive Sleep Apnea in Patients with a Mild to Moderate Upper Airway Collapsibility. <i>Sleep</i> , 2016, 39, 1973-1983.	0.6	97
20	Zopiclone Increases the Arousal Threshold without Impairing Genioglossus Activity in Obstructive Sleep Apnea. <i>Sleep</i> , 2016, 39, 757-766.	0.6	82
21	Arousal Intensity is a Distinct Pathophysiological Trait in Obstructive Sleep Apnea. <i>Sleep</i> , 2016, 39, 2091-2100.	0.6	82
22	Sensorimotor function of the upper-airway muscles and respiratory sensory processing in untreated obstructive sleep apnea. <i>Journal of Applied Physiology</i> , 2011, 111, 1644-1653.	1.2	80
23	Desipramine Increases Genioglossus Activity and Reduces Upper Airway Collapsibility during Non-REM Sleep in Healthy Subjects. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 878-885.	2.5	74
24	Multinight Prevalence, Variability, and Diagnostic Misclassification of Obstructive Sleep Apnea. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 563-569.	2.5	72
25	Bi-directional relationships between co-morbid insomnia and sleep apnea (COMISA). <i>Sleep Medicine Reviews</i> , 2021, 60, 101519.	3.8	60
26	Role of common hypnotics on the phenotypic causes of obstructive sleep apnoea: paradoxical effects of zolpidem. <i>European Respiratory Journal</i> , 2017, 50, 1701344.	3.1	57
27	Effects of Inhaled Fluticasone on Upper Airway during Sleep and Wakefulness in Asthma: A Pilot Study. <i>Journal of Clinical Sleep Medicine</i> , 2014, 10, 183-193.	1.4	54
28	Comorbid insomnia and sleep apnoea is associated with all-cause mortality. <i>European Respiratory Journal</i> , 2022, 60, 2101958.	3.1	50
29	Phenotypes of responders to mandibular advancement device therapy in obstructive sleep apnea patients: A systematic review and meta-analysis. <i>Sleep Medicine Reviews</i> , 2020, 49, 101229.	3.8	49
30	Recruitment and rate-coding strategies of the human genioglossus muscle. <i>Journal of Applied Physiology</i> , 2010, 109, 1939-1949.	1.2	48
31	Zolpidem increases sleep efficiency and the respiratory arousal threshold without changing sleep apnoea severity and pharyngeal muscle activity. <i>Journal of Physiology</i> , 2020, 598, 4681-4692.	1.3	42
32	A Novel Model to Estimate Key Obstructive Sleep Apnea Endotypes from Standard Polysomnography and Clinical Data and Their Contribution to Obstructive Sleep Apnea Severity. <i>Annals of the American Thoracic Society</i> , 2021, 18, 656-667.	1.5	42
33	Different antimuscarinics when combined with atomoxetine have differential effects on obstructive sleep apnea severity. <i>Journal of Applied Physiology</i> , 2021, 130, 1373-1382.	1.2	31
34	Effect of 1â€¦month of zopiclone on obstructive sleep apnoea severity and symptoms: a randomised controlled trial. <i>European Respiratory Journal</i> , 2018, 52, 1800149.	3.1	30
35	The effect of acute morphine on obstructive sleep apnoea: a randomised double-blind placebo-controlled crossover trial. <i>Thorax</i> , 2019, 74, 177-184.	2.7	29
36	Effects of hypnotics on obstructive sleep apnea endotypes and severity: Novel insights into pathophysiology and treatment. <i>Sleep Medicine Reviews</i> , 2021, 58, 101492.	3.8	29

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37	Novel avenues to approach non-CPAP therapy and implement comprehensive obstructive sleep apnoea care. <i>European Respiratory Journal</i> , 2022, 59, 2101788.	3.1	28
38	Upper Airway Myopathy is Not Important in the Pathophysiology of Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2007, 03, 570-573.	1.4	27
39	Addition of zolpidem to combination therapy with atomoxetine&Oxxybutynin increases sleep efficiency and the respiratory arousal threshold in obstructive sleep apnoea: A randomized trial. <i>Respirology</i> , 2021, 26, 878-886.	1.3	24
40	Influence of pharyngeal muscle activity on inspiratory negative effort dependence in the human upper airway. <i>Respiratory Physiology and Neurobiology</i> , 2014, 201, 55-59.	0.7	19
41	Inspiratory pre&Omotor potentials during quiet breathing in ageing and chronic obstructive pulmonary disease. <i>Journal of Physiology</i> , 2018, 596, 6173-6189.	1.3	18
42	High nasal resistance is stable over time but poorly perceived in people with tetraplegia and obstructive sleep apnoea. <i>Respiratory Physiology and Neurobiology</i> , 2017, 235, 27-33.	0.7	17
43	Extended-Release Morphine for Chronic Breathlessness in Pulmonary Arterial Hypertension&O”A Randomized, Double-Blind, Placebo-Controlled, Crossover Study. <i>Journal of Pain and Symptom Management</i> , 2018, 56, 483-492.	0.6	17
44	Phenotypic approach to pharmacotherapy in the management of obstructive sleep apnoea. <i>Current Opinion in Pulmonary Medicine</i> , 2019, 25, 594-601.	1.2	17
45	Regional respiratory movement of the tongue is coordinated during wakefulness and is larger in severe obstructive sleep apnoea. <i>Journal of Physiology</i> , 2020, 598, 581-597.	1.3	17
46	Randomized Trial on the Effects of High-Dose Zopiclone on OSA Severity, Upper Airway Physiology, and Alertness. <i>Chest</i> , 2020, 158, 374-385.	0.4	16
47	Vulnerability to Postoperative Complications in Obstructive Sleep Apnea: Importance of Phenotypes. <i>Anesthesia and Analgesia</i> , 2021, 132, 1328-1337.	1.1	16
48	A Novel Electroencephalogram-derived Measure of Disrupted Delta Wave Activity during Sleep Predicts All-Cause Mortality Risk. <i>Annals of the American Thoracic Society</i> , 2022, 19, 649-658.	1.5	16
49	The association of co&Omorbid insomnia and sleep apnea with prevalent cardiovascular disease and incident cardiovascular events. <i>Journal of Sleep Research</i> , 2022, 31, e13563.	1.7	15
50	Effects of hypoxia on genioglossus and scalene reflex responses to brief pulses of negative upper-airway pressure during wakefulness and sleep in healthy men. <i>Journal of Applied Physiology</i> , 2008, 104, 1426-1435.	1.2	14
51	New insights into the timing and potential mechanisms of respiratory-induced cortical arousals in obstructive sleep apnea. <i>Sleep</i> , 2018, 41, .	0.6	14
52	A novel EEG marker predicts perceived sleepiness and poor sleep quality. <i>Sleep</i> , 2022, 45, .	0.6	14
53	An assessment of a simple clinical technique to estimate pharyngeal collapsibility in people with obstructive sleep apnea. <i>Sleep</i> , 2020, 43, .	0.6	11
54	Effect of upper airway fat on tongue dilation during inspiration in awake people with obstructive sleep apnea. <i>Sleep</i> , 2021, 44, .	0.6	10

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55	BAY 2253651 for the treatment of obstructive sleep apnoea: a multicentre, double-blind, randomised controlled trial (SANDMAN). <i>European Respiratory Journal</i> , 2021, 58, 2101937.	3.1	10
56	Impaired central control of sleep depth propensity as a common mechanism for excessive overnight wake time: implications for sleep apnea, insomnia and beyond. <i>Journal of Clinical Sleep Medicine</i> , 2020, 16, 341-343.	1.4	10
57	Changes in pharyngeal collapsibility and genioglossus reflex responses to negative pressure during the respiratory cycle in obstructive sleep apnoea. <i>Journal of Physiology</i> , 2020, 598, 567-580.	1.3	9
58	Patient experiences of sleep in dialysis: systematic review of qualitative studies. <i>Sleep Medicine</i> , 2021, 80, 66-76.	0.8	9
59	Chronic breathlessness and sleep problems: a population-based survey. <i>BMJ Open</i> , 2021, 11, e046425.	0.8	8
60	Altered swallowing biomechanics in people with moderate-severe obstructive sleep apnea. <i>Journal of Clinical Sleep Medicine</i> , 2021, 17, 1793-1803.	1.4	8
61	Physiological responses and perceived comfort to high-flow nasal cannula therapy in awake adults: effects of flow magnitude and temperature. <i>Journal of Applied Physiology</i> , 2021, 131, 1772-1782.	1.2	8
62	Influence of mandibular advancement on tongue dilatory movement during wakefulness and how this is related to oral appliance therapy outcome for obstructive sleep apnea. <i>Sleep</i> , 2021, 44, .	0.6	7
63	High-quality and anti-inflammatory diets and a healthy lifestyle are associated with lower sleep apnea risk. <i>Journal of Clinical Sleep Medicine</i> , 2022, 18, 1667-1679.	1.4	7
64	Is fluid overload a target to treat sleep disordered breathing in patients with end-stage renal disease, and what are the underlying mechanisms?. <i>European Respiratory Journal</i> , 2017, 49, 1700443.	3.1	6
65	Hypoglossal nerve stimulation therapy does not alter tongue protrusion strength and fatigability in obstructive sleep apnea. <i>Journal of Clinical Sleep Medicine</i> , 2020, 16, 285-292.	1.4	6
66	Development of a physiological-based model that uses standard polysomnography and clinical data to predict oral appliance treatment outcomes in obstructive sleep apnea. <i>Journal of Clinical Sleep Medicine</i> , 2022, 18, 861-870.	1.4	6
67	A systematic review and meta-analysis of upper airway sensation in obstructive sleep apnea " Implications for pathogenesis, treatment and future research directions. <i>Sleep Medicine Reviews</i> , 2022, 62, 101589.	3.8	6
68	Polysomnography with an epiglottic pressure catheter does not alter obstructive sleep apnea severity or sleep efficiency. <i>Journal of Sleep Research</i> , 2019, 28, e12773.	1.7	5
69	Current Knowledge and Perspectives for Pharmacological Treatment in OSA. <i>Archivos De Bronconeumologia</i> , 2022, 58, 681-684.	0.4	5
70	The human upper airway: more than a floppy tube. <i>Journal of Applied Physiology</i> , 2014, 116, 288-290.	1.2	4
71	Nocturnal swallowing augments arousal intensity and arousal tachycardia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8624-8632.	3.3	4
72	Knowledge, attitudes, and practice patterns of obstructive sleep apnea among speech-language pathologists. <i>Sleep and Breathing</i> , 2022, 26, 1141-1152.	0.9	4

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73	Breath-to-breath reflex modulation of genioglossus muscle activity in obstructive sleep apnea. <i>Sleep Medicine</i> , 2016, 21, 45-46.	0.8	3
74	Central apnea and decreased drive to upper airway motoneurons during high flow nasal cannula therapy. <i>Sleep Medicine</i> , 2020, 69, 98-99.	0.8	3
75	Obstructive sleep apnea endotypes and their postoperative relevance. <i>International Anesthesiology Clinics</i> , 2022, 60, 1-7.	0.3	3
76	The relationship between mandibular advancement, tongue movement, and treatment outcome in obstructive sleep apnea. <i>Sleep</i> , 2022, , .	0.6	3
77	Tongue acceleration in humans evoked with intramuscular electrical stimulation of genioglossus. <i>Respiratory Physiology and Neurobiology</i> , 2022, 295, 103786.	0.7	1
78	Airway Dilator Muscle Activity and Lung Volume During Stable Breathing in Obstructive Sleep Apnea. <i>Sleep</i> , 2009, , .	0.6	1
79	Regional genioglossus reflex responses to negative pressure pulses in people with obstructive sleep apnea. <i>Journal of Applied Physiology</i> , 2022, 133, 755-765.	1.2	1
80	When insulin has to work hard to keep the sugar at bay the upper airway collapses away. <i>European Respiratory Journal</i> , 2016, 47, 1611-1614.	3.1	0