

# David R Hillman

## List of Publications by Year in descending order

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84  
papers

7,381  
citations

76326

40  
h-index

64796

79  
g-index

86  
all docs

86  
docs citations

86  
times ranked

10326  
citing authors

#	ARTICLE	IF	CITATIONS
1	Treatment options for obstructive sleep apnea. International Anesthesiology Clinics, 2022, Publish Ahead of Print, .	0.8	0
2	Is Continuous Positive Airway Pressure All There Is? Alternative Perioperative Treatments for Obstructive Sleep Apnea. Anesthesiology, 2022, 137, 1-3.	2.5	3
3	Whole-genome association analyses of sleep-disordered breathing phenotypes in the NHLBI TOPMed program. Genome Medicine, 2021, 13, 136.	8.2	16
4	The Growing Role of Sleep Medicine in Anesthesia Care. ASA Monitor, 2021, 85, 43-44.	0.1	0
5	Cohort profile: The Western Australian Sleep health study, a prospective sleep clinic cohort study. Sleep Epidemiology, 2021, 1, 100010.	1.6	2
6	Sleep and anesthesia. , 2021, , .		0
7	Comparison of Collapsibility of the Human Upper Airway During Anesthesia and During Sleep. Anesthesia and Analgesia, 2020, 130, 1008-1017.	2.2	19
8	The prevalence of common sleep disorders in young adults: a descriptive population-based study. Sleep, 2020, 43, .	1.1	42
9	Bilateral hypoglossal nerve stimulation for treatment of adult obstructive sleep apnoea. European Respiratory Journal, 2020, 55, 1901320.	6.7	87
10	Associations of variants in the hexokinase 1 and interleukin 18 receptor regions with oxyhemoglobin saturation during sleep. PLoS Genetics, 2019, 15, e1007739.	3.5	28
11	Effects of Ongoing Feedback During a 12-Month Maintenance Walking Program on Daily Physical Activity in People with COPD. Lung, 2019, 197, 315-319.	3.3	11
12	People With COPD Who Respond to Ground-Based Walking Training Are Characterized by Lower Pre-training Exercise Capacity and Better Lung Function and Have Greater Progression in Walking Training Distance. Journal of Cardiopulmonary Rehabilitation and Prevention, 2019, 39, 338-343.	2.1	4
13	Upper Airway Collapsibility during Dexmedetomidine and Propofol Sedation in Healthy Volunteers. Anesthesiology, 2019, 131, 962-973.	2.5	39
14	The minimal detectable difference for endurance shuttle walk test performance in people with COPD on completion of a program of high-intensity ground-based walking. Respiratory Medicine, 2019, 146, 18-22.	2.9	1
15	The effect of temazepam on assessment of severity of obstructive sleep apnea by polysomnography. Sleep and Breathing, 2019, 23, 49-56.	1.7	4
16	Multiethnic Meta-Analysis Identifies <i>RAI1</i> as a Possible Obstructive Sleep Apnea-related Quantitative Trait Locus in Men. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 391-401.	2.9	65
17	Subspecialization and Clinical Guidelines. Anesthesia and Analgesia, 2018, 127, 815-816.	2.2	1
18	Discerning depressive symptoms in patients with obstructive sleep apnea: the effect of continuous positive airway pressure therapy on Hamilton Depression Rating Scale symptoms. Sleep, 2018, 41, .	1.1	8

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19	Perioperative management of obstructive sleep apnea in bariatric surgery: a consensus guideline. <i>Surgery for Obesity and Related Diseases</i> , 2017, 13, 1095-1109.	1.2	116
20	Anaesthetic management of sleep-disordered breathing in adults. <i>Respirology</i> , 2017, 22, 230-239.	2.3	25
21	Postoperative Sleep Disturbances. <i>Advances in Anesthesia</i> , 2017, 35, 1-24.	0.9	22
22	Effects of ground-based walking training on daily physical activity in people with COPD: A randomised controlled trial. <i>Respiratory Medicine</i> , 2017, 132, 139-145.	2.9	28
23	Society of Anesthesia and Sleep Medicine Guidelines on Preoperative Screening and Assessment of Adult Patients With Obstructive Sleep Apnea. <i>Anesthesia and Analgesia</i> , 2016, 123, 452-473.	2.2	258
24	Does smooth muscle in an intact airway undergo length adaptation during a sustained change in transmural pressure?. <i>Journal of Applied Physiology</i> , 2015, 118, 533-543.	2.5	11
25	Physical Inactivity Is Associated with Moderate-Severe Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2015, 11, 1091-1099.	2.6	50
26	Depressive Symptoms before and after Treatment of Obstructive Sleep Apnea in Men and Women. <i>Journal of Clinical Sleep Medicine</i> , 2015, 11, 1029-1038.	2.6	104
27	A Comprehensive Evaluation of a Two-Channel Portable Monitor to Rule in Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2015, 11, 433-444.	2.6	37
28	Severity of OSA Is an Independent Predictor of Incident Atrial Fibrillation Hospitalization in a Large Sleep-Clinic Cohort. <i>Chest</i> , 2015, 148, 945-952.	0.8	148
29	Effects on upper airway collapsibility of presence of a pharyngeal catheter. <i>Journal of Sleep Research</i> , 2015, 24, 92-99.	3.2	21
30	Anesthesia, Sleep, and Nasendoscopy. <i>Anesthesia and Analgesia</i> , 2014, 119, 753-754.	2.2	0
31	Hypoglossal nerve stimulation improves obstructive sleep apnea: 12-month outcomes. <i>Journal of Sleep Research</i> , 2014, 23, 77-83.	3.2	118
32	Ground-based walking training improves quality of life and exercise capacity in COPD. <i>European Respiratory Journal</i> , 2014, 44, 885-894.	6.7	56
33	High prevalence of undiagnosed obstructive sleep apnoea in the general population and methods for screening for representative controls. <i>Sleep and Breathing</i> , 2013, 17, 967-973.	1.7	117
34	Effect of the velopharynx on intraluminal pressures in reconstructed pharynges derived from individuals with and without sleep apnea. <i>Journal of Biomechanics</i> , 2013, 46, 2504-2512.	2.1	28
35	Upper Airway, Obstructive Sleep Apnea, and Anesthesia. <i>Sleep Medicine Clinics</i> , 2013, 8, 23-28.	2.6	2
36	The effect of diaphragm contraction on upper airway collapsibility. <i>Journal of Applied Physiology</i> , 2013, 115, 337-345.	2.5	17

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37	Public health implications of sleep loss: the community burden. <i>Medical Journal of Australia</i> , 2013, 199, S7-10.	1.7	121
38	Excessive Daytime Sleepiness Increases the Risk of Motor Vehicle Crash in Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2013, 09, 1013-1021.	2.6	106
39	Control of OSA During Automatic Positive Airway Pressure Titration in a Clinical Case Series: Predictors and Accuracy of Device Download Data. <i>Sleep</i> , 2012, 35, 1277-1283.	1.1	24
40	A Genome-Wide Association Search for Type 2 Diabetes Genes in African Americans. <i>PLoS ONE</i> , 2012, 7, e29202.	2.5	197
41	Interrelationships between Body Mass, Oxygen Desaturation, and Apnea-Hypopnea Indices in a Sleep Clinic Population. <i>Sleep</i> , 2012, 35, 89-96.	1.1	47
42	Treating Obstructive Sleep Apnea with Hypoglossal Nerve Stimulation. <i>Sleep</i> , 2011, 34, 1479-1486.	1.1	229
43	Opioid Modeling of Central Respiratory Drive Must Take Upper Airway Obstruction into Account. <i>Anesthesiology</i> , 2011, 114, 219-220.	2.5	10
44	Gastro-oesophageal reflux symptoms are related to the presence and severity of obstructive sleep apnoea. <i>Journal of Sleep Research</i> , 2011, 20, 241-249.	3.2	67
45	Variability of human upper airway collapsibility during sleep and the influence of body posture and sleep stage. <i>Journal of Sleep Research</i> , 2011, 20, 533-537.	3.2	56
46	Elastic Properties of the Central Airways in Obstructive Lung Diseases Measured Using Anatomical Optical Coherence Tomography. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 612-619.	5.6	108
47	Sex Differences in the Association of Regional Fat Distribution with the Severity of Obstructive Sleep Apnea. <i>Sleep</i> , 2010, 33, 467-474.	1.1	155
48	Distribution of airway narrowing responses across generations and at branching points, assessed in vitro by anatomical optical coherence tomography. <i>Respiratory Research</i> , 2010, 11, 9.	3.6	21
49	Obstructive Sleep Apnoea: From pathogenesis to treatment: Current controversies and future directions. <i>Respirology</i> , 2010, 15, 587-595.	2.3	86
50	Airway narrowing assessed by anatomical optical coherence tomography in vitro: dynamic airway wall morphology and function. <i>Journal of Applied Physiology</i> , 2010, 108, 401-411.	2.5	42
51	Continuous positive airway pressure titration for obstructive sleep apnoea: automatic versus manual titration. <i>Thorax</i> , 2010, 65, 606-611.	5.6	38
52	Feasibility of Applying Real-time Optical Imaging During Bronchoscopic Interventions for Central Airway Obstruction. <i>Journal of Bronchology and Interventional Pulmonology</i> , 2010, 17, 307-316.	1.4	11
53	Anesthesia, Sleep, and Upper Airway Collapsibility. <i>Anesthesiology Clinics</i> , 2010, 28, 443-455.	1.4	46
54	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. <i>Nature Genetics</i> , 2010, 42, 105-116.	21.4	1,982

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55	Respiratory gating of anatomical optical coherence tomography images of the human airway. Optics Express, 2009, 17, 6568.	3.4	26
56	In vivo 4D imaging of the human lower airway using anatomical optical coherence tomography. , 2009, , .		1
57	Using Optical Coherence Tomography To Improve Diagnostic and Therapeutic Bronchoscopy. Chest, 2009, 136, 272-276.	0.8	62
58	Evolution of Changes in Upper Airway Collapsibility during Slow Induction of Anesthesia with Propofol. Anesthesiology, 2009, 111, 63-71.	2.5	186
59	Obstructive sleep apnoea and nocturnal gastroesophageal reflux are common in lung transplant patients. Respirology, 2008, 13, 1045-1052.	2.3	10
60	Evaluation of pharyngeal shape and size using anatomical optical coherence tomography in individuals with and without obstructive sleep apnoea. Journal of Sleep Research, 2008, 17, 230-238.	3.2	93
61	Anatomical Optical Coherence Tomography for Long-Term, Portable, Quantitative Endoscopy. IEEE Transactions on Biomedical Engineering, 2008, 55, 1438-1446.	4.2	37
62	Estimating Maximum Work Rate During Incremental Cycle Ergometry Testing From Six-Minute Walk Distance in Patients With Chronic Obstructive Pulmonary Disease. Archives of Physical Medicine and Rehabilitation, 2008, 89, 1782-1787.	0.9	62
63	Applying anatomical optical coherence tomography to quantitative 3D imaging of the lower airway. Optics Express, 2008, 16, 17521.	3.4	60
64	Respiratory gating of endoscopic OCT images of the upper airway. , 2008, , .		1
65	Influence of Head Extension, Flexion, and Rotation on Collapsibility of the Passive Upper Airway. Sleep, 2008, , .	1.1	27
66	Effect of Body Posture on Pharyngeal Shape and Size in Adults With and Without Obstructive Sleep Apnea. Sleep, 2008, 31, 1543-1549.	1.1	87
67	Influence of head extension, flexion, and rotation on collapsibility of the passive upper airway. Sleep, 2008, 31, 1440-7.	1.1	64
68	The impact of continuous positive airway pressure on the lower esophageal sphincter. American Journal of Physiology - Renal Physiology, 2007, 292, G1200-G1205.	3.4	45
69	Modulation of upper and lower esophageal sphincter tone during sleep. Sleep Medicine, 2007, 8, 135-143.	1.6	35
70	Sleep, anesthesia, and the upper airway. Seminars in Anesthesia, 2007, 26, 65-72.	0.3	2
71	The Economic Cost of Sleep Disorders. Sleep, 2006, 29, 299-305.	1.1	277
72	Quantitative Upper Airway Imaging with Anatomic Optical Coherence Tomography. American Journal of Respiratory and Critical Care Medicine, 2006, 173, 226-233.	5.6	143

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73	Collapsibility of the Upper Airway at Different Concentrations of Propofol Anesthesia. <i>Anesthesiology</i> , 2005, 103, 470-477.	2.5	292
74	Obstructive sleep apnoea and anaesthesia. <i>Sleep Medicine Reviews</i> , 2004, 8, 459-471.	8.5	91
75	Physiologic Responses to Incremental and Self-Paced Exercise in COPD. <i>Chest</i> , 2004, 126, 766-773.	0.8	150
76	In vivo size and shape measurement of the human upper airway using endoscopic long-range optical coherence tomography. <i>Optics Express</i> , 2003, 11, 1817.	3.4	100
77	Heterogeneous activity of the human genioglossus muscle assessed by multiple bipolar fine-wire electrodes. <i>Journal of Applied Physiology</i> , 2003, 94, 1849-1858.	2.5	70
78	Effect of surface tension of mucosal lining liquid on upper airway mechanics in anesthetized humans. <i>Journal of Applied Physiology</i> , 2003, 95, 357-363.	2.5	36
79	Collapsibility of the Upper Airway during Anesthesia with Isoflurane. <i>Anesthesiology</i> , 2002, 97, 786-793.	2.5	148
80	Comparison of upper airway collapse during general anaesthesia and sleep. <i>Lancet, The</i> , 2002, 359, 1207-1209.	13.7	164
81	Radiofrequency Tissue Volume Reduction of the Soft Palate in Simple Snoring. <i>JAMA Otolaryngology</i> , 2000, 126, 602.	1.2	39
82	Dental Side Effects of an Oral Device to Treat Snoring and Obstructive Sleep Apnea. <i>Sleep</i> , 1999, 22, 237-240.	1.1	188
83	CPAP with Minimal Work of Breathing. <i>Chest</i> , 1986, 90, 151.	0.8	1
84	Continuous positive airway pressure. <i>Critical Care Medicine</i> , 1985, 13, 38-43.	0.9	28