

David R Hillman

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.

79
papers

5,779
citations

37
h-index

76
g-index

86
ext. papers

6,661
ext. citations

4.6
avg, IF

5.03
L-index

#	Paper	IF	Citations
79	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. <i>Nature Genetics</i> , 2010 , 42, 105-16	36.3	1673
78	Collapsibility of the upper airway at different concentrations of propofol anesthesia. <i>Anesthesiology</i> , 2005 , 103, 470-7	4.3	242
77	The economic cost of sleep disorders. <i>Sleep</i> , 2006 , 29, 299-305	1.1	232
76	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, 452-73	3.9	192
75	Treating obstructive sleep apnea with hypoglossal nerve stimulation. <i>Sleep</i> , 2011 , 34, 1479-86	1.1	181
74	Dental side effects of an oral device to treat snoring and obstructive sleep apnea. <i>Sleep</i> , 1999 , 22, 237-40	1.1	155
73	Evolution of changes in upper airway collapsibility during slow induction of anesthesia with propofol. <i>Anesthesiology</i> , 2009 , 111, 63-71	4.3	141
72	Comparison of upper airway collapse during general anaesthesia and sleep. <i>Lancet, The</i> , 2002 , 359, 1207-9	4.0	139
71	A genome-wide association search for type 2 diabetes genes in African Americans. <i>PLoS ONE</i> , 2012 , 7, e29202	3.7	138
70	Physiologic responses to incremental and self-paced exercise in COPD: a comparison of three tests. <i>Chest</i> , 2004 , 126, 766-73	5.3	127
69	Quantitative upper airway imaging with anatomic optical coherence tomography. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006 , 173, 226-33	10.2	124
68	Sex differences in the association of regional fat distribution with the severity of obstructive sleep apnea. <i>Sleep</i> , 2010 , 33, 467-74	1.1	123
67	Collapsibility of the upper airway during anesthesia with isoflurane. <i>Anesthesiology</i> , 2002 , 97, 786-93	4.3	117
66	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	5.3	101
65	Hypoglossal nerve stimulation improves obstructive sleep apnea: 12-month outcomes. <i>Journal of Sleep Research</i> , 2014 , 23, 77-83	5.8	94
64	Public health implications of sleep loss: the community burden. <i>Medical Journal of Australia</i> , 2013 , 199, S7-10	4	89
63	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, 612-9	10.2	87

62	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, 967-73	3.1	86
61	Perioperative management of obstructive sleep apnea in bariatric surgery: a consensus guideline. <i>Surgery for Obesity and Related Diseases</i> , 2017 , 13, 1095-1109	3	84
60	Excessive daytime sleepiness increases the risk of motor vehicle crash in obstructive sleep apnea. <i>Journal of Clinical Sleep Medicine</i> , 2013 , 9, 1013-21	3.1	75
59	Depressive Symptoms before and after Treatment of Obstructive Sleep Apnea in Men and Women. <i>Journal of Clinical Sleep Medicine</i> , 2015 , 11, 1029-38	3.1	74
58	In vivo size and shape measurement of the human upper airway using endoscopic longrange optical coherence tomography. <i>Optics Express</i> , 2003 , 11, 1817-26	3.3	72
57	Obstructive Sleep Apnoea: From pathogenesis to treatment: Current controversies and future directions. <i>Respirology</i> , 2010 , 15, 587-95	3.6	71
56	Evaluation of pharyngeal shape and size using anatomical optical coherence tomography in individuals with and without obstructive sleep apnoea. <i>Journal of Sleep Research</i> , 2008 , 17, 230-8	5.8	71
55	Obstructive sleep apnoea and anaesthesia. <i>Sleep Medicine Reviews</i> , 2004 , 8, 459-71	10.2	70
54	Effect of body posture on pharyngeal shape and size in adults with and without obstructive sleep apnea. <i>Sleep</i> , 2008 , 31, 1543-9	1.1	68
53	Heterogeneous activity of the human genioglossus muscle assessed by multiple bipolar fine-wire electrodes. <i>Journal of Applied Physiology</i> , 2003 , 94, 1849-58	3.7	62
52	Influence of head extension, flexion, and rotation on collapsibility of the passive upper airway. <i>Sleep</i> , 2008 , 31, 1440-7	1.1	57
51	Estimating maximum work rate during incremental cycle ergometry testing from six-minute walk distance in patients with chronic obstructive pulmonary disease. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008 , 89, 1782-7	2.8	53
50	Gastro-oesophageal reflux symptoms are related to the presence and severity of obstructive sleep apnoea. <i>Journal of Sleep Research</i> , 2011 , 20, 241-9	5.8	52
49	Bilateral hypoglossal nerve stimulation for treatment of adult obstructive sleep apnoea. <i>European Respiratory Journal</i> , 2020 , 55,	13.6	46
48	Ground-based walking training improves quality of life and exercise capacity in COPD. <i>European Respiratory Journal</i> , 2014 , 44, 885-94	13.6	45
47	Using optical coherence tomography to improve diagnostic and therapeutic bronchoscopy. <i>Chest</i> , 2009 , 136, 272-276	5.3	45
46	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, 533-7	5.8	39
45	Applying anatomical optical coherence tomography to quantitative 3D imaging of the lower airway. <i>Optics Express</i> , 2008 , 16, 17521-9	3.3	39

44	Interrelationships between body mass, oxygen desaturation, and apnea-hypopnea indices in a sleep clinic population. <i>Sleep</i> , 2012 , 35, 89-96	1.1	38
43	Airway narrowing assessed by anatomical optical coherence tomography in vitro: dynamic airway wall morphology and function. <i>Journal of Applied Physiology</i> , 2010 , 108, 401-11	3.7	38
42	Multiethnic Meta-Analysis Identifies RAI1 as a Possible Obstructive Sleep Apnea-related Quantitative Trait Locus in Men. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018 , 58, 391-401	5.7	37
41	The impact of continuous positive airway pressure on the lower esophageal sphincter. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 292, G1200-5	5.1	37
40	Physical Inactivity Is Associated with Moderate-Severe Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2015 , 11, 1091-9	3.1	36
39	Anesthesia, sleep, and upper airway collapsibility. <i>Anesthesiology Clinics</i> , 2010 , 28, 443-55	2.3	35
38	Effect of surface tension of mucosal lining liquid on upper airway mechanics in anesthetized humans. <i>Journal of Applied Physiology</i> , 2003 , 95, 357-63	3.7	34
37	A Comprehensive Evaluation of a Two-Channel Portable Monitor to "Rule in" Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2015 , 11, 433-44	3.1	31
36	Modulation of upper and lower esophageal sphincter tone during sleep. <i>Sleep Medicine</i> , 2007 , 8, 135-43	4.6	31
35	Radiofrequency tissue volume reduction of the soft palate in simple snoring. <i>JAMA Otolaryngology</i> , 2000 , 126, 602-6		31
34	Continuous positive airway pressure titration for obstructive sleep apnoea: automatic versus manual titration. <i>Thorax</i> , 2010 , 65, 606-11	7.3	30
33	Anatomical optical coherence tomography for long-term, portable, quantitative endoscopy. <i>IEEE Transactions on Biomedical Engineering</i> , 2008 , 55, 1438-46	5	30
32	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, 2504-12	2.9	24
31	Continuous positive airway pressure: a breathing system to minimize respiratory work. <i>Critical Care Medicine</i> , 1985 , 13, 38-43	1.4	24
30	Upper Airway Collapsibility during Dexmedetomidine and Propofol Sedation in Healthy Volunteers: A Nonblinded Randomized Crossover Study. <i>Anesthesiology</i> , 2019 , 131, 962-973	4.3	23
29	Respiratory gating of anatomical optical coherence tomography images of the human airway. <i>Optics Express</i> , 2009 , 17, 6568-77	3.3	22
28	Anaesthetic management of sleep-disordered breathing in adults. <i>Respirology</i> , 2017 , 22, 230-239	3.6	18
27	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, 1277-83A	1.1	17

26	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	7.3	17
25	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	4.6	16
24	Effects on upper airway collapsibility of presence of a pharyngeal catheter. <i>Journal of Sleep Research</i> , 2015 , 24, 92-9	5.8	16
23	Associations of variants in the hexokinase 1 and interleukin 18 receptor regions with oxyhemoglobin saturation during sleep. <i>PLoS Genetics</i> , 2019 , 15, e1007739	6	14
22	The prevalence of common sleep disorders in young adults: a descriptive population-based study. <i>Sleep</i> , 2020 , 43,	1.1	13
21	The effect of diaphragm contraction on upper airway collapsibility. <i>Journal of Applied Physiology</i> , 2013 , 115, 337-45	3.7	13
20	Postoperative Sleep Disturbances: Understanding and Emerging Therapies. <i>Advances in Anesthesia</i> , 2017 , 35, 1-24	0.6	10
19	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, 533-43	3.7	9
18	Comparison of Collapsibility of the Human Upper Airway During Anesthesia and During Sleep. <i>Anesthesia and Analgesia</i> , 2020 , 130, 1008-1017	3.9	9
17	Feasibility of Applying Real-time Optical Imaging During Bronchoscopic Interventions for Central Airway Obstruction. <i>Journal of Bronchology and Interventional Pulmonology</i> , 2010 , 17, 307-16	1.8	8
16	Obstructive sleep apnoea and nocturnal gastroesophageal reflux are common in lung transplant patients. <i>Respirology</i> , 2008 , 13, 1045-52	3.6	7
15	Opioid modeling of central respiratory drive must take upper airway obstruction into account. <i>Anesthesiology</i> , 2011 , 114, 219-20; author reply 220-1	4.3	6
14	Discerning depressive symptoms in patients with obstructive sleep apnea: the effect of continuous positive airway pressure therapy on Hamilton Depression Rating Scale symptoms. <i>Sleep</i> , 2018 , 41,	1.1	6
13	The effect of temazepam on assessment of severity of obstructive sleep apnea by polysomnography. <i>Sleep and Breathing</i> , 2019 , 23, 49-56	3.1	4
12	Effects of Ongoing Feedback During a 12-Month Maintenance Walking Program on Daily Physical Activity in People with COPD. <i>Lung</i> , 2019 , 197, 315-319	2.9	3
11	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. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2019 , 39, 338-343	3.6	3
10	Whole-genome association analyses of sleep-disordered breathing phenotypes in the NHLBI TOPMed program. <i>Genome Medicine</i> , 2021 , 13, 136	14.4	3
9	Upper Airway, Obstructive Sleep Apnea, and Anesthesia. <i>Sleep Medicine Clinics</i> , 2013 , 8, 23-28	3.6	2

8	In vivo 4D imaging of the human lower airway using anatomical optical coherence tomography 2009,		1
7	Respiratory gating of endoscopic OCT images of the upper airway 2008,		1
6	Influence of Head Extension, Flexion, and Rotation on Collapsibility of the Passive Upper Airway. <i>Sleep</i> , 2008,	1.1	1
5	Sleep, anesthesia, and the upper airway. <i>Seminars in Anesthesia</i> , 2007 , 26, 65-72		1
4	CPAP with minimal work of breathing. <i>Chest</i> , 1986 , 90, 151	5.3	1
3	Cohort profile: The Western Australian Sleep health study, a prospective sleep clinic cohort study. <i>Sleep Epidemiology</i> , 2021 , 1, 100010		0
2	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. <i>Respiratory Medicine</i> , 2019 , 146, 18-22	4.6	0
1	The Growing Role of Sleep Medicine in Anesthesia Care. <i>ASA Monitor</i> , 2021 , 85, 43-44	0.4	