

David F Smith

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.

110
papers

4,354
citations

28
h-index

64
g-index

121
ext. papers

5,075
ext. citations

5.8
avg, IF

5.61
L-index

#	Paper	IF	Citations
110	Circulating activated platelets exacerbate atherosclerosis in mice deficient in apolipoprotein E. <i>Nature Medicine</i> , 2003 , 9, 61-7	50.5	820
109	Selected ion flow tube mass spectrometry (SIFT-MS) for on-line trace gas analysis. <i>Mass Spectrometry Reviews</i> , 2005 , 24, 661-700	11	596
108	Critical role of endothelial CXCR2 in LPS-induced neutrophil migration into the lung. <i>Journal of Clinical Investigation</i> , 2006 , 116, 695-702	15.9	242
107	Human papillomavirus-related carcinomas of the sinonasal tract. <i>American Journal of Surgical Pathology</i> , 2013 , 37, 185-92	6.7	203
106	Critical role of macrophage 12/15-lipoxygenase for atherosclerosis in apolipoprotein E-deficient mice. <i>Circulation</i> , 2004 , 110, 2024-31	16.7	171
105	A database of tissue-specific rhythmically expressed human genes has potential applications in circadian medicine. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	118
104	The challenge of breath analysis for clinical diagnosis and therapeutic monitoring. <i>Analyst, The</i> , 2007 , 132, 390-6	5	109
103	GRO family chemokines are specialized for monocyte arrest from flow. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H1976-84	5.2	95
102	Dosing time matters. <i>Science</i> , 2019 , 365, 547-549	33.3	92
101	Volatile metabolites in the exhaled breath of healthy volunteers: their levels and distributions. <i>Journal of Breath Research</i> , 2007 , 1, 014004	3.1	91
100	Ambient analysis of trace compounds in gaseous media by SIFT-MS. <i>Analyst, The</i> , 2011 , 136, 2009-32	5	90
99	Racial/ethnic and socioeconomic disparities in the diagnosis and treatment of sleep-disordered breathing in children. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2011 , 75, 299-307	1.7	90
98	A selected ion flow tube mass spectrometry study of ammonia in mouth- and nose-exhaled breath and in the oral cavity. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 783-9	2.2	78
97	Isoprene levels in the exhaled breath of 200 healthy pupils within the age range 7-18 years studied using SIFT-MS. <i>Journal of Breath Research</i> , 2010 , 4, 017101	3.1	71
96	Leukocyte phosphoinositide-3 kinase {gamma} is required for chemokine-induced, sustained adhesion under flow in vivo. <i>Journal of Leukocyte Biology</i> , 2006 , 80, 1491-9	6.5	71
95	Racial/ethnic and socioeconomic disparities in the prevalence and treatment of otitis media in children in the United States. <i>Laryngoscope</i> , 2010 , 120, 2306-12	3.6	65
94	Induction of LFA-1-dependent neutrophil rolling on ICAM-1 by engagement of E-selectin. <i>Microcirculation</i> , 2006 , 13, 99-109	2.9	65

93	Analysis of head impact exposure and brain microstructure response in a season-long application of a jugular vein compression collar: a prospective, neuroimaging investigation in American football. <i>British Journal of Sports Medicine</i> , 2016 , 50, 1276-1285	10.3	55
92	Alpha 2,3-sialyltransferase-IV is essential for L-selectin ligand function in inflammation. <i>European Journal of Immunology</i> , 2006 , 36, 3207-15	6.1	54
91	Population-level rhythms in human skin with implications for circadian medicine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 12313-12318	11.5	54
90	Analysis of ketones by selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003 , 17, 2655-60	2.2	52
89	Hypoxia induces a time- and tissue-specific response that elicits intertissue circadian clock misalignment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 779-786	11.5	44
88	The Effects of External Jugular Compression Applied during Head Impact Exposure on Longitudinal Changes in Brain Neuroanatomical and Neurophysiological Biomarkers: A Preliminary Investigation. <i>Frontiers in Neurology</i> , 2016 , 7, 74	4.1	44
87	Galectins are human milk glycan receptors. <i>Glycobiology</i> , 2016 , 26, 655-69	5.8	32
86	Selected Ion Flow-Drift Tube Mass Spectrometry: Quantification of Volatile Compounds in Air and Breath. <i>Analytical Chemistry</i> , 2015 , 87, 12151-60	7.8	32
85	Outcomes of Drug-Induced Sleep Endoscopy-Directed Surgery for Pediatric Obstructive Sleep Apnea. <i>Otolaryngology - Head and Neck Surgery</i> , 2018 , 158, 559-565	5.5	32
84	FCM Software Aids Extracellular Vesicle Light Scatter Standardization. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020 , 97, 569-581	4.6	31
83	White matter alterations over the course of two consecutive high-school football seasons and the effect of a jugular compression collar: A preliminary longitudinal diffusion tensor imaging study. <i>Human Brain Mapping</i> , 2018 , 39, 491-508	5.9	28
82	Human papillomavirus status of head and neck cancer as determined in cytologic specimens using the hybrid-capture 2 assay. <i>Oral Oncology</i> , 2014 , 50, 600-4	4.4	28
81	Pitfalls in the analysis of volatile breath biomarkers: suggested solutions and SIFT-MS quantification of single metabolites. <i>Journal of Breath Research</i> , 2015 , 9, 022001	3.1	27
80	Complex refractive index spectra of whole blood and aqueous solutions of anticoagulants, analgesics and buffers in the mid-infrared. <i>Scientific Reports</i> , 2017 , 7, 7356	4.9	27
79	OSA and Cardiovascular Risk in Pediatrics. <i>Chest</i> , 2019 , 156, 402-413	5.3	26
78	Altered brain microstructure in association with repetitive subconcussive head impacts and the potential protective effect of jugular vein compression: a longitudinal study of female soccer athletes. <i>British Journal of Sports Medicine</i> , 2019 , 53, 1539-1551	10.3	26
77	Quantification by SIFT-MS of volatile compounds emitted by in vitro cultures of <i>S. aureus</i> , <i>S. pneumoniae</i> and <i>H. influenzae</i> isolated from patients with respiratory diseases. <i>Analytical Methods</i> , 2014 , 6, 2460	3.2	24
76	Reactions of the selected ion flow tube mass spectrometry reagent ions H ₃ O(+) and NO(+) with a series of volatile aldehydes of biogenic significance. <i>Rapid Communications in Mass Spectrometry</i> , 2014 , 28, 1917-28	2.2	24

75	Chronic rhinosinusitis in children: race and socioeconomic status. <i>Otolaryngology - Head and Neck Surgery</i> , 2013 , 149, 639-44	5.5	24
74	The quantification of carbon dioxide in humid air and exhaled breath by selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 1419-25	2.2	24
73	Whose experience is measured? A pilot study of patient satisfaction demographics in pediatric otolaryngology. <i>Laryngoscope</i> , 2014 , 124, 290-4	3.6	23
72	The prevalence of sleepiness and the risk of sleep-disordered breathing in children with positive allergy test. <i>International Forum of Allergy and Rhinology</i> , 2012 , 2, 139-43	6.3	23
71	Weight gain after adenotonsillectomy is more common in young children. <i>Otolaryngology - Head and Neck Surgery</i> , 2013 , 148, 488-93	5.5	23
70	Status of selected ion flow tube MS: accomplishments and challenges in breath analysis and other areas. <i>Bioanalysis</i> , 2016 , 8, 1183-201	2.1	22
69	On-line analysis of diesel engine exhaust gases by selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 2830-8	2.2	22
68	Surgical management of OSA in adults. <i>Chest</i> , 2015 , 147, 1681-1690	5.3	21
67	Quantification by SIFT-MS of volatile compounds emitted by <i>Aspergillus fumigatus</i> cultures and in co-culture with <i>Pseudomonas aeruginosa</i> , <i>Staphylococcus aureus</i> and <i>Streptococcus pneumoniae</i> . <i>Analytical Methods</i> , 2014 , 6, 8154-8164	3.2	20
66	Short- versus Long-term Stenting in Children with Subglottic Stenosis Undergoing Laryngotracheal Reconstruction. <i>Otolaryngology - Head and Neck Surgery</i> , 2018 , 158, 375-380	5.5	19
65	Kinetics of ethanol decay in mouth- and nose-exhaled breath measured on-line by selected ion flow tube mass spectrometry following varying doses of alcohol. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 1066-74	2.2	19
64	Genomics-informed responses in the elimination of COVID-19 in Victoria, Australia: an observational, genomic epidemiological study. <i>Lancet Public Health, The</i> , 2021 , 6, e547-e556	22.4	17
63	Increase of acetone emitted by urine in relation to ovulation. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2006 , 85, 1008-11	3.8	16
62	Inflammatory Milieu and Cardiovascular Homeostasis in Children With Obstructive Sleep Apnea. <i>Sleep</i> , 2017 , 40,	1.1	15
61	Circadian Dysregulation: The Next Frontier in Obstructive Sleep Apnea Research. <i>Otolaryngology - Head and Neck Surgery</i> , 2018 , 159, 948-955	5.5	15
60	Neck Collar with Mild Jugular Vein Compression Ameliorates Brain Activation Changes during a Working Memory Task after a Season of High School Football. <i>Journal of Neurotrauma</i> , 2017 , 34, 2432-2444	5.4	14
59	Direct detection and quantification of malondialdehyde vapour in humid air using selected ion flow tube mass spectrometry supported by gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2015 , 29, 1069-79	2.2	14
58	Sleep Disorders and Their Management in Children With Ehlers-Danlos Syndrome Referred to Sleep Clinics. <i>Journal of Clinical Sleep Medicine</i> , 2018 , 14, 623-629	3.1	14

57	Intraoperative laser-assisted indocyanine green imaging for objective measurement of the vascular delay technique in locoregional head and neck flaps. <i>JAMA Facial Plastic Surgery</i> , 2014 , 16, 343-7	3.2	13
56	Therapeutic Targeting of Follicular T Cells with Chimeric Antigen Receptor-Expressing Natural Killer Cells. <i>Cell Reports Medicine</i> , 2020 , 1,	18	12
55	Complete traumatic laryngotracheal disruption--a case report and review. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2009 , 73, 1817-20	1.7	12
54	Pathogenicity and transmission of a swine influenza A(H6N6) virus. <i>Emerging Microbes and Infections</i> , 2017 , 6, e17	18.9	11
53	Mild Jugular Compression Collar Ameliorated Changes in Brain Activation of Working Memory after One Soccer Season in Female High School Athletes. <i>Journal of Neurotrauma</i> , 2018 , 35, 1248-1259	5.4	11
52	Managing chronic conditions care across primary care and hospital systems: lessons from an Australian Hospital Avoidance Risk Program using the Flinders Chronic Condition Management Program. <i>Australian Health Review</i> , 2018 , 42, 542-549	1.8	11
51	Effect of Internal Jugular Vein Compression on Intracranial Hemorrhage in a Porcine Controlled Cortical Impact Model. <i>Journal of Neurotrauma</i> , 2017 , 34, 1703-1709	5.4	11
50	Admission Criteria for Children With Obstructive Sleep Apnea After Adenotonsillectomy: Considerations for Cost. <i>Journal of Clinical Sleep Medicine</i> , 2017 , 13, 1463-1472	3.1	11
49	Medium-chain acyl coenzyme A dehydrogenase deficiency: occurrence in an infant and his father. <i>Archives of Neurology</i> , 2001 , 58, 811-4		11
48	A population-based gene expression signature of molecular clock phase from a single epidermal sample. <i>Genome Medicine</i> , 2020 , 12, 73	14.4	11
47	Selected ion flow tube study of the reactions of H O and NO with a series of primary alcohols in the presence of water vapour in support of selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017 , 31, 437-446	2.2	10
46	A Useful Guide to Lectin Binding: Machine-Learning Directed Annotation of 57 Unique Lectin Specificities.. <i>ACS Chemical Biology</i> , 2022 ,	4.9	10
45	Systemic Bevacizumab for Treatment of Respiratory Papillomatosis: International Consensus Statement. <i>Laryngoscope</i> , 2021 , 131, E1941-E1949	3.6	10
44	Preliminary Assessment of Dynamic Voice CT in Post-Airway Reconstruction Patients. <i>Otolaryngology - Head and Neck Surgery</i> , 2018 , 159, 516-521	5.5	9
43	Improvement in hearing loss over time in Cornelia de Lange syndrome. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2016 , 87, 203-7	1.7	8
42	Screening for Pediatric Obstructive Sleep Apnea before Ambulatory Surgery. <i>Journal of Clinical Sleep Medicine</i> , 2015 , 11, 751-5	3.1	8
41	Investigation of the First Case of Dengue Virus Infection Acquired in Western Australia in Seven Decades: Evidence of Importation of Infected Mosquitoes?. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004114	4.8	8
40	TLRs and RAGE are elevated in carotid plaques from patients with moderate-to-severe obstructive sleep apnea syndrome. <i>Sleep and Breathing</i> , 2020 , 24, 1573-1580	3.1	7

39	Impact of Low-Level Blast Exposure on Brain Function after a One-Day Tactile Training and the Ameliorating Effect of a Jugular Vein Compression Neck Collar Device. <i>Journal of Neurotrauma</i> , 2019 , 36, 721-734	5.4	7
38	Release of toxic ammonia and volatile organic compounds by heated cannabis and their relation to tetrahydrocannabinol content. <i>Analytical Methods</i> , 2015 , 7, 4104-4110	3.2	7
37	A pilot staging system to predict persistent obstructive sleep apnea in children following adenotonsillectomy. <i>Laryngoscope</i> , 2013 , 123, 1817-22	3.6	7
36	Evaluation of peroxidative stress of cancer cells in vitro by real-time quantification of volatile aldehydes in culture headspace. <i>Rapid Communications in Mass Spectrometry</i> , 2017 , 31, 1344-1352	2.2	6
35	Sleep and Circadian Medicine: Time of Day in the Neurologic Clinic. <i>Neurologic Clinics</i> , 2019 , 37, 615-629	4.5	6
34	The increase of breath ammonia induced by niacin ingestion quantified by selected ion flow tube mass spectrometry. <i>Physiological Measurement</i> , 2006 , 27, 437-44	2.9	6
33	A large-scale study reveals 24-h operational rhythms in hospital treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 20953-20958	11.5	6
32	Adherence to Guidelines for Screening Polysomnography in Children with Down Syndrome. <i>Otolaryngology - Head and Neck Surgery</i> , 2019 , 161, 157-163	5.5	5
31	Monolayer cultures of mouse cerebellar cells. <i>Tissue Culture Association Manual</i> , 1977 , 3, 691-693		5
30	Effects of Medical Therapy on Mild Obstructive Sleep Apnea in Adult Patients. <i>Journal of Clinical Sleep Medicine</i> , 2019 , 15, 979-983	3.1	5
29	Polysomnography in Pediatric Otolaryngology: If Not Obstructive Sleep Apnea, What Is It?. <i>Otolaryngology - Head and Neck Surgery</i> , 2017 , 157, 1053-1059	5.5	4
28	Temporal trends in inpatient pediatric sleep apnea surgery: 1993-2010. <i>Laryngoscope</i> , 2017 , 127, 1235-1241	3.6	4
27	Anthropometric and Dental Measurements in Children with Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2016 , 12, 1279-84	3.1	4
26	When Should You Take Your Medicines?. <i>Journal of Biological Rhythms</i> , 2019 , 34, 582-583	3.2	4
25	Patient-Derived Organotypic Epithelial Rafts Model Phenotypes in Juvenile-Onset Recurrent Respiratory Papillomatosis. <i>Viruses</i> , 2021 , 13,	6.2	4
24	Short-term exposure to intermittent hypoxia leads to changes in gene expression seen in chronic pulmonary disease. <i>ELife</i> , 2021 , 10,	8.9	4
23	Outcomes in children with down syndrome and mild obstructive sleep apnea treated non-surgically. <i>Laryngoscope</i> , 2020 , 130, 1828-1835	3.6	3
22	Sleep Architecture in Children With Down Syndrome With and Without Obstructive Sleep Apnea. <i>Otolaryngology - Head and Neck Surgery</i> , 2021 , 164, 1108-1115	5.5	3

21	Correct Data and Meta-analytic Approaches Show the Reduced Risk of Concussion for Athletes Playing at Higher Altitudes. <i>JAMA Neurology</i> , 2017 , 74, 485	17.2	2
20	Upper lateral cartilage composite flap for closure of complicated septal perforations. <i>Laryngoscope</i> , 2017 , 127, 1767-1771	3.6	2
19	Effectiveness of pediatric drug-induced sleep endoscopy for REM-predominant obstructive sleep apnea. <i>Sleep and Breathing</i> , 2020 , 24, 1705-1713	3.1	2
18	A Pilot Study of Ion - Molecule Reactions at Temperatures Relevant to the Atmosphere of Titan. <i>Origins of Life and Evolution of Biospheres</i> , 2016 , 46, 533-538	1.5	2
17	Financial incentive of home continuous positive airway pressure machine use in the inpatient hospital setting. <i>Laryngoscope</i> , 2014 , 124, 2200-4	3.6	2
16	Unverifiable publications in otolaryngology residency applications. <i>Otolaryngology - Head and Neck Surgery</i> , 2012 , 147, 249-55	5.5	2
15	HPV Strain Predicts Severity of Juvenile-Onset Recurrent Respiratory Papillomatosis with Implications for Disease Screening. <i>Cancers</i> , 2021 , 13,	6.6	2
14	Elevation of CD40/CD40L Inflammatory Pathway Molecules in Carotid Plaques from Moderate-and-Severe Obstructive Sleep Apnea Patients. <i>Diagnostics</i> , 2021 , 11,	3.8	2
13	Circadian Biology in Obstructive Sleep Apnea. <i>Diagnostics</i> , 2021 , 11,	3.8	2
12	Improving outcomes of hypoglossal nerve stimulation therapy: current practice, future directions, and research gaps. Proceedings of the 2019 International Sleep Surgery Society Research Forum. <i>Journal of Clinical Sleep Medicine</i> , 2021 , 17, 2477-2487	3.1	2
11	Demographic and Clinical Characteristics Associated With Adherence to Guideline-Based Polysomnography in Children With Down Syndrome. <i>Otolaryngology - Head and Neck Surgery</i> , 2021 , 164, 877-883	5.5	2
10	Polysomnographic Oxygen Saturation Findings for Preteen Children versus Adolescents. <i>Otolaryngology - Head and Neck Surgery</i> , 2018 , 158, 187-193	5.5	1
9	Traumatic gunshot wound to the larynx with subsequent aspiration of the bullet. <i>Clinical Practice (London, England)</i> , 2014 , 11, 149-153	3	1
8	Characteristics of patients seen by visiting psychiatrists through Medicare in a rural community mental health service with an established telemedicine service. <i>Australasian Psychiatry</i> , 2017 , 25, 266-269	1.7	1
7	Dosing Time Matters		1
6	Polysomnographic Outcomes After Observation for Mild Obstructive Sleep Apnea in Children Younger Than 3 Years. <i>Otolaryngology - Head and Neck Surgery</i> , 2021 , 164, 427-432	5.5	1
5	Early Atherosclerotic Inflammatory Pathways in Children with Obstructive Sleep Apnea. <i>Journal of Pediatrics</i> , 2021 , 239, 168-174	3.6	1
4	Epigenetics of obstructive sleep apnea syndrome: a systematic review. <i>Journal of Clinical Sleep Medicine</i> , 2021 , 17, 2533-2541	3.1	0

3	Vagus Nerve Stimulator-Associated Sleep Disordered Breathing: Identification, Treatment, and Outcomes in a Pediatric Patient. <i>Journal of Pediatric Neurology</i> , 2021 , 19, 031-035	0.2	0
2	Sleep Endoscopy and Cine Magnetic Resonance Imaging Evaluation of Children With Persistent Obstructive Sleep Apnea. <i>Otolaryngology - Head and Neck Surgery</i> , 019459982210976	5.5	
1	A Word of Caution: Adenotonsillectomy May Help Reduce Central Apneas, but It Is Not a Treatment for Central Sleep Apnea. <i>Laryngoscope</i> ,	3.6	