

David F Smith

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

5,794
citations

136950

32
h-index

79698

73
g-index

121
all docs

121
docs citations

121
times ranked

7480
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating activated platelets exacerbate atherosclerosis in mice deficient in apolipoprotein E. <i>Nature Medicine</i> , 2003, 9, 61-67.	30.7	931
2	Selected ion flow tube mass spectrometry (SIFT-MS) for on-line trace gas analysis. <i>Mass Spectrometry Reviews</i> , 2005, 24, 661-700.	5.4	683
3	Critical role of endothelial CXCR2 in LPS-induced neutrophil migration into the lung. <i>Journal of Clinical Investigation</i> , 2006, 116, 695-702.	8.2	288
4	Human Papillomavirus-related Carcinomas of the Sinonasal Tract. <i>American Journal of Surgical Pathology</i> , 2013, 37, 185-192.	3.7	247
5	A database of tissue-specific rhythmically expressed human genes has potential applications in circadian medicine. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	217
6	Critical Role of Macrophage 12/15-Lipoxygenase for Atherosclerosis in Apolipoprotein Eâ€œDeficient Mice. <i>Circulation</i> , 2004, 110, 2024-2031.	1.6	189
7	Dosing time matters. <i>Science</i> , 2019, 365, 547-549.	12.6	161
8	The challenge of breath analysis for clinical diagnosis and therapeutic monitoring. <i>Analyst, The</i> , 2007, 132, 390-396.	3.5	125
9	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.	1.0	125
10	GRO family chemokines are specialized for monocyte arrest from flow. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H1976-H1984.	3.2	114
11	Volatile metabolites in the exhaled breath of healthy volunteers: their levels and distributions. <i>Journal of Breath Research</i> , 2007, 1, 014004.	3.0	110
12	Ambient analysis of trace compounds in gaseous media by SIFT-MS. <i>Analyst, The</i> , 2011, 136, 2009.	3.5	104
13	A Useful Guide to Lectin Binding: Machine-Learning Directed Annotation of 57 Unique Lectin Specificities. <i>ACS Chemical Biology</i> , 2022, 17, 2993-3012.	3.4	103
14	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.	7.1	97
15	Isoprene levels in the exhaled breath of 200 healthy pupils within the age range 7â€œ18 years studied using SIFT-MS. <i>Journal of Breath Research</i> , 2010, 4, 017101.	3.0	90
16	A selected ion flow tube mass spectrometry study of ammonia in mouthâ€œand noseâ€œexhaled breath and in the oral cavity. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 783-789.	1.5	88
17	Racial/Ethnic and socioeconomic disparities in the prevalence and treatment of otitis media in children in the United States. <i>Laryngoscope</i> , 2010, 120, 2306-2312.	2.0	87
18	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.	7.1	79

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19	Leukocyte phosphoinositide-3 kinase $\hat{1}^3$ is required for chemokine-induced, sustained adhesion under flow in vivo. <i>Journal of Leukocyte Biology</i> , 2006, 80, 1491-1499.	3.3	75
20	Induction of LFA-1-Dependent Neutrophil Rolling on ICAM-1 by Engagement of E-Selectin. <i>Microcirculation</i> , 2006, 13, 99-109.	1.8	70
21	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.	6.7	68
22	OSA and Cardiovascular Risk in Pediatrics. <i>Chest</i> , 2019, 156, 402-413.	0.8	66
23	$\hat{1}^2,3$ -Sialyltransferase-IV is essential for L-selectin ligand function in inflammation. <i>European Journal of Immunology</i> , 2006, 36, 3207-3215.	2.9	62
24	Analysis of ketones by selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2655-2660.	1.5	61
25	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.	2.4	58
26	FCM _{PASS} 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.	1.5	58
27	Outcomes of Drug-Induced Sleep Endoscopy-Directed Surgery for Pediatric Obstructive Sleep Apnea. <i>Otolaryngology - Head and Neck Surgery</i> , 2018, 158, 559-565.	1.9	53
28	Genomics-informed responses in the elimination of COVID-19 in Victoria, Australia: an observational, genomic epidemiological study. <i>Lancet Public Health</i> , The, 2021, 6, e547-e556.	10.0	53
29	Galectins are human milk glycan receptors. <i>Glycobiology</i> , 2016, 26, 655-669.	2.5	44
30	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.	6.7	41
31	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.	3.3	39
32	Selected Ion Flow-Drift Tube Mass Spectrometry: Quantification of Volatile Compounds in Air and Breath. <i>Analytical Chemistry</i> , 2015, 87, 12151-12160.	6.5	35
33	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.	3.6	35
34	Chronic Rhinosinusitis in Children: Race and Socioeconomic Status. <i>Otolaryngology - Head and Neck Surgery</i> , 2013, 149, 639-644.	1.9	34
35	A population-based gene expression signature of molecular clock phase from a single epidermal sample. <i>Genome Medicine</i> , 2020, 12, 73.	8.2	34
36	Reactions of the selected ion flow tube mass spectrometry reagent ions H_3O^+ and NO^+ with a series of volatile aldehydes of biogenic significance. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1917-1928.	1.5	33

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37	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, 600-604.	1.5	32
38	Surgical Management of OSA in Adults. <i>Chest</i> , 2015, 147, 1681-1690.	0.8	32
39	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.	3.0	32
40	Status of selected ion flow tube MS: accomplishments and challenges in breath analysis and other areas. <i>Bioanalysis</i> , 2016, 8, 1183-1201.	1.5	31
41	Inflammatory Milieu and Cardiovascular Homeostasis in Children With Obstructive Sleep Apnea. <i>Sleep</i> , 2017, 40, .	1.1	30
42	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, 1419-1425.	1.5	28
43	Whose experience is measured?: A pilot study of patient satisfaction demographics in pediatric otolaryngology. <i>Laryngoscope</i> , 2014, 124, 290-294.	2.0	28
44	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.	2.7	28
45	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, 139-143.	2.8	27
46	On-line analysis of diesel engine exhaust gases by selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 2830-2838.	1.5	26
47	Weight Gain after Adenotonsillectomy Is More Common in Young Children. <i>Otolaryngology - Head and Neck Surgery</i> , 2013, 148, 488-493.	1.9	26
48	Short-versus Long-term Stenting in Children with Subglottic Stenosis Undergoing Laryngotracheal Reconstruction. <i>Otolaryngology - Head and Neck Surgery</i> , 2018, 158, 375-380.	1.9	25
49	Systemic Bevacizumab for Treatment of Respiratory Papillomatosis: International Consensus Statement. <i>Laryngoscope</i> , 2021, 131, E1941-E1949.	2.0	24
50	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, 1066-1074.	1.5	23
51	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.	2.7	23
52	Circadian Dysregulation: The Next Frontier in Obstructive Sleep Apnea Research. <i>Otolaryngology - Head and Neck Surgery</i> , 2018, 159, 948-955.	1.9	23
53	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, 343-347.	2.1	22
54	Therapeutic Targeting of Follicular T Cells with Chimeric Antigen Receptor-Expressing Natural Killer Cells. <i>Cell Reports Medicine</i> , 2020, 1, 100003.	6.5	22

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55	Short-term exposure to intermittent hypoxia leads to changes in gene expression seen in chronic pulmonary disease. <i>ELife</i> , 2021, 10, .	6.0	22
56	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.	3.4	20
57	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.	7.1	20
58	Pathogenicity and transmission of a swine influenza A(H6N6) virus. <i>Emerging Microbes and Infections</i> , 2017, 6, 1-13.	6.5	19
59	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.	2.6	19
60	Increase of acetone emitted by urine in relation to ovulation. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2006, 85, 1008-1011.	2.8	18
61	Adherence to Guidelines for Screening Polysomnography in Children with Down Syndrome. <i>Otolaryngology - Head and Neck Surgery</i> , 2019, 161, 157-163.	1.9	18
62	Complete traumatic laryngotracheal disruptionâ€™A case report and review. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2009, 73, 1817-1820.	1.0	17
63	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, 1069-1079.	1.5	17
64	Selected ion flow tube study of the reactions of H ₃ 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.	1.5	16
65	Admission Criteria for Children With Obstructive Sleep Apnea After Adenotonsillectomy: Considerations for Cost. <i>Journal of Clinical Sleep Medicine</i> , 2017, 13, 1463-1472.	2.6	16
66	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.	1.1	16
67	Circadian Biology in Obstructive Sleep Apnea. <i>Diagnostics</i> , 2021, 11, 1082.	2.6	16
68	Medium-Chain Acyl Coenzyme A Dehydrogenase Deficiency. <i>Archives of Neurology</i> , 2001, 58, 811.	4.5	15
69	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.	3.4	15
70	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.	3.4	12
71	Effects of Medical Therapy on Mild Obstructive Sleep Apnea in Adult Patients. <i>Journal of Clinical Sleep Medicine</i> , 2019, 15, 979-983.	2.6	12
72	Improving outcomes of hypoglossal nerve stimulation therapy: current practice, future directions, and research gaps. <i>Proceedings of the 2019 International Sleep Surgery Society Research Forum. Journal of Clinical Sleep Medicine</i> , 2021, 17, 2477-2487.	2.6	12

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73	Screening for Pediatric Obstructive Sleep Apnea before Ambulatory Surgery. <i>Journal of Clinical Sleep Medicine</i> , 2015, 11, 751-755.	2.6	11
74	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.	2.7	11
75	Preliminary Assessment of Dynamic Voice CT in Post-“Airway Reconstruction Patients. <i>Otolaryngology - Head and Neck Surgery</i> , 2018, 159, 516-521.	1.9	11
76	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.	3.4	11
77	Sleep and Circadian Medicine. <i>Neurologic Clinics</i> , 2019, 37, 615-629.	1.8	11
78	Outcomes in children with down syndrome and mild obstructive sleep apnea treated non-surgically. <i>Laryngoscope</i> , 2020, 130, 1828-1835.	2.0	11
79	Patient-Derived Organotypic Epithelial Rafts Model Phenotypes in Juvenile-Onset Recurrent Respiratory Papillomatosis. <i>Viruses</i> , 2021, 13, 68.	3.3	11
80	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.	1.7	10
81	Sleep Architecture in Children With Down Syndrome With and Without Obstructive Sleep Apnea. <i>Otolaryngology - Head and Neck Surgery</i> , 2021, 164, 1108-1115.	1.9	10
82	A pilot staging system to predict persistent obstructive sleep apnea in children following adenotonsillectomy. <i>Laryngoscope</i> , 2013, 123, 1817-1822.	2.0	9
83	Improvement in hearing loss over time in Cornelia de Lange syndrome. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2016, 87, 203-207.	1.0	9
84	When Should You Take Your Medicines?. <i>Journal of Biological Rhythms</i> , 2019, 34, 582-583.	2.6	9
85	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.	3.0	9
86	The increase of breath ammonia induced by niacin ingestion quantified by selected ion flow tube mass spectrometry. <i>Physiological Measurement</i> , 2006, 27, 437-444.	2.1	8
87	Unverifiable Publications in Otolaryngology Residency Applications. <i>Otolaryngology - Head and Neck Surgery</i> , 2012, 147, 249-255.	1.9	7
88	Evaluation of peroxidative stress of cancer cells <i>in vitro</i> by real-time quantification of volatile aldehydes in culture headspace. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1344-1352.	1.5	7
89	HPV Strain Predicts Severity of Juvenile-Onset Recurrent Respiratory Papillomatosis with Implications for Disease Screening. <i>Cancers</i> , 2021, 13, 2556.	3.7	7
90	Early Atherosclerotic Inflammatory Pathways in Children with Obstructive Sleep Apnea. <i>Journal of Pediatrics</i> , 2021, 239, 168-174.	1.8	7

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91	Anthropometric and Dental Measurements in Children with Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2016, 12, 1279-1284.	2.6	7
92	Monolayer cultures of mouse cerebellar cells. <i>Tissue Culture Association Manual</i> , 1977, 3, 691-693.	0.3	6
93	Upper lateral cartilage composite flap for closure of complicated septal perforations. <i>Laryngoscope</i> , 2017, 127, 1767-1771.	2.0	6
94	Polysomnography in Pediatric Otolaryngology: If Not Obstructive Sleep Apnea, What Is It?. <i>Otolaryngology - Head and Neck Surgery</i> , 2017, 157, 1053-1059.	1.9	6
95	Effectiveness of pediatric drug-induced sleep endoscopy for REM-predominant obstructive sleep apnea. <i>Sleep and Breathing</i> , 2020, 24, 1705-1713.	1.7	6
96	Epigenetics of obstructive sleep apnea syndrome: a systematic review. <i>Journal of Clinical Sleep Medicine</i> , 2021, 17, 2533-2541.	2.6	6
97	Sleep Endoscopy and Cine Magnetic Resonance Imaging Evaluation of Children With Persistent Obstructive Sleep Apnea. <i>Otolaryngology - Head and Neck Surgery</i> , 2023, 168, 848-855.	1.9	6
98	Temporal trends in inpatient pediatric sleep apnea surgery: 1993-2010. <i>Laryngoscope</i> , 2017, 127, 1235-1241.	2.0	5
99	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.	1.9	5
100	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.	1.9	5
101	Intermittent Hypoxia Alters the Circadian Expression of Clock Genes in Mouse Brain and Liver. <i>Genes</i> , 2021, 12, 1627.	2.4	5
102	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.	1.9	3
103	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.	0.7	3
104	Elevation of CD40/CD40L Inflammatory Pathway Molecules in Carotid Plaques from Moderate-and-Severe Obstructive Sleep Apnea Patients. <i>Diagnostics</i> , 2021, 11, 935.	2.6	3
105	Financial incentive of home continuous positive airway pressure machine use in the inpatient hospital setting. <i>Laryngoscope</i> , 2014, 124, 2200-2204.	2.0	2
106	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.	9.0	2
107	Polysomnographic Oxygen Saturation Findings for Preteen Children versus Adolescents. <i>Otolaryngology - Head and Neck Surgery</i> , 2018, 158, 187-193.	1.9	2
108	Traumatic gunshot wound to the larynx with subsequent aspiration of the bullet. <i>Clinical Practice (London, England)</i> , 2014, 11, 149-153.	0.1	1

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109	Vagus Nerve Stimulatorâ€™Associated Sleep Disordered Breathing: Identification, Treatment, and Outcomes in a Pediatric Patient. <i>Journal of Pediatric Neurology</i> , 2021, 19, 031-035.	0.2	1
110	A Word of Caution: Adenotonsillectomy May Help Reduce Central Apneas, but It Is Not a Treatment for Central Sleep Apnea. <i>Laryngoscope</i> , 2023, 133, .	2.0	0