

David Smith

List of Publications by Year in descending order

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254
papers

13,721
citations

18436

62
h-index

31759

101
g-index

255
all docs

255
docs citations

255
times ranked

6345
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass Spectrometric Quantification of Volatile Compounds Released by Fresh Atlantic Salmon Stored at 4 Å°C under Modified Atmosphere Packaging and Vacuum Packaging for up to 16 Days. <i>ACS Food Science & Technology</i> , 2022, 2, 400-414.	1.3	10
2	Ternary association reactions of H ₃ O ⁺ , NO ⁺ and O ₂ ⁺ with N ₂ , O ₂ , CO ₂ and H ₂ O; implications for selected ion flow tube mass spectrometry analyses of air and breath. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9241.	0.7	3
3	Relative influence of helium and nitrogen carrier gases on analyte ion branching ratios in SIFT-MS. <i>International Journal of Mass Spectrometry</i> , 2022, 476, 116835.	0.7	5
4	Kinetics of reactions of NH ₄ ⁺ with some biogenic organic molecules and monoterpenes in helium and nitrogen carrier gases: A potential reagent ion for selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, .	0.7	8
5	Experimental study of the reaction of O ⁺ ions with CO ₂ molecules with different ternary gases at temperatures relevant to the martian ionosphere. <i>Icarus</i> , 2021, 354, 114057.	1.1	0
6	Reagent and analyte ion hydrates in secondary electrospray ionization mass spectrometry (SESI-MS), their equilibrium distributions and dehydration in an ion transfer capillary: Modelling and experiments. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9047.	0.7	12
7	Ligand Switching Ion Chemistry: An SIFDT Case Study of the Primary and Secondary Reactions of Protonated Acetic Acid Hydrates with Acetone. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2251-2260.	1.2	7
8	Sensitivity of secondary electrospray ionization mass spectrometry to a range of volatile organic compounds: Ligand switching ion chemistry and the influence of Zspray ₂ guiding electric fields. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9187.	0.7	13
9	Experimental study of the reaction of NO ⁺ ions with CO ₂ molecules at temperatures and energies relevant to the Martian atmosphere. <i>Icarus</i> , 2020, 335, 113416.	1.1	3
10	Characterization of spoilage-related volatile organic compounds in packaged leaf salads. <i>Flavour and Fragrance Journal</i> , 2020, 35, 24-33.	1.2	8
11	Volatile compounds released by Nalophan; implications for selected ion flow tube mass spectrometry and other chemical ionisation mass spectrometry analytical methods. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8602.	0.7	11
12	Dissociation of H ₃ O ⁺ , NO ⁺ and O ₂ ⁺ reagent ions injected into nitrogen carrier gas in SIFT-MS and reactivity of the ion fragments. <i>International Journal of Mass Spectrometry</i> , 2020, 458, 116438.	0.7	10
13	Understanding Gas Phase Ion Chemistry Is the Key to Reliable Selected Ion Flow Tube-Mass Spectrometry Analyses. <i>Analytical Chemistry</i> , 2020, 92, 12750-12762.	3.2	32
14	Towards marketplace resilience: learning from trader, customer and household studies in African, Asian and Latin American cities. <i>International Journal of Urban Sustainable Development</i> , 2020, 12, 14-33.	1.0	0
15	Quantification of volatile metabolites in exhaled breath by selected ion flow tube mass spectrometry, SIFT-MS. <i>Clinical Mass Spectrometry</i> , 2020, 16, 18-24.	1.9	46
16	Selected ion flow tube mass spectrometry analyses of isobaric compounds methanol and hydrazine in humid air. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8744.	0.7	3
17	Electrostatic Switching and Selection of H ₃ O ⁺ , NO ⁺ , and O ₂ ⁺ Reagent Ions for Selected Ion Flow-Drift Tube Mass Spectrometric Analyses of Air and Breath. <i>Analytical Chemistry</i> , 2019, 91, 5380-5388.	3.2	17
18	The relational attributes of marketplaces in post-earthquake Port-au-Prince, Haiti. <i>Environment and Urbanization</i> , 2019, 31, 497-516.	1.5	2

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19	H ₃ O ⁺ , NO ⁺ and O ₂ ⁺ reactions with saturated and unsaturated monoketones and diones; focus on hydration of product ions. <i>International Journal of Mass Spectrometry</i> , 2019, 435, 173-180.	0.7	17
20	Quantification of volatile compounds released by roasted coffee by selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 739-750.	0.7	26
21	Variation in Exhaled Acetone and Other Ketones in Patients Undergoing Bariatric Surgery: a Prospective Cross-sectional Study. <i>Obesity Surgery</i> , 2018, 28, 2439-2446.	1.1	9
22	What is the real utility of breath ammonia concentration measurements in medicine and physiology?. <i>Journal of Breath Research</i> , 2018, 12, 027102.	1.5	30
23	Pentane and other volatile organic compounds, including carboxylic acids, in the exhaled breath of patients with Crohn's disease and ulcerative colitis. <i>Journal of Breath Research</i> , 2018, 12, 016002.	1.5	43
24	Quantification by SIFT-MS of volatile compounds produced by the action of sodium hypochlorite on a model system of infected root canal content. <i>PLoS ONE</i> , 2018, 13, e0198649.	1.1	9
25	Evaluation of lipid peroxidation by the analysis of volatile aldehydes in the headspace of synthetic membranes using selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1617-1628.	0.7	11
26	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.	0.7	16
27	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.	0.7	7
28	Ion chemistry at elevated ion-molecule interaction energies in a selected ion flow-drift tube: reactions of H ₃ O ⁺ , NO ⁺ and O ₂ ⁺ with saturated aliphatic ketones. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31714-31723.	1.3	18
29	On the importance of accurate quantification of individual volatile metabolites in exhaled breath. <i>Journal of Breath Research</i> , 2017, 11, 047106.	1.5	17
30	Breath concentration of acetic acid vapour is elevated in patients with cystic fibrosis. <i>Journal of Breath Research</i> , 2016, 10, 021002.	1.5	46
31	Do linear logistic model analyses of volatile biomarkers in exhaled breath of cystic fibrosis patients reliably indicate <i>Pseudomonas aeruginosa</i> infection?. <i>Journal of Breath Research</i> , 2016, 10, 036013.	1.5	22
32	Status of selected ion flow tube MS: accomplishments and challenges in breath analysis and other areas. <i>Bioanalysis</i> , 2016, 8, 1183-1201.	0.6	31
33	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.	0.8	3
34	From molecules in space to molecules in breath. <i>Paediatric Respiratory Reviews</i> , 2016, 17, 50-52.	1.2	1
35	Mass Spectrometric Analysis of Exhaled Breath for the Identification of Volatile Organic Compound Biomarkers in Esophageal and Gastric Adenocarcinoma. <i>Annals of Surgery</i> , 2015, 262, 981-990.	2.1	138
36	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.	0.7	17

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37	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.	1.3	11
38	Selected Ion Flow-Drift Tube Mass Spectrometry: Quantification of Volatile Compounds in Air and Breath. <i>Analytical Chemistry</i> , 2015, 87, 12151-12160.	3.2	35
39	Increase of methanol in exhaled breath quantified by SIFT-MS following aspartame ingestion. <i>Journal of Breath Research</i> , 2015, 9, 047104.	1.5	24
40	Product ion distributions for the reactions of NO ⁺ with some N-containing and O-containing heterocyclic compounds obtained using SRI-TOF-MS. <i>International Journal of Mass Spectrometry</i> , 2015, 386, 42-46.	0.7	3
41	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.	1.5	32
42	Quantitative analysis of volatile metabolites released <i>in vitro</i> by bacteria of the genus <i>Stenotrophomonas</i> for identification of breath biomarkers of respiratory infection in cystic fibrosis. <i>Journal of Breath Research</i> , 2015, 9, 027104.	1.5	39
43	SIFT-MS and FA-MS methods for ambient gas phase analysis: developments and applications in the UK. <i>Analyst, The</i> , 2015, 140, 2573-2591.	1.7	38
44	The SIFT and FALP techniques; applications to ionic and electronic reactions studies and their evolution to the SIFT-MS and FA-MS analytical methods. <i>International Journal of Mass Spectrometry</i> , 2015, 377, 467-478.	0.7	20
45	Breath analysis of ammonia, volatile organic compounds and deuterated water vapor in chronic kidney disease and during dialysis. <i>Bioanalysis</i> , 2014, 6, 843-857.	0.6	65
46	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, 1917-1928.	0.7	33
47	Product ion distributions for the reactions of NO ⁺ with some physiologically significant aldehydes obtained using a SRI-TOF-MS instrument. <i>International Journal of Mass Spectrometry</i> , 2014, 363, 23-31.	0.7	25
48	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.	1.3	23
49	Counting cell number in situ by quantification of dimethyl sulphide in culture headspace. <i>Analyst, The</i> , 2014, 139, 4903-4907.	1.7	4
50	Quantification by SIFT-MS of volatile compounds emitted by <i>in vitro</i> 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.	1.3	28
51	Mass spectrometry for real-time quantitative breath analysis. <i>Journal of Breath Research</i> , 2014, 8, 027101.	1.5	147
52	A quantitative study of the influence of inhaled compounds on their concentrations in exhaled breath. <i>Journal of Breath Research</i> , 2013, 7, 017106.	1.5	68
53	Selected Ion Flow Tube Mass Spectrometry Analysis of Volatile Metabolites in Urine Headspace for the Profiling of Gastro-Esophageal Cancer. <i>Analytical Chemistry</i> , 2013, 85, 3409-3416.	3.2	72
54	Selected Ion Flow Tube Mass Spectrometry Analysis of Exhaled Breath for Volatile Organic Compound Profiling of Esophago-Gastric Cancer. <i>Analytical Chemistry</i> , 2013, 85, 6121-6128.	3.2	135

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55	Quantification by SIFT-MS of acetaldehyde released by lung cells in a 3D model. <i>Analyst, The</i> , 2013, 138, 91-95.	1.7	37
56	Effects of dietary nutrients on volatile breath metabolites. <i>Journal of Nutritional Science</i> , 2013, 2, e34.	0.7	45
57	Recent SIFT-MS Studies of Volatile Compounds in Physiology, Medicine and Cell Biology. , 2013, , 48-76.		7
58	Quantification of pentane in exhaled breath, a potential biomarker of bowel disease, using selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1983-1992.	0.7	62
59	Hydrogen cyanide, a volatile biomarker of <i>Pseudomonas aeruginosa</i> infection. <i>Journal of Breath Research</i> , 2013, 7, 044001.	1.5	76
60	Is Hydrogen Cyanide a Marker of Burkholderia cepacia Complex?. <i>Journal of Clinical Microbiology</i> , 2013, 51, 3849-3851.	1.8	17
61	Account: On the Features, Successes and Challenges of Selected Ion Flow Tube Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2013, 19, 225-246.	0.5	23
62	Hydrogen cyanide concentrations in the breath of adult cystic fibrosis patients with and without <i>Pseudomonas aeruginosa</i> infection. <i>Journal of Breath Research</i> , 2013, 7, 026010.	1.5	63
63	Advances in On-line Absolute Trace Gas Analysis by SIFT-MS. <i>Current Analytical Chemistry</i> , 2013, 9, 525-539.	0.6	59
64	Editorial (Hot-Topic: Selected Ion Flow Tube Mass Spectrometry, SIFT-MS). <i>Current Analytical Chemistry</i> , 2013, 9, 523-524.	0.6	3
65	Minimising the Effects of Isobaric Product Ions in SIFT-MS Quantification of Acetaldehyde, Dimethyl Sulphide and Carbon Dioxide. <i>Current Analytical Chemistry</i> , 2013, 9, 550-557.	0.6	13
66	Breath Analysis and the Measurement of Total Body Water Using Isotope Dilution $\delta^{18}O$ Applications in the Dialysis Clinic. <i>Current Analytical Chemistry</i> , 2013, 9, 593-599.	0.6	10
67	A Model to Measure Fluid Outflow in Rabbit Capsules Post Glaucoma Implant Surgery. , 2012, 53, 6914.		11
68	Injection of deuterated water into the pulmonary/alveolar circulation; measurement of HDO in exhaled breath and implications to breath analysis. <i>Journal of Breath Research</i> , 2012, 6, 036005.	1.5	4
69	Quantification of hydrogen cyanide and 2-aminoacetophenone in the headspace of <i>Pseudomonas aeruginosa</i> cultured under biofilm and planktonic conditions. <i>Analytical Methods</i> , 2012, 4, 3661.	1.3	27
70	Selected Ion Flow Tube-MS Analysis of Headspace Vapor from Gastric Content for the Diagnosis of Gastro-Esophageal Cancer. <i>Analytical Chemistry</i> , 2012, 84, 9550-9557.	3.2	57
71	A selected ion flow tube study of the reactions of H_3O^+ , NO^+ and O_2^+ with seven isomers of hexanol in support of SIFT-MS. <i>International Journal of Mass Spectrometry</i> , 2012, 319-320, 25-30.	0.7	24
72	A study of enzymatic activity in cell cultures via the analysis of volatile biomarkers. <i>Analyst, The</i> , 2012, 137, 4677.	1.7	5

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73	An investigation of suitable bag materials for the collection and storage of breath samples containing hydrogen cyanide. <i>Journal of Breath Research</i> , 2012, 6, 036004.	1.5	36
74	On-line, real time monitoring of exhaled trace gases by SIFT-MS in the perioperative setting: a feasibility study. <i>Analyst, The</i> , 2011, 136, 3233.	1.7	75
75	Ambient analysis of trace compounds in gaseous media by SIFT-MS. <i>Analyst, The</i> , 2011, 136, 2009.	1.7	104
76	SPME-GC-MS versus Selected Ion Flow Tube Mass Spectrometry (SIFT-MS) Analyses for the Study of Volatile Compound Generation and Oxidation Status during Dry Fermented Sausage Processing. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 1931-1938.	2.4	42
77	Volatile compounds in health and disease. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2011, 14, 455-460.	1.3	40
78	Comment on "Influences of mixed expiratory sampling parameters on exhaled volatile organic compound concentrations". <i>Journal of Breath Research</i> , 2011, 5, 048001.	1.5	3
79	Selected ion flow tube, SIFT, studies of the reactions of H ₃ O ⁺ , NO ⁺ and O ₂ ⁺ with some biologically active isobaric compounds in preparation for SIFT-MS analyses. <i>International Journal of Mass Spectrometry</i> , 2011, 303, 81-89.	0.7	20
80	Determination of the Deuterium Abundances in Water from 156 to 10,000 Åppm by SIFT-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 179-186.	1.2	7
81	Time-resolved selected ion flow tube mass spectrometric quantification of the volatile compounds generated by <i>E. coli</i> JM109 cultured in two different media. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2163-2172.	0.7	33
82	Progress in SIFT-MS: Breath analysis and other applications. <i>Mass Spectrometry Reviews</i> , 2011, 30, 236-267.	2.8	289
83	Direct, rapid quantitative analyses of BVOCs using SIFT-MS and PTR-MS obviating sample collection. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 945-959.	5.8	98
84	Can volatile compounds in exhaled breath be used to monitor control in diabetes mellitus?. <i>Journal of Breath Research</i> , 2011, 5, 022001.	1.5	91
85	Breath acetone concentration; biological variability and the influence of diet. <i>Physiological Measurement</i> , 2011, 32, N23-N31.	1.2	119
86	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.	0.7	23
87	Human Uterine Wall Tension Trajectories and the Onset of Parturition. <i>PLoS ONE</i> , 2010, 5, e11037.	1.1	28
88	Plasma Volume, Albumin, and Fluid Status in Peritoneal Dialysis Patients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2010, 5, 1463-1470.	2.2	106
89	Dispersal kinetics of deuterated water in the lungs and airways following mouth inhalation: real-time breath analysis by flowing afterglow mass spectrometry (FA-MS). <i>Journal of Breath Research</i> , 2010, 4, 017109.	1.5	7
90	Advantages of breath testing for the early diagnosis of lung cancer. <i>Expert Review of Molecular Diagnostics</i> , 2010, 10, 255-257.	1.5	21

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91	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.	1.5	90
92	Combining Near-Subject Absolute and Relative Measures of Longitudinal Hydration in Hemodialysis. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2009, 4, 1791-1798.	2.2	43
93	Ionic diffusion and mass discrimination effects in the new generation of short flow tube SIFT-MS instruments. <i>International Journal of Mass Spectrometry</i> , 2009, 281, 15-23.	0.7	61
94	Acetone, butanone, pentanone, hexanone and heptanone in the headspace of aqueous solution and urine studied by selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1097-1104.	0.7	36
95	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.	0.7	28
96	Hydrogen cyanide as a biomarker for <i>Pseudomonas aeruginosa</i> in the breath of children with cystic fibrosis. <i>Pediatric Pulmonology</i> , 2009, 44, 142-147.	1.0	135
97	Influence of weakly bound adduct ions on breath trace gas analysis by selected ion flow tube mass spectrometry (SIFT-MS). <i>International Journal of Mass Spectrometry</i> , 2009, 280, 128-135.	0.7	40
98	Analysis of the isobaric compounds propanol, acetic acid and methyl formate in humid air and breath by selected ion flow tube mass spectrometry, SIFT-MS. <i>International Journal of Mass Spectrometry</i> , 2009, 285, 42-48.	0.7	44
99	Quantification of acetaldehyde and carbon dioxide in the headspace of malignant and non-malignant lung cells in vitro by SIFT-MS. <i>Analyst</i> , The, 2009, 134, 2419.	1.7	60
100	Selected ion flow tube mass spectrometry of 3-hydroxybutyric acid, acetone and other ketones in the headspace of aqueous solution and urine. <i>International Journal of Mass Spectrometry</i> , 2008, 272, 78-85.	0.7	26
101	An exploratory comparative study of volatile compounds in exhaled breath and emitted by skin using selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 526-532.	0.7	116
102	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, 783-789.	0.7	88
103	A continuous wavelet transform algorithm for peak detection. <i>Electrophoresis</i> , 2008, 29, 4215-4225.	1.3	52
104	Ammonia release from heated "street" cannabis leaf and its potential toxic effects on cannabis users. <i>Addiction</i> , 2008, 103, 1671-1677.	1.7	39
105	Analysis of breath, exhaled via the mouth and nose, and the air in the oral cavity. <i>Journal of Breath Research</i> , 2008, 2, 037013.	1.5	133
106	Compounds enhanced in a mass spectrometric profile of smokers' exhaled breath versus non-smokers as determined in a pilot study using PTR-MS. <i>Journal of Breath Research</i> , 2008, 2, 026002.	1.5	119
107	A non-invasive, on-line deuterium dilution technique for the measurement of total body water in haemodialysis patients. <i>Nephrology Dialysis Transplantation</i> , 2008, 23, 2064-2070.	0.4	25
108	Experimental and theoretical investigation of electron attachment to SF5Cl. <i>Journal of Chemical Physics</i> , 2008, 128, 094309.	1.2	16

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109	Quantification of trace levels of the potential cancer biomarkers formaldehyde, acetaldehyde and propanol in breath by SIFT-MS. <i>Journal of Breath Research</i> , 2008, 2, 046003.	1.5	61
110	Hydrocephalus: A Realistic Porous-Media Model with Geometry Based on Neuroimaging. , 2008, , 565-569.		2
111	Using Numerical Model to Predict Hydrocephalus Based on MRI Images. , 2007, , .		0
112	Solute transport in cartilage undergoing cyclic deformation. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2007, 10, 265-278.	0.9	34
113	Breath Analysis: The Approach Towards Clinical Applications. <i>Mini-Reviews in Medicinal Chemistry</i> , 2007, 7, 115-129.	1.1	166
114	The concentration distributions of some metabolites in the exhaled breath of young adults. <i>Journal of Breath Research</i> , 2007, 1, 026001.	1.5	46
115	Acetone, ammonia and hydrogen cyanide in exhaled breath of several volunteers aged 44–83 years. <i>Journal of Breath Research</i> , 2007, 1, 011001.	1.5	83
116	The challenge of breath analysis for clinical diagnosis and therapeutic monitoring. <i>Analyst, The</i> , 2007, 132, 390-396.	1.7	125
117	Computer Visualisation of Interrelationships Between Multiple Variables Across Human Pregnancy. , 2007, , .		0
118	Volatile metabolites in the exhaled breath of healthy volunteers: their levels and distributions. <i>Journal of Breath Research</i> , 2007, 1, 014004.	1.5	110
119	Microwave plasma ion sources for selected ion flow tube mass spectrometry: Optimizing their performance and detection limits for trace gas analysis. <i>International Journal of Mass Spectrometry</i> , 2007, 267, 117-124.	0.7	20
120	Investigation of Donnan equilibrium in charged porous materials—a scale transition analysis. <i>Transport in Porous Media</i> , 2007, 69, 215-237.	1.2	14
121	A longitudinal study of ammonia, acetone and propanol in the exhaled breath of 30 subjects using selected ion flow tube mass spectrometry, SIFT-MS. <i>Physiological Measurement</i> , 2006, 27, 321-337.	1.2	323
122	Generation of volatile compounds on mouth exposure to urea and sucrose: implications for exhaled breath analysis. <i>Physiological Measurement</i> , 2006, 27, N7-N17.	1.2	42
123	A longitudinal study of methanol in the exhaled breath of 30 healthy volunteers using selected ion flow tube mass spectrometry, SIFT-MS. <i>Physiological Measurement</i> , 2006, 27, 637-648.	1.2	122
124	A longitudinal study of breath isoprene in healthy volunteers using selected ion flow tube mass spectrometry (SIFT-MS). <i>Physiological Measurement</i> , 2006, 27, 13-22.	1.2	131
125	Bronchoalveolar lavage examined by solid phase microextraction, gas chromatography—mass spectrometry and selected ion flow tube mass spectrometry. <i>Journal of Microbiological Methods</i> , 2006, 65, 76-86.	0.7	32
126	A longitudinal study of ethanol and acetaldehyde in the exhaled breath of healthy volunteers using selected-ion flow-tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 61-68.	0.7	148

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127	The analysis of 1-propanol and 2-propanol in humid air samples using selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 125-130.	0.7	23
128	Combined use of gas chromatography and selected ion flow tube mass spectrometry for absolute trace gas quantification. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 563-567.	0.7	21
129	A general method for the calculation of absolute trace gas concentrations in air and breath from selected ion flow tube mass spectrometry data. <i>International Journal of Mass Spectrometry</i> , 2006, 249-250, 230-239.	0.7	148
130	Increase of acetone emitted by urine in relation to ovulation. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2006, 85, 1008-1011.	1.3	18
131	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.	1.2	8
132	Selected ion flow tube mass spectrometry (SIFT-MS) for on-line trace gas analysis. <i>Mass Spectrometry Reviews</i> , 2005, 24, 661-700.	2.8	683
133	Detection of volatile compounds emitted by <i>Pseudomonas aeruginosa</i> using selected ion flow tube mass spectrometry. <i>Pediatric Pulmonology</i> , 2005, 39, 452-456.	1.0	130
134	Influence of Convection on the Diffusive Transport and Sieving of Water and Small Solutes across the Peritoneal Membrane. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 437-443.	3.0	19
135	Coordinated FA-MS and SIFT-MS analyses of breath following ingestion of D2O and ethanol: total body water, dispersal kinetics and ethanol metabolism. <i>Physiological Measurement</i> , 2005, 26, 447-457.	1.2	20
136	Coupled multi-ion electrodiffusion analysis for clay soils. <i>Canadian Geotechnical Journal</i> , 2004, 41, 287-298.	1.4	10
137	Theoretical Analysis of Anion Exclusion and Diffusive Transport Through Platy-Clay Soils. <i>Transport in Porous Media</i> , 2004, 57, 251-277.	1.2	44
138	Quantification of hydrogen cyanide in humid air by selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1869-1873.	0.7	56
139	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.	0.7	26
140	Selected ion flow tube, SIFT, studies of the reactions of H3O+, NO+ and O2+ with compounds released by <i>Pseudomonas</i> and related bacteria. <i>International Journal of Mass Spectrometry</i> , 2004, 233, 245-251.	0.7	35
141	A selected ion flow tube, SIFT, study of the reactions of H3O+, NO+ and O2+ ions with several N- and O-containing heterocyclic compounds in support of SIFT-MS. <i>International Journal of Mass Spectrometry</i> , 2004, 237, 167-174.	0.7	34
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