

Patrik Spanel

List of Publications by Year in descending order

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297
papers

13,919
citations

18482

62
h-index

32842

100
g-index

303
all docs

303
docs citations

303
times ranked

5871
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomization of As and Se volatile species in a dielectric barrier discharge atomizer after hydride generation: Fate of analyte studied by selected ion flow tube mass spectrometry. <i>Analytica Chimica Acta</i> , 2022, 1190, 339256.	5.4	8
2	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.	2.7	10
3	Ternary association reactions of H ₃ O ⁺ , NO ⁺ and O ₂ ⁺ with N ₂ , O 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.	1.5	3
4	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.	1.5	5
5	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, .	1.5	8
6	Parallel secondary electrospray ionisation mass spectrometry and selected ion flow tube mass spectrometry quantification of trace amounts of volatile ketones. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8981.	1.5	4
7	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.	2.5	0
8	Soft Chemical Ionization Mass Spectrometric Analyses of Hazardous Gases and Decomposition Products of Explosives in Air. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2021, , 187-201.	0.3	0
9	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.	1.5	12
10	Cross Platform Analysis of Volatile Organic Compounds Using Selected Ion Flow Tube and Proton-Transfer-Reaction Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1215-1223.	2.8	3
11	Selected ion flow tube mass spectrometry for targeted analysis of volatile organic compounds in human breath. <i>Nature Protocols</i> , 2021, 16, 3419-3438.	12.0	31
12	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.	2.8	7
13	Sensitivity of secondary electrospray ionization mass spectrometry to a range of volatile organic compounds: Ligand switching ion chemistry and the influence of Zspray [®] guiding electric fields. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9187.	1.5	13
14	OFR-7 [®] ...Breath testing for colorectal polyps and cancer- the colorectal breath analysis1 study (COBRA1). , 2021, , .		0
15	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.	2.5	3
16	Characterization of spoilage-related volatile organic compounds in packaged leaf salads. <i>Flavour and Fragrance Journal</i> , 2020, 35, 24-33.	2.6	8
17	Impact of oral cleansing strategies on exhaled volatile organic compound levels. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8706.	1.5	10
18	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.	1.5	11

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19	The development of a fully integrated 3D printed electrochemical platform and its application to investigate the chemical reaction between carbon dioxide and hydrazine. <i>Electrochimica Acta</i> , 2020, 360, 136984.	5.2	22
20	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.	1.5	10
21	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.	6.5	32
22	Ion chemistry of phthalates in selected ion flow tube mass spectrometry: isomeric effects and secondary reactions with water vapour. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 16345-16352.	2.8	3
23	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
24	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.	1.5	3
25	Chemical ionization of glyoxal and formaldehyde with H ₃ O ⁺ ions using SIFT-MS under variable system humidity. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 10170-10178.	2.8	9
26	¹⁴ N NQR Quantification of Sodium Nitrite and Urotropin Using Singular Spectrum Analysis (SSA) for Data Filtering. <i>Applied Magnetic Resonance</i> , 2020, 51, 449-460.	1.2	2
27	Selected ion flow tube mass spectrometry. , 2020, , 137-153.		1
28	Styrene radical cations for chemical ionization mass spectrometry analyses of monoterpene hydrocarbons. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 1870-1876.	1.5	4
29	Addition of fast gas chromatography to selected ion flow tube mass spectrometry for analysis of individual monoterpenes in mixtures. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 4965-4982.	3.1	10
30	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.	6.5	17
31	Time-integrated thermal desorption for quantitative SIFT-MS analyses of atmospheric monoterpenes. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2997-3007.	3.7	6
32	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.	1.5	17
33	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.	1.5	26
34	A detailed study of the ion chemistry of alkenes focusing on heptenes aimed at their SIFT-MS quantification. <i>International Journal of Mass Spectrometry</i> , 2018, 425, 16-21.	1.5	3
35	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.	2.1	9
36	Comparative SIFT-MS, GC-MS and FTIR analysis of methane fuel produced in biogas stations and in artificial photosynthesis over acidic anatase TiO ₂ and montmorillonite. <i>Journal of Molecular Spectroscopy</i> , 2018, 348, 152-160.	1.2	14

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37	What is the real utility of breath ammonia concentration measurements in medicine and physiology?. Journal of Breath Research, 2018, 12, 027102.	3.0	30
38	Pentane and other volatile organic compounds, including carboxylic acids, in the exhaled breath of patients with Crohn's disease and ulcerative colitis. Journal of Breath Research, 2018, 12, 016002.	3.0	43
39	Increase of the Charge Transfer Rate Coefficients for NO ⁺ and O ₂ ⁺ Reactions with Isoprene Molecules at Elevated Interaction Energies. Journal of Physical Chemistry A, 2018, 122, 9733-9737.	2.5	7
40	Evaluation of lipid peroxidation by the analysis of volatile aldehydes in the headspace of synthetic membranes using selected ion flow tube mass spectrometry. Rapid Communications in Mass Spectrometry, 2018, 32, 1617-1628.	1.5	11
41	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. Rapid Communications in Mass Spectrometry, 2017, 31, 437-446.	1.5	16
42	Acetic acid is elevated in the exhaled breath of cystic fibrosis patients. Journal of Cystic Fibrosis, 2017, 16, e17-e18.	0.7	10
43	Evaluation of peroxidative stress of cancer cells <i>in vitro</i> by real-time quantification of volatile aldehydes in culture headspace. Rapid Communications in Mass Spectrometry, 2017, 31, 1344-1352.	1.5	7
44	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. Physical Chemistry Chemical Physics, 2017, 19, 31714-31723.	2.8	18
45	On the importance of accurate quantification of individual volatile metabolites in exhaled breath. Journal of Breath Research, 2017, 11, 047106.	3.0	17
46	Selected Ion Flow Tube (SIFT) Applications in Mass Spectrometry. , 2017, , 56-68.		3
47	Breath concentration of acetic acid vapour is elevated in patients with cystic fibrosis. Journal of Breath Research, 2016, 10, 021002.	3.0	46
48	Do linear logistic model analyses of volatile biomarkers in exhaled breath of cystic fibrosis patients reliably indicate <i>Pseudomonas aeruginosa</i> infection?. Journal of Breath Research, 2016, 10, 036013.	3.0	22
49	Differentiation of pulmonary bacterial pathogens in cystic fibrosis by volatile metabolites emitted by their <i>in vitro</i> cultures: <i>Pseudomonas aeruginosa</i> , <i>Staphylococcus aureus</i> , <i>Stenotrophomonas maltophilia</i> and the <i>Burkholderia cepacia</i> complex. Journal of Breath Research, 2016, 10, 037102.	3.0	33
50	In-tube collision-induced dissociation for selected ion flow-drift tube mass spectrometry, SIFT-MS: a case study of NO ⁺ reactions with isomeric monoterpenes. Rapid Communications in Mass Spectrometry, 2016, 30, 2009-2016.	1.5	9
51	Spectroscopic investigations of high-energy-density plasma transformations in a simulated early reducing atmosphere containing methane, nitrogen and water. Physical Chemistry Chemical Physics, 2016, 18, 27317-27325.	2.8	11
52	Status of selected ion flow tube MS: accomplishments and challenges in breath analysis and other areas. Bioanalysis, 2016, 8, 1183-1201.	1.5	31
53	A Pilot Study of Ion - Molecule Reactions at Temperatures Relevant to the Atmosphere of Titan. Origins of Life and Evolution of Biospheres, 2016, 46, 533-538.	1.9	3
54	Selected ion flow tube mass spectrometry analyses of laser decomposition products of a range of explosives and ballistic propellants. Analytical Methods, 2016, 8, 1145-1150.	2.7	11

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55	SIFT-MS quantification of several breath biomarkers of inflammatory bowel disease, IBD: A detailed study of the ion chemistry. <i>International Journal of Mass Spectrometry</i> , 2016, 396, 35-41.	1.5	17
56	Determination of residence times of ions in a resistive glass selected ion flow-drift tube using the Hadamard transformation. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1563-1570.	1.5	10
57	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.	4.2	138
58	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
59	Exhaled breath hydrogen cyanide as a marker of early <i>Pseudomonas aeruginosa</i> infection in children with cystic fibrosis. <i>ERJ Open Research</i> , 2015, 1, 00044-2015.	2.6	40
60	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
61	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
62	Increase of methanol in exhaled breath quantified by SIFT-MS following aspartame ingestion. <i>Journal of Breath Research</i> , 2015, 9, 047104.	3.0	24
63	The in vitro identification and quantification of volatile biomarkers released by cystic fibrosis pathogens. <i>Analytical Methods</i> , 2015, 7, 818-824.	2.7	8
64	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.	1.5	3
65	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
66	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.	3.0	39
67	SIFT-MS and FA-MS methods for ambient gas phase analysis: developments and applications in the UK. <i>Analyst</i> , 2015, 140, 2573-2591.	3.5	38
68	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.	1.5	20
69	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.	1.5	65
70	Exhaled breath concentrations of acetic acid vapour in gastro-esophageal reflux disease. <i>Journal of Breath Research</i> , 2014, 8, 037109.	3.0	40
71	Product ion distributions for the reactions of NO ⁺ with some physiologically significant volatile organosulfur and organoselenium compounds obtained using a selective reagent ionization time-of-flight mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1683-1690.	1.5	13
72	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.	1.5	33

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73	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.	1.5	25
74	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
75	Counting cell number in situ by quantification of dimethyl sulphide in culture headspace. <i>Analyst</i> , The, 2014, 139, 4903-4907.	3.5	4
76	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
77	Mass spectrometry for real-time quantitative breath analysis. <i>Journal of Breath Research</i> , 2014, 8, 027101.	3.0	147
78	P224 Exhaled pentane may identify disease activity in patients with inflammatory bowel diseases. <i>Journal of Crohn's and Colitis</i> , 2014, 8, S156.	1.3	0
79	A selected ion flow tube study of the ion molecule association reactions of protonated (MH ⁺), nitrosonated (MNO ⁺) and dehydroxylated (M ⁺ OH) ⁺ carboxylic acids (M) with H ₂ O. <i>International Journal of Mass Spectrometry</i> , 2014, 368, 15-22.	1.5	15
80	Quantification of octanol-water partition coefficients of several aldehydes in a bubble column using selected ion flow tube mass spectrometry. <i>Fluid Phase Equilibria</i> , 2014, 367, 22-28.	2.5	8
81	P197 The Incidence Of New <i>Pseudomonas Aeruginosa</i> Infection In Children With Cystic Fibrosis. <i>Thorax</i> , 2014, 69, A162-A163.	5.6	0
82	Real time monitoring of population dynamics in concurrent bacterial growth using SIFT-MS quantification of volatile metabolites. <i>Analyst</i> , The, 2013, 138, 4795.	3.5	28
83	A quantitative study of the influence of inhaled compounds on their concentrations in exhaled breath. <i>Journal of Breath Research</i> , 2013, 7, 017106.	3.0	68
84	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.	6.5	72
85	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.	6.5	135
86	Quantification by SIFT-MS of acetaldehyde released by lung cells in a 3D model. <i>Analyst</i> , The, 2013, 138, 91-95.	3.5	37
87	Effects of dietary nutrients on volatile breath metabolites. <i>Journal of Nutritional Science</i> , 2013, 2, e34.	1.9	45
88	Recent SIFT-MS Studies of Volatile Compounds in Physiology, Medicine and Cell Biology. , 2013, , 48-76.		7
89	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.	1.5	62
90	Hydrogen cyanide, a volatile biomarker of <i>Pseudomonas aeruginosa</i> infection. <i>Journal of Breath Research</i> , 2013, 7, 044001.	3.0	76

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91	Is Hydrogen Cyanide a Marker of Burkholderia cepacia Complex?. Journal of Clinical Microbiology, 2013, 51, 3849-3851.	3.9	17
92	Account: On the Features, Successes and Challenges of Selected Ion Flow Tube Mass Spectrometry. European Journal of Mass Spectrometry, 2013, 19, 225-246.	1.0	23
93	Hydrogen cyanide concentrations in the breath of adult cystic fibrosis patients with and without <i>Pseudomonas aeruginosa</i> infection. Journal of Breath Research, 2013, 7, 026010.	3.0	63
94	Advances in On-line Absolute Trace Gas Analysis by SIFT-MS. Current Analytical Chemistry, 2013, 9, 525-539.	1.2	59
95	Real Time Detection of Aroma Compounds in Meat and Meat Products by SIFT-MS and Comparison to Conventional Techniques (SPME-GC-MS). Current Analytical Chemistry, 2013, 9, 622-630.	1.2	21
96	Editorial (Hot-Topic: Selected Ion Flow Tube Mass Spectrometry, SIFT-MS). Current Analytical Chemistry, 2013, 9, 523-524.	1.2	3
97	Minimising the Effects of Isobaric Product Ions in SIFT-MS Quantification of Acetaldehyde, Dimethyl Sulphide and Carbon Dioxide. Current Analytical Chemistry, 2013, 9, 550-557.	1.2	13
98	SIFT-MS Analysis of Nose-Exhaled Breath; Mouth Contamination and the Influence of Exercise. Current Analytical Chemistry, 2013, 9, 565-575.	1.2	21
99	Breath Analysis and the Measurement of Total Body Water Using Isotope Dilution $\delta^{18}O$ Applications in the Dialysis Clinic. Current Analytical Chemistry, 2013, 9, 593-599.	1.2	10
100	Injection of deuterated water into the pulmonary/alveolar circulation; measurement of HDO in exhaled breath and implications to breath analysis. Journal of Breath Research, 2012, 6, 036005.	3.0	4
101	P88...Is Hydrogen Cyanide a Marker of Burkholderia Cepacia Complex Infection?. Thorax, 2012, 67, A102.1-A102.	5.6	3
102	Tu1248 Noninvasive Quantification of Volatile Metabolites in Breath: A Potential Indicator of Inflammatory Bowel Diseases Activity. Gastroenterology, 2012, 142, S-784.	1.3	3
103	Quantification of hydrogen cyanide and 2-aminoacetophenone in the headspace of Pseudomonas aeruginosa cultured under biofilm and planktonic conditions. Analytical Methods, 2012, 4, 3661.	2.7	27
104	Selected Ion Flow Tube-MS Analysis of Headspace Vapor from Gastric Content for the Diagnosis of Gastro-Esophageal Cancer. Analytical Chemistry, 2012, 84, 9550-9557.	6.5	57
105	A selected ion flow tube study of the reactions of H ₃ O ⁺ , NO ⁺ and O ₂ ⁺ with seven isomers of hexanol in support of SIFT-MS. International Journal of Mass Spectrometry, 2012, 319-320, 25-30.	1.5	24
106	Rapid detection of lipid oxidation in beef muscle packed under modified atmosphere by measuring volatile organic compounds using SIFT-MS. Food Chemistry, 2012, 135, 1801-1808.	8.2	38
107	Combining Fourier transform nuclear quadrupole resonance (FT-NQR) spectroscopy and mass spectrometry (MS) to study the electronic structure of titanocene dichlorides. Analyst, The, 2012, 137, 1338.	3.5	2
108	An investigation of suitable bag materials for the collection and storage of breath samples containing hydrogen cyanide. Journal of Breath Research, 2012, 6, 036004.	3.0	36

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109	Real-Time Quantification of Traces of Biogenic Volatile Selenium Compounds in Humid Air by Selected Ion Flow Tube Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 4979-4983.	6.5	7
110	Variability in the concentrations of volatile metabolites emitted by genotypically different strains of <i>Pseudomonas aeruginosa</i> . <i>Journal of Applied Microbiology</i> , 2012, 113, 701-713.	3.1	81
111	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.	3.5	75
112	Laser Ablation of FOX-7: Proposed Mechanism of Decomposition. <i>Analytical Chemistry</i> , 2011, 83, 1069-1077.	6.5	50
113	Ambient analysis of trace compounds in gaseous media by SIFT-MS. <i>Analyst, The</i> , 2011, 136, 2009.	3.5	104
114	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.	5.2	42
115	HNC/HCN Ratio in Acetonitrile, Formamide, and BrCN Discharge. <i>Journal of Physical Chemistry A</i> , 2011, 115, 1885-1899.	2.5	35
116	Selected Ion Flow Tube Study of Ion-Molecule Reactions of $N^+ + C_3P$ and $Kr^+ + C_3$ with C_3 Hydrocarbons Propane, Propene, and Propyne. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7310-7315.	2.5	10
117	Variation in hydrogen cyanide production between different strains of <i>Pseudomonas aeruginosa</i> . <i>European Respiratory Journal</i> , 2011, 38, 409-414.	6.7	51
118	Volatile compounds in health and disease. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2011, 14, 455-460.	2.5	40
119	Comment on "Influences of mixed expiratory sampling parameters on exhaled volatile organic compound concentrations". <i>Journal of Breath Research</i> , 2011, 5, 048001.	3.0	3
120	Selected ion flow tube (SIFT) studies of the reactions of H_3O^+ , NO^+ and O_2^+ with six volatile phytogetic esters. <i>International Journal of Mass Spectrometry</i> , 2011, 300, 31-38.	1.5	34
121	Selected ion flow tube, SIFT, studies of the reactions of H_3O^+ , 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.	1.5	20
122	Determination of the Deuterium Abundances in Water from 156 to 10,000 μ ppm by SIFT-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 179-186.	2.8	7
123	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.	1.5	33
124	Quantification of methyl thiocyanate in the headspace of <i>Pseudomonas aeruginosa</i> cultures and in the breath of cystic fibrosis patients by selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2459-2467.	1.5	80
125	Progress in SIFT-MS: Breath analysis and other applications. <i>Mass Spectrometry Reviews</i> , 2011, 30, 236-267.	5.4	289
126	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.	11.4	98

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127	Can volatile compounds in exhaled breath be used to monitor control in diabetes mellitus?. Journal of Breath Research, 2011, 5, 022001.	3.0	91
128	Breath acetone concentration; biological variability and the influence of diet. Physiological Measurement, 2011, 32, N23-N31.	2.1	119
129	Kinetics of ethanol decay in mouth and nose exhaled breath measured online by selected ion flow tube mass spectrometry following varying doses of alcohol. Rapid Communications in Mass Spectrometry, 2010, 24, 1066-1074.	1.5	23
130	Quantification of methane in humid air and exhaled breath using selected ion flow tube mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 1296-1304.	1.5	49
131	Plasma Volume, Albumin, and Fluid Status in Peritoneal Dialysis Patients. Clinical Journal of the American Society of Nephrology: CJASN, 2010, 5, 1463-1470.	4.5	106
132	Dispersal kinetics of deuterated water in the lungs and airways following mouth inhalation: real-time breath analysis by flowing afterglow mass spectrometry (FA-MS). Journal of Breath Research, 2010, 4, 017109.	3.0	7
133	Advantages of breath testing for the early diagnosis of lung cancer. Expert Review of Molecular Diagnostics, 2010, 10, 255-257.	3.1	21
134	Selected Ion Flow Tube-Mass Spectrometry for Absolute Quantification of Aroma Compounds in the Headspace of Dry Fermented Sausages. Analytical Chemistry, 2010, 82, 5819-5829.	6.5	40
135	Isoprene levels in the exhaled breath of 200 healthy pupils within the age range 7-18 years studied using SIFT-MS. Journal of Breath Research, 2010, 4, 017101.	3.0	90
136	Dynamics of Formation of Products D_2CN^+ , DCN^+ , and CD_3^+ in the Reaction of N_3^+ with CD_4 : A Crossed-Beam and Theoretical Study. Journal of Physical Chemistry A, 2010, 114, 1384-1391.	2.5	6
137	A study of the composition of the products of laser-induced breakdown of hexogen, octogen, pentrite and trinitrotoluene using selected ion flow tube mass spectrometry and UV-Vis spectrometry. Analyst, The, 2010, 135, 1106.	3.5	41
138	Combining Near-Subject Absolute and Relative Measures of Longitudinal Hydration in Hemodialysis. Clinical Journal of the American Society of Nephrology: CJASN, 2009, 4, 1791-1798.	4.5	43
139	Concentrations of some metabolites in the breath of healthy children aged 7-18 years measured using selected ion flow tube mass spectrometry (SIFT-MS). Journal of Breath Research, 2009, 3, 036001.	3.0	64
140	Ionic diffusion and mass discrimination effects in the new generation of short flow tube SIFT-MS instruments. International Journal of Mass Spectrometry, 2009, 281, 15-23.	1.5	61
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