

Patrik Spanel

List of Publications by Year in Descending Order

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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.

289
papers

11,837
citations

59
h-index

93
g-index

301
ext. papers

12,810
ext. citations

3.4
avg, IF

6.58
L-index

#	Paper	IF	Citations
289	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	6.6	1
288	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	1.9	0
287	Ternary association reactions of H O , NO and O with N , O , CO and H O; implications for SIFT-MS analyses of air and breath.. <i>Rapid Communications in Mass Spectrometry</i> , 2021 , e9241	2.2	1
286	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	3.5	2
285	Selected ion flow tube mass spectrometry for targeted analysis of volatile organic compounds in human breath. <i>Nature Protocols</i> , 2021 , 16, 3419-3438	18.8	7
284	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	2.2	2
283	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	3.8	
282	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	0.2	
281	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	2.2	5
280	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	3.5	3
279	Sensitivity of secondary electrospray ionization mass spectrometry to a range of volatile organic compounds: Ligand switching ion chemistry and the influence of Z-spray guiding electric fields. <i>Rapid Communications in Mass Spectrometry</i> , 2021 , 35, e9187	2.2	2
278	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	19
277	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	2.2	2
276	Chemical ionization of glyoxal and formaldehyde with HO ions using SIFT-MS under variable system humidity. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 10170-10178	3.6	6
275	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	0.8	1
274	Selected ion flow tube mass spectrometry 2020 , 137-153		1
273	Characterization of spoilage-related volatile organic compounds in packaged leaf salads. <i>Flavour and Fragrance Journal</i> , 2020 , 35, 24-33	2.5	3

272	Impact of oral cleansing strategies on exhaled volatile organic compound levels. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34, e8706	2.2	8
271	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	2.2	5
270	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	6.7	14
269	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	1.9	3
268	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	7.8	18
267	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	3.6	2
266	Experimental study of the reaction of NO ₂ ⁺ ions with CO ₂ molecules at temperatures and energies relevant to the Martian atmosphere. <i>Icarus</i> , 2020 , 335, 113416	3.8	1
265	Electrostatic Switching and Selection of HO, NO, and O Reagent Ions for Selected Ion Flow-Drift Tube Mass Spectrometric Analyses of Air and Breath. <i>Analytical Chemistry</i> , 2019 , 91, 5380-5388	7.8	12
264	Time-integrated thermal desorption for quantitative SIFT-MS analyses of atmospheric monoterpenes. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 2997-3007	4.4	3
263	Styrene radical cations for chemical ionization mass spectrometry analyses of monoterpene hydrocarbons. <i>Rapid Communications in Mass Spectrometry</i> , 2019 , 33, 1870-1876	2.2	2
262	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	4	5
261	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	1.9	9
260	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	2.2	22
259	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	1.9	2
258	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	3.7	5
257	Comparative SIFT-MS, GCMS 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	1.3	11
256	What is the real utility of breath ammonia concentration measurements in medicine and physiology?. <i>Journal of Breath Research</i> , 2018 , 12, 027102	3.1	19
255	Increase of the Charge Transfer Rate Coefficients for NO and O Reactions with Isoprene Molecules at Elevated Interaction Energies. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 9733-9737	2.8	3

254	Evaluation of lipid peroxidation by the analysis of volatile aldehydes in the headspace of synthetic membranes using Selected Ion Flow Tube Mass Spectrometry, SIFT-MS. <i>Rapid Communications in Mass Spectrometry</i> , 2018 , 32, 1617	2.2	8
253	Selected ion flow tube study of the reactions of H ₂ 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
252	Acetic acid is elevated in the exhaled breath of cystic fibrosis patients. <i>Journal of Cystic Fibrosis</i> , 2017 , 16, e17-e18	4.1	8
251	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
250	Ion chemistry at elevated ion-molecule interaction energies in a selected ion flow-drift tube: reactions of HO, NO and O with saturated aliphatic ketones. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 31714-31723	3.6	10
249	On the importance of accurate quantification of individual volatile metabolites in exhaled breath. <i>Journal of Breath Research</i> , 2017 , 11, 047106	3.1	13
248	Selected Ion Flow Tube (SIFT) Applications in Mass Spectrometry ? 2017 , 56-68		0
247	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> , 2017 , 12, 016002	3.1	27
246	In-tube collision-induced dissociation for selected ion flow-drift tube mass spectrometry, SIFDT-MS: a case study of NO(+) reactions with isomeric monoterpenes. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 2009-16	2.2	7
245	Spectroscopic investigations of high-energy-density plasma transformations in a simulated early reducing atmosphere containing methane, nitrogen and water. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 27317-27325	3.6	10
244	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
243	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
242	Selected ion flow tube mass spectrometry analyses of laser decomposition products of a range of explosives and ballistic propellants. <i>Analytical Methods</i> , 2016 , 8, 1145-1150	3.2	8
241	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	1.9	14
240	Breath concentration of acetic acid vapour is elevated in patients with cystic fibrosis. <i>Journal of Breath Research</i> , 2016 , 10, 021002	3.1	35
239	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	3.1	17
238	Differentiation of pulmonary bacterial pathogens in cystic fibrosis by volatile metabolites emitted by their in vitro cultures: <i>Pseudomonas aeruginosa</i> , <i>Staphylococcus aureus</i> , <i>Stenotrophomonas maltophilia</i> and the <i>Burkholderia cepacia</i> complex. <i>Journal of Breath Research</i> , 2016 , 10, 037102	3.1	22
237	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	1.9	2

236	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
235	Quantitative analysis of volatile metabolites released in vitro 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	3.1	32
234	SIFT-MS and FA-MS methods for ambient gas phase analysis: developments and applications in the UK. <i>Analyst, The</i> , 2015 , 140, 2573-91	5	32
233	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	1.9	18
232	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	2.2	10
231	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, 981-90	7.8	96
230	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
229	Exhaled breath hydrogen cyanide as a marker of early infection in children with cystic fibrosis. <i>ERJ Open Research</i> , 2015 , 1,	3.5	29
228	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
227	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
226	Increase of methanol in exhaled breath quantified by SIFT-MS following aspartame ingestion. <i>Journal of Breath Research</i> , 2015 , 9, 047104	3.1	20
225	The in vitro identification and quantification of volatile biomarkers released by cystic fibrosis pathogens. <i>Analytical Methods</i> , 2015 , 7, 818-824	3.2	6
224	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
223	Counting cell number in situ by quantification of dimethyl sulphide in culture headspace. <i>Analyst, The</i> , 2014 , 139, 4903-7	5	4
222	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
221	Mass spectrometry for real-time quantitative breath analysis. <i>Journal of Breath Research</i> , 2014 , 8, 027103	3.1	123
220	A selected ion flow tube study of the ion molecule association reactions of protonated (MH ⁺), nitrosonated (MNO ⁺) and dehydroxidated (MDH ⁺) carboxylic acids (M) with H ₂ O. <i>International Journal of Mass Spectrometry</i> , 2014 , 368, 15-22	1.9	10
219	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	6

218	P197 The Incidence Of New Pseudomonas Aeruginosa Infection In Children With Cystic Fibrosis. <i>Thorax</i> , 2014 , 69, A162-A163	7.3	
217	Breath analysis of ammonia, volatile organic compounds and deuterated water vapor in chronic kidney disease and during dialysis. <i>Bioanalysis</i> , 2014 , 6, 843-57	2.1	50
216	Exhaled breath concentrations of acetic acid vapour in gastro-esophageal reflux disease. <i>Journal of Breath Research</i> , 2014 , 8, 037109	3.1	27
215	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, 1683-90	2.2	9
214	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
213	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	1.9	20
212	Real time monitoring of population dynamics in concurrent bacterial growth using SIFT-MS quantification of volatile metabolites. <i>Analyst, The</i> , 2013 , 138, 4795-801	5	23
211	A quantitative study of the influence of inhaled compounds on their concentrations in exhaled breath. <i>Journal of Breath Research</i> , 2013 , 7, 017106	3.1	58
210	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, 3409-16	7.8	56
209	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, 6121-8	7.8	103
208	Quantification by SIFT-MS of acetaldehyde released by lung cells in a 3D model. <i>Analyst, The</i> , 2013 , 138, 91-5	5	33
207	Effects of dietary nutrients on volatile breath metabolites. <i>Journal of Nutritional Science</i> , 2013 , 2, e34	2.7	33
206	Recent SIFT-MS Studies of Volatile Compounds in Physiology, Medicine and Cell Biology 2013 , 48-76		6
205	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, 1983-92 ²		54
204	Hydrogen cyanide, a volatile biomarker of Pseudomonas aeruginosa infection. <i>Journal of Breath Research</i> , 2013 , 7, 044001	3.1	64
203	Is hydrogen cyanide a marker of Burkholderia cepacia complex?. <i>Journal of Clinical Microbiology</i> , 2013 , 51, 3849-51	9.7	16
202	On the features, successes and challenges of selected ion flow tube mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2013 , 19, 225-46	1.1	20
201	Hydrogen cyanide concentrations in the breath of adult cystic fibrosis patients with and without Pseudomonas aeruginosa infection. <i>Journal of Breath Research</i> , 2013 , 7, 026010	3.1	51

200	Advances in On-line Absolute Trace Gas Analysis by SIFT-MS. <i>Current Analytical Chemistry</i> , 2013 , 9, 525-539	50
199	Real Time Detection of Aroma Compounds in Meat and Meat Products by SIFT-MS and Comparison to Conventional Techniques (SPME-GC-MS). <i>Current Analytical Chemistry</i> , 2013 , 9, 622-630	1.7 20
198	Editorial (Hot-Topic: Selected Ion Flow Tube Mass Spectrometry, SIFT-MS). <i>Current Analytical Chemistry</i> , 2013 , 9, 523-524	1.7 3
197	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	1.7 12
196	SIFT-MS Analysis of Nose-Exhaled Breath; Mouth Contamination and the Influence of Exercise. <i>Current Analytical Chemistry</i> , 2013 , 9, 565-575	1.7 19
195	Breath Analysis and the Measurement of Total Body Water Using Isotope Dilution [Applications in the Dialysis Clinic. <i>Current Analytical Chemistry</i> , 2013 , 9, 593-599	1.7 10
194	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, 701-13	4.7 66
193	Tu1248 Noninvasive Quantification of Volatile Metabolites in Breath: A Potential Indicator of Inflammatory Bowel Diseases Activity. <i>Gastroenterology</i> , 2012 , 142, S-784	13.3 2
192	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	3.2 24
191	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, 9550-7	7.8 48
190	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. <i>International Journal of Mass Spectrometry</i> , 2012 , 319-320, 25-30	1.9 21
189	Rapid detection of lipid oxidation in beef muscle packed under modified atmosphere by measuring volatile organic compounds using SIFT-MS. <i>Food Chemistry</i> , 2012 , 135, 1801-8	8.5 29
188	Combining Fourier transform nuclear quadrupole resonance (FT-NQR) spectroscopy and mass spectrometry (MS) to study the electronic structure of titanocene dichlorides. <i>Analyst, The</i> , 2012 , 137, 1338-42	5 2
187	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	3.1 31
186	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, 4979-83	7.8 6
185	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	3.1 3
184	P88 Is Hydrogen Cyanide a Marker of Burkholderia Cepacia Complex Infection?. <i>Thorax</i> , 2012 , 67, A102.1-A102 1	17.5 102 1
183	Ambient analysis of trace compounds in gaseous media by SIFT-MS. <i>Analyst, The</i> , 2011 , 136, 2009-32	5 90

182	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, 1931-8	5.7	35
181	HNC/HCN ratio in acetonitrile, formamide, and BrCN discharge. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 1885-99	2.8	30
180	Selected ion flow tube study of ion-molecule reactions of N(+)(3P) and Kr+ with C3 hydrocarbons propane, propene, and propyne. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 7310-5	2.8	10
179	Variation in hydrogen cyanide production between different strains of <i>Pseudomonas aeruginosa</i> . <i>European Respiratory Journal</i> , 2011 , 38, 409-14	13.6	46
178	Volatile compounds in health and disease. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2011 , 14, 455-60	3.8	33
177	Comment on Influences of mixed expiratory sampling parameters on exhaled volatile organic compound concentrations <i>Journal of Breath Research</i> , 2011 , 5, 048001	3.1	3
176	Selected ion flow tube (SIFT) studies of the reactions of H3O+, NO+ and O2+ with six volatile phytogetic esters. <i>International Journal of Mass Spectrometry</i> , 2011 , 300, 31-38	1.9	28
175	Selected ion flow tube, SIFT, studies of the reactions of H3O+, NO+ and O2+ with some biologically active isobaric compounds in preparation for SIFT-MS analyses. <i>International Journal of Mass Spectrometry</i> , 2011 , 303, 81-89	1.9	17
174	Determination of the deuterium abundances in water from 156 to 10,000 ppm by SIFT-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 179-86	3.5	7
173	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, 2163-72	2.2	30
172	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, 2459-67	2.2	67
171	Progress in SIFT-MS: breath analysis and other applications. <i>Mass Spectrometry Reviews</i> , 2011 , 30, 236-67	11	250
170	On-line, real time monitoring of exhaled trace gases by SIFT-MS in the perioperative setting: a feasibility study. <i>Analyst</i> , 2011 , 136, 3233-7	5	65
169	Laser ablation of FOX-7: proposed mechanism of decomposition. <i>Analytical Chemistry</i> , 2011 , 83, 1069-77	7.8	42
168	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	14.6	82
167	Can volatile compounds in exhaled breath be used to monitor control in diabetes mellitus?. <i>Journal of Breath Research</i> , 2011 , 5, 022001	3.1	75
166	Breath acetone concentration; biological variability and the influence of diet. <i>Physiological Measurement</i> , 2011 , 32, N23-31	2.9	103
165	Plasma volume, albumin, and fluid status in peritoneal dialysis patients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2010 , 5, 1463-70	6.9	90

164	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	3.1	4
163	Selected ion flow tube-mass spectrometry for absolute quantification of aroma compounds in the headspace of dry fermented sausages. <i>Analytical Chemistry</i> , 2010 , 82, 5819-29	7.8	37
162	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
161	Dynamics of formation of products D ₂ CN ⁺ , DCN ⁺ , and CD ₃ ⁺ in the reaction of N ⁺ with CD ₄ : a crossed-beam and theoretical study. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 1384-91	2.8	6
160	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. <i>Analyst, The</i> , 2010 , 135, 1106-14	5	37
159	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
158	Quantification of methane in humid air and exhaled breath using selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 1296-304	2.2	40
157	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, 1791-8	6.9	35
156	Concentrations of some metabolites in the breath of healthy children aged 7-18 years measured using selected ion flow tube mass spectrometry (SIFT-MS). <i>Journal of Breath Research</i> , 2009 , 3, 036001	3.1	55
155	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	1.9	56
154	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, 1097-104	2.2	34
153	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
152	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	1.9	38
151	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	1.9	39
150	Quantification of methylamine in the headspace of ethanol of agricultural origin by selected ion flow tube mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2009 , 286, 1-6	1.9	15
149	Quantification of acetaldehyde and carbon dioxide in the headspace of malignant and non-malignant lung cells in vitro by SIFT-MS. <i>Analyst, The</i> , 2009 , 134, 2419-25	5	55
148	Ammonia release from heated street cannabis leaf and its potential toxic effects on cannabis users. <i>Addiction</i> , 2008 , 103, 1671-7	4.6	31
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