

David Smith

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6157293/publications.pdf>

Version: 2024-02-01

255
papers

14,100
citations

16451

64
h-index

30087

103
g-index

257
all docs

257
docs citations

257
times ranked

5897
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. ACS Food Science & Technology, 2022, 2, 400-414.	2.7	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. Rapid Communications in Mass Spectrometry, 2022, 36, e9241.	1.5	3
3	Relative influence of helium and nitrogen carrier gases on analyte ion branching ratios in SIFT-MS. International Journal of Mass Spectrometry, 2022, 476, 116835.	1.5	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. Rapid Communications in Mass Spectrometry, 2022, 36, .	1.5	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. Icarus, 2021, 354, 114057.	2.5	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. Rapid Communications in Mass Spectrometry, 2021, 35, e9047.	1.5	12
7	Ligand Switching Ion Chemistry: An SIFDT Case Study of the Primary and Secondary Reactions of Protonated Acetic Acid Hydrates with Acetone. Journal of the American Society for Mass Spectrometry, 2021, 32, 2251-2260.	2.8	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. Rapid Communications in Mass Spectrometry, 2021, 35, e9187.	1.5	13
9	Experimental study of the reaction of NO ⁺ ions with CO ₂ molecules at temperatures and energies relevant to the Martian atmosphere. Icarus, 2020, 335, 113416.	2.5	3
10	Characterization of spoilage-related volatile organic compounds in packaged leaf salads. Flavour and Fragrance Journal, 2020, 35, 24-33.	2.6	8
11	Volatile compounds released by Nalophan; implications for selected ion flow tube mass spectrometry and other chemical ionisation mass spectrometry analytical methods. Rapid Communications in Mass Spectrometry, 2020, 34, e8602.	1.5	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. International Journal of Mass Spectrometry, 2020, 458, 116438.	1.5	10
13	Understanding Gas Phase Ion Chemistry Is the Key to Reliable Selected Ion Flow Tube-Mass Spectrometry Analyses. Analytical Chemistry, 2020, 92, 12750-12762.	6.5	32
14	Quantification of volatile metabolites in exhaled breath by selected ion flow tube mass spectrometry, SIFT-MS. Clinical Mass Spectrometry, 2020, 16, 18-24.	1.9	46
15	Selected ion flow tube mass spectrometry analyses of isobaric compounds methanol and hydrazine in humid air. Rapid Communications in Mass Spectrometry, 2020, 34, e8744.	1.5	3
16	Selected ion flow tube mass spectrometry. , 2020, , 137-153.		1
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. Analytical Chemistry, 2019, 91, 5380-5388.	6.5	17
18	H ₃ O ⁺ , NO ⁺ and O ₂ ⁺ reactions with saturated and unsaturated monoketones and diones; focus on hydration of product ions. International Journal of Mass Spectrometry, 2019, 435, 173-180.	1.5	17

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	What is the real utility of breath ammonia concentration measurements in medicine and physiology?. <i>Journal of Breath Research</i> , 2018, 12, 027102.	3.0	30
22	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.	3.0	43
23	Increase of the Charge Transfer Rate Coefficients for NO ⁺ and O ₂ ⁺ Reactions with Isoprene Molecules at Elevated Interaction Energies. <i>Journal of Physical Chemistry A</i> , 2018, 122, 9733-9737.	2.5	7
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.	2.5	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.	1.5	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.	1.5	16
27	Acetic acid is elevated in the exhaled breath of cystic fibrosis patients. <i>Journal of Cystic Fibrosis</i> , 2017, 16, e17-e18.	0.7	10
28	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
29	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.	2.8	18
30	On the importance of accurate quantification of individual volatile metabolites in exhaled breath. <i>Journal of Breath Research</i> , 2017, 11, 047106.	3.0	17
31	Breath concentration of acetic acid vapour is elevated in patients with cystic fibrosis. <i>Journal of Breath Research</i> , 2016, 10, 021002.	3.0	46
32	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.	3.0	22
33	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
34	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
35	From molecules in space to molecules in breath. <i>Paediatric Respiratory Reviews</i> , 2016, 17, 50-52.	1.8	1
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	SIFT-MS and FA-MS methods for ambient gas phase analysis: developments and applications in the UK. <i>Analyst</i> , The, 2015, 140, 2573-2591.	3.5	38
46	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
47	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
48	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
49	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
50	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
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	Counting cell number in situ by quantification of dimethyl sulphide in culture headspace. <i>Analyst</i> , The, 2014, 139, 4903-4907.	3.5	4
53	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.	2.7	28
54	Mass spectrometry for real-time quantitative breath analysis. <i>Journal of Breath Research</i> , 2014, 8, 027101.	3.0	147

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	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
58	Quantification by SIFT-MS of acetaldehyde released by lung cells in a 3D model. <i>Analyst</i> , 2013, 138, 91-95.	3.5	37
59	Effects of dietary nutrients on volatile breath metabolites. <i>Journal of Nutritional Science</i> , 2013, 2, e34.	1.9	45
60	Recent SIFT-MS Studies of Volatile Compounds in Physiology, Medicine and Cell Biology. , 2013, , 48-76.		7
61	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
62	Hydrogen cyanide, a volatile biomarker of <i>Pseudomonas aeruginosa</i> infection. <i>Journal of Breath Research</i> , 2013, 7, 044001.	3.0	76
63	Is Hydrogen Cyanide a Marker of <i>Burkholderia cepacia</i> Complex?. <i>Journal of Clinical Microbiology</i> , 2013, 51, 3849-3851.	3.9	17
64	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.	1.0	23
65	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.	3.0	63
66	Advances in On-line Absolute Trace Gas Analysis by SIFT-MS. <i>Current Analytical Chemistry</i> , 2013, 9, 525-539.	1.2	59
67	Editorial (Hot-Topic: Selected Ion Flow Tube Mass Spectrometry, SIFT-MS). <i>Current Analytical Chemistry</i> , 2013, 9, 523-524.	1.2	3
68	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.	1.2	13
69	SIFT-MS Analysis of Nose-Exhaled Breath; Mouth Contamination and the Influence of Exercise. <i>Current Analytical Chemistry</i> , 2013, 9, 565-575.	1.2	21
70	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.	1.2	10
71	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.	3.0	4
72	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.	2.7	27

#	ARTICLE	IF	CITATIONS
73	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.	6.5	57
74	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.	1.5	24
75	A study of enzymatic activity in cell cultures via the analysis of volatile biomarkers. <i>Analyst, The</i> , 2012, 137, 4677.	3.5	5
76	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.	3.0	36
77	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
78	Ambient analysis of trace compounds in gaseous media by SIFT-MS. <i>Analyst, The</i> , 2011, 136, 2009.	3.5	104
79	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
80	Volatile compounds in health and disease. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2011, 14, 455-460.	2.5	40
81	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
82	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.	1.5	20
83	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, 179-186.	2.8	7
84	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
85	Progress in SIFT-MS: Breath analysis and other applications. <i>Mass Spectrometry Reviews</i> , 2011, 30, 236-267.	5.4	289
86	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
87	Can volatile compounds in exhaled breath be used to monitor control in diabetes mellitus?. <i>Journal of Breath Research</i> , 2011, 5, 022001.	3.0	91
88	Breath acetone concentration; biological variability and the influence of diet. <i>Physiological Measurement</i> , 2011, 32, N23-N31.	2.1	119
89	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
90	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.	4.5	106

#	ARTICLE	IF	CITATIONS
91	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.	3.0	7
92	Advantages of breath testing for the early diagnosis of lung cancer. <i>Expert Review of Molecular Diagnostics</i> , 2010, 10, 255-257.	3.1	21
93	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, 5819-5829.	6.5	40
94	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.	3.0	90
95	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.	4.5	43
96	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.	1.5	61
97	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.	1.5	36
98	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
99	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.	2.0	135
100	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.	1.5	40
101	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.	1.5	44
102	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.	3.5	60
103	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.	1.5	26
104	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.	1.5	116
105	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.	1.5	88
106	Ammonia release from heated "street" cannabis leaf and its potential toxic effects on cannabis users. <i>Addiction</i> , 2008, 103, 1671-1677.	3.3	39
107	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.	3.0	133
108	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.	3.0	119

#	ARTICLE	IF	CITATIONS
109	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.	0.7	25
110	Experimental and theoretical investigation of electron attachment to SF5Cl. <i>Journal of Chemical Physics</i> , 2008, 128, 094309.	3.0	16
111	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.	3.0	61
112	Breath Analysis: The Approach Towards Clinical Applications. <i>Mini-Reviews in Medicinal Chemistry</i> , 2007, 7, 115-129.	2.4	166
113	The concentration distributions of some metabolites in the exhaled breath of young adults. <i>Journal of Breath Research</i> , 2007, 1, 026001.	3.0	46
114	Acetone, ammonia and hydrogen cyanide in exhaled breath of several volunteers aged 4â€“83 years. <i>Journal of Breath Research</i> , 2007, 1, 011001.	3.0	83
115	The challenge of breath analysis for clinical diagnosis and therapeutic monitoring. <i>Analyst</i> , The, 2007, 132, 390-396.	3.5	125
116	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
117	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.	1.5	20
118	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.	2.1	323
119	Generation of volatile compounds on mouth exposure to urea and sucrose: implications for exhaled breath analysis. <i>Physiological Measurement</i> , 2006, 27, N7-N17.	2.1	42
120	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.	2.1	122
121	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.	2.1	131
122	Bronchoalveolar lavage examined by solid phase microextraction, gas chromatographyâ€“mass spectrometry and selected ion flow tube mass spectrometry. <i>Journal of Microbiological Methods</i> , 2006, 65, 76-86.	1.6	32
123	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.	1.5	148
124	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.	1.5	23
125	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.	1.5	21
126	Quantification of breath carbon disulphide and acetone following a single dose of disulfiram (Antabuse) using selected ion flow tube mass spectrometry (SIFT-MS). <i>Addiction Biology</i> , 2006, 11, 163-169.	2.6	23

#	ARTICLE	IF	CITATIONS
127	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.	1.5	148
128	Increase of acetone emitted by urine in relation to ovulation. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2006, 85, 1008-1011.	2.8	18
129	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
130	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
131	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.	2.0	130
132	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.	6.1	19
133	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.	2.1	20
134	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.	1.5	56
135	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
136	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.	1.5	35
137	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.	1.5	34
138	A selected ion flow tube study of the reactions of H3O+, NO+ and O2+ with some phenols, phenyl alcohols and cyclic carbonyl compounds in support of SIFT-MS and PTR-MS. <i>International Journal of Mass Spectrometry</i> , 2004, 239, 139-146.	1.5	42
139	Selected Ion Flow Tube Mass Spectrometry (SIFT-MS) and Flowing Afterglow Mass Spectrometry (FA-MS) for the Determination of the Deuterium Abundance in Water Vapour. , 2004, , 88-102.		5
140	Longitudinal measurements of total body water and body composition in healthy volunteers by online breath deuterium measurement and other near-subject methods. <i>International Journal of Body Composition Research</i> , 2004, 2, 99-106.	0.5	5
141	Time variation of ammonia, acetone, isoprene and ethanol in breath: a quantitative SIFT-MS study over 30 days. <i>Physiological Measurement</i> , 2003, 24, 107-119.	2.1	210
142	Quantification of acetonitrile in exhaled breath and urinary headspace using selected ion flow tube mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2003, 228, 655-665.	1.5	96
143	Selected ion flow tube, SIFT, studies of the reactions of H3O+, NO+ and O2+ with eleven C10H16 monoterpenes. <i>International Journal of Mass Spectrometry</i> , 2003, 228, 117-126.	1.5	78
144	A SIFT study of the reactions of H2ONO+ ions with several types of organic molecules. <i>International Journal of Mass Spectrometry</i> , 2003, 230, 1-9.	1.5	29

#	ARTICLE	IF	CITATIONS
145	Measuring transport of water across the peritoneal membrane. <i>Kidney International</i> , 2003, 64, 1911-1915.	5.2	16
146	Analysis of ketones by selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2655-2660.	1.5	61
147	Quantification of acetaldehyde released by lung cancer cells in vitro using selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 845-850.	1.5	137
148	Increase of acetone and ammonia in urine headspace and breath during ovulation quantified using selected ion flow tube mass spectrometry. <i>Physiological Measurement</i> , 2003, 24, 191-199.	2.1	44
149	On-line, simultaneous quantification of ethanol, some metabolites and water vapour in breath following the ingestion of alcohol. <i>Physiological Measurement</i> , 2002, 23, 477-489.	2.1	78
150	Comparative measurements of total body water in healthy volunteers by online breath deuterium measurement and other near-subject methods. <i>American Journal of Clinical Nutrition</i> , 2002, 76, 1295-1301.	4.7	30
151	A selected ion flow tube study of the reactions of H ₃ O ⁺ , NO ⁺ , and O ₂ ⁺ with saturated and unsaturated aldehydes and subsequent hydration of the product ions. <i>International Journal of Mass Spectrometry</i> , 2002, 213, 163-176.	1.5	80
152	A selected ion flow tube (SIFT), study of the reactions of H ₃ O ⁺ , NO ⁺ and O ₂ ⁺ ions with a series of alkenes; in support of SIFT-MS. <i>International Journal of Mass Spectrometry</i> , 2002, 218, 87-101.	1.5	59
153	A selected ion flow tube, SIFT, study of the reactions of H ₃ O ⁺ , NO ⁺ and O ₂ ⁺ ions with a series of diols. <i>International Journal of Mass Spectrometry</i> , 2002, 218, 227-236.	1.5	32
154	Kinetics and isotope patterns of ethanol and acetaldehyde emissions from yeast fermentations of glucose and glucose-6,6-d ₂ using selected ion flow tube mass spectrometry: a case study. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 69-76.	1.5	28
155	Analysis of petrol and diesel vapour and vehicle engine exhaust gases using selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1124-1134.	1.5	46
156	Selected ion flow tube studies of the reactions of H ₃ O ⁺ , NO ⁺ and O ₂ ⁺ with the anaesthetic gases halothane, isoflurane and sevoflurane. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1860-1870.	1.5	20
157	Quantification of volatile compounds in the headspace of aqueous liquids using selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 2148-2153.	1.5	38
158	Product ion distributions and rate coefficients for the attachment reactions of electrons with CHCl ₂ Br, CCl ₂ Br ₂ , and CHClBr ₂ . <i>International Journal of Mass Spectrometry</i> , 2001, 205, 243-252.	1.5	10
159	Concurrent use of H ₃ O ⁺ , NO ⁺ , and O ₂ ⁺ precursor ions for the detection and quantification of diverse trace gases in the presence of air and breath by selected ion-flow tube mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2001, 209, 81-97.	1.5	66
160	Quantitative selected ion flow tube mass spectrometry: The influence of ionic diffusion and mass discrimination. <i>Journal of the American Society for Mass Spectrometry</i> , 2001, 12, 863-872.	2.8	60
161	On-line measurement of the absolute humidity of air, breath and liquid headspace samples by selected ion flow tube mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 563-569.	1.5	78
162	Accuracy and precision of flowing afterglow mass spectrometry for the determination of the deuterium abundance in the headspace of aqueous liquids and exhaled breath water. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 867-872.	1.5	53

#	ARTICLE	IF	CITATIONS
163	On-line determination of the deuterium abundance in breath water vapour by flowing afterglow mass spectrometry with applications to measurements of total body water. Rapid Communications in Mass Spectrometry, 2001, 15, 25-32.	1.5	57
164	A new "online"™ method to measure increased exhaled isoprene in end-stage renal failure. Nephrology Dialysis Transplantation, 2001, 16, 836-839.	0.7	75
165	Rapid measurement of deuterium content of breath following oral ingestion to determine body water. Physiological Measurement, 2001, 22, 651-659.	2.1	39
166	An investigation of the reactions of H ₃ O ⁺ and O ₂ ⁺ with NO, NO ₂ , N ₂ O and HNO ₂ in support of selected ion flow tube mass spectrometry. , 2000, 14, 646-651.		20
167	Quantification of hydrogen sulphide in humid air by selected ion flow tube mass spectrometry. Rapid Communications in Mass Spectrometry, 2000, 14, 1136-1140.	1.5	44
168	Influence of water vapour on selected ion flow tube mass spectrometric analyses of trace gases in humid air and breath. Rapid Communications in Mass Spectrometry, 2000, 14, 1898-1906.	1.5	70
169	Selected ion flow tube mass spectrometry analyses of stable isotopes in water: Isotopic composition of H ₃ O ⁺ and H ₃ O ⁺ (H ₂ O) ₃ ions in exchange reactions with water vapor. Journal of the American Society for Mass Spectrometry, 2000, 11, 866-875.	2.8	25
170	Quantification of hydrogen sulphide in humid air by selected ion flow tube mass spectrometry. Rapid Communications in Mass Spectrometry, 2000, 14, 1136-1140.	1.5	2
171	Trace gases in breath of healthy volunteers when fasting and after a protein-calorie meal: a preliminary study. Journal of Applied Physiology, 1999, 87, 1584-1588.	2.5	160
172	SIFT Applications in Mass Spectrometry*. , 1999, , 2518-2530.		3
173	Selected ion flow tube studies of the reactions of H ₃ O ⁺ , NO ⁺ , and O ₂ ⁺ with eleven amine structural isomers of c ₅ H ₁₃ N. International Journal of Mass Spectrometry, 1999, 185-187, 139-147.	1.5	30
174	Selected ion flow tube studies of the reactions of H ₃ O ⁺ , NO ⁺ , and O ₂ ⁺ with some chloroalkanes and chloroalkenes. International Journal of Mass Spectrometry, 1999, 184, 175-181.	1.5	49
175	Selected ion flow tube studies of the reactions of H ₃ O ⁺ , NO ⁺ , and O ₂ ⁺ with several aromatic and aliphatic monosubstituted halocarbons. International Journal of Mass Spectrometry, 1999, 189, 213-223.	1.5	53
176	Competitive association and charge transfer in the reactions of NO ⁺ with some ketones: a selected ion flow drift tube study. International Journal of Mass Spectrometry, 1999, 193, 35-43.	1.5	27
177	Selected ion flow tube - mass spectrometry: detection and real-time monitoring of flavours released by food products. Rapid Communications in Mass Spectrometry, 1999, 13, 585-596.	1.5	120
178	Selected ion flow tube mass spectrometry of urine headspace. , 1999, 13, 724-729.		60
179	Analysis of formaldehyde in the headspace of urine from bladder and prostate cancer patients using selected ion flow tube mass spectrometry. Rapid Communications in Mass Spectrometry, 1999, 13, 1354-1359.	1.5	166
180	Quantification of breath isoprene using the selected ion flow tube mass spectrometric analytical method. , 1999, 13, 1733-1738.		81

#	ARTICLE	IF	CITATIONS
181	SIFT Applications in Mass Spectrometry. , 1999, , 2092-2105.		15
182	Selected ion flow tube " mass spectrometry: detection and real-time monitoring of flavours released by food products. Rapid Communications in Mass Spectrometry, 1999, 13, 585-596.	1.5	2
183	Analysis of formaldehyde in the headspace of urine from bladder and prostate cancer patients using selected ion flow tube mass spectrometry. Rapid Communications in Mass Spectrometry, 1999, 13, 1354-1359.	1.5	1
184	The influences of gas and electron temperatures on electron attachment in gas electrical discharges. European Physical Journal D, 1998, 48, 1119-1134.	0.4	3
185	Quantification of ammonia in human breath by the selected ion flow tube analytical method using H ₃ O ⁺ and O ₂ ⁺ precursor ions. , 1998, 12, 763-766.		74
186	Selected ion flow tube studies of the reactions of H ₃ O ⁺ , NO ⁺ , and O ₂ ⁺ with some organosulphur molecules. International Journal of Mass Spectrometry, 1998, 176, 167-176.	1.5	71
187	Selected ion flow tube studies of the reactions of H ₃ O ⁺ , NO ⁺ , and O ₂ ⁺ with several amines and some other nitrogen-containing molecules. International Journal of Mass Spectrometry, 1998, 176, 203-211.	1.5	76
188	Selected ion flow tube studies of the reactions of H ₃ O ⁺ , NO ⁺ , and O ₂ ⁺ with several aromatic and aliphatic hydrocarbons. International Journal of Mass Spectrometry, 1998, 181, 1-10.	1.5	205
189	SIFT studies of the reactions of H ₃ O ⁺ , NO ⁺ and O ₂ ⁺ with a series of volatile carboxylic acids and esters. International Journal of Mass Spectrometry and Ion Processes, 1998, 172, 137-147.	1.8	118
190	SIFT studies of the reactions of H ₃ O ⁺ , NO ⁺ and O ₂ ⁺ with several ethers. International Journal of Mass Spectrometry and Ion Processes, 1998, 172, 239-247.	1.8	58
191	The Selected Ion Flow Tube Method for Workplace Analyses of Trace Gases in Air and Breath: Its Scope, Validation, and Applications. Journal of Occupational and Environmental Hygiene, 1998, 13, 817-823.	0.4	42
192	Gas phase reactions of some positive ions with atomic and molecular hydrogen at 300 K. Journal of Chemical Physics, 1997, 106, 3982-3987.	3.0	44
193	Quantitative analysis of ammonia on the breath of patients in end-stage renal failure. Kidney International, 1997, 52, 223-228.	5.2	328
194	SIFT studies of the reactions of H ₃ O ⁺ , NO ⁺ and O ₂ ⁺ with a series of alcohols. International Journal of Mass Spectrometry and Ion Processes, 1997, 167-168, 375-388.	1.8	196
195	SIFT studies of the reactions of H ₃ O ⁺ , NO ⁺ and O ₂ ⁺ with a series of aldehydes and ketones. International Journal of Mass Spectrometry and Ion Processes, 1997, 165-166, 25-37.	1.8	194
196	A selected ion flow tube study of the reactions of NO ⁺ and O ₂ ⁺ ions with some organic molecules: The potential for trace gas analysis of air. Journal of Chemical Physics, 1996, 104, 1893-1899.	3.0	52
197	The Novel Selected-ion Flow Tube Approach to Trace Gas Analysis of Air and Breath. , 1996, 10, 1183-1198.		154
198	Radiation from the reactions of NO ⁺ with Cl ⁻ and I ⁻ . Chemical Physics Letters, 1996, 258, 477-484.	2.6	12

#	ARTICLE	IF	CITATIONS
199	Application of ion chemistry and the SIFT technique to the quantitative analysis of trace gases in air and on breath. <i>International Reviews in Physical Chemistry</i> , 1996, 15, 231-271.	2.3	130
200	Electron attachment to and in the gas phase. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 5199-5212.	1.5	25
201	Swarm Techniques. <i>Methods in Experimental Physics</i> , 1995, , 273-298.	0.1	16
202	Ions in the terrestrial atmosphere and in interstellar clouds. <i>Mass Spectrometry Reviews</i> , 1995, 14, 255-278.	5.4	166
203	Reactions of H ₃ O ⁺ and OH ⁺ ions with some organic molecules; applications to trace gas analysis in air. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995, 145, 177-186.	1.8	62
204	The reactions of some interstellar ions with benzene, cyclopropane and cyclohexane. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995, 141, 117-126.	1.8	8
205	Formation and decay of C ₆₀ ⁻ following free electron capture by C ₆₀ . <i>Journal of Chemical Physics</i> , 1995, 102, 2516-2521.	3.0	85
206	Reactions of Hydrated Hydronium Ions and Hydrated Hydroxide Ions with Some Hydrocarbons and Oxygen-Bearing Organic Molecules. <i>The Journal of Physical Chemistry</i> , 1995, 99, 15551-15556.	2.9	111
207	Studies of Electron Attachment at Thermal Energies Using the Flowing Afterglow "Langmuir Probe Technique. <i>Advances in Atomic, Molecular and Optical Physics</i> , 1994, 32, 307-343.	2.3	134
208	Formation of C ₆₀ ⁻ and C ₇₀ ⁻ by free electron capture. Activation energy and effect of the internal energy on lifetime. <i>Chemical Physics Letters</i> , 1994, 226, 213-218.	2.6	117
209	A study of electron attachment to C ₇₀ using the FALP technique. <i>Chemical Physics Letters</i> , 1994, 229, 262-266.	2.6	22
210	Falp Studies of Electron-Ion Recombination and Electron Attachment. <i>NATO ASI Series Series B: Physics</i> , 1994, , 487-493.	0.2	1
211	Electron attachment to C ₆₀ at low energies. <i>Chemical Physics Letters</i> , 1993, 213, 202-206.	2.6	73
212	Dissociative recombination of H ₃ ⁺ . Experiment and theory reconciled. <i>Chemical Physics Letters</i> , 1993, 211, 454-460.	2.6	42
213	Reactions between H ₃ ⁺ and rare gas atoms. <i>Chemical Physics Letters</i> , 1993, 208, 497-502.	2.6	19
214	The formation of interstellar molecules: the role of radiative association. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993, 129, 1-15.	1.8	20
215	FALP studies of the dissociative recombination coefficients for O ₂ ⁺ and NO ⁺ within the electron temperature range 300-2000 K. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993, 129, 183-191.	1.8	41
216	FALP studies of electron attachment at elevated electron temperatures: the influence of attachment on electron energy distributions. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993, 129, 193-203.	1.8	32

#	ARTICLE	IF	CITATIONS
217	Dissociative recombination of H ₃ ⁺ and some other interstellar ions: a controversy resolved. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993, 129, 163-182.	1.8	93
218	The ion chemistry of interstellar clouds. <i>Chemical Reviews</i> , 1992, 92, 1473-1485.	47.7	348
219	Studies of interstellar ion reactions using the SIFT technique: isotope fractionation. <i>Accounts of Chemical Research</i> , 1992, 25, 414-420.	15.6	25
220	A selected ion-flow tube study of the reactions of O ⁺ , H ⁺ and HeH ⁺ with several molecular gases at 300 K. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1992, 117, 457-473.	1.8	47
221	Some reactions of the highly polar ion ArH ₃ ⁺ . <i>Chemical Physics Letters</i> , 1992, 191, 587-591.	2.6	11
222	Proton motion within proton-bound dimers: H ₃ O ⁺ · H ₂ O ↔ H ₂ O · H ₃ O ⁺ , NH ₄ ⁺ · NH ₃ ↔ NH ₃ · NH ₄ ⁺ and CH ₅ ⁺ · CH ₄ ↔ CH ₄ · CH ₅ ⁺ A Kinetic model for isotope-exchange reactions. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1991, 109, 105-132.	1.8	23
223	Unimolecular decomposition of a polyatomic ion in a variable-temperature selected-ion-flow-drift tube: experiment and theoretical interpretation. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1990, 96, 77-96.	1.8	37
224	A selected ion flow tube study of the reactions of F ⁺ , Cl ⁺ , Br ⁺ and I ⁺ with several molecular gases at 300 K. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1990, 100, 737-751.	1.8	21
225	Kinetic energy, temperature, and derived rotational temperature dependences for the reactions of Kr ⁺ (2P _{3/2}) and Ar ⁺ with HCl. <i>Journal of Chemical Physics</i> , 1990, 93, 1149-1157.	3.0	195
226	Interstellar ion chemistry: laboratory studies. , 1990, , 181-210.		7
227	OH production in the dissociative recombination of H ₃ O ⁽⁺⁾ , HCO ₂ ⁽⁺⁾ , and N ₂ OH ⁽⁺⁾ - Comparison with theory and interstellar implications. <i>Astrophysical Journal</i> , 1990, 349, 388.	4.5	78
228	A selected ion flow tube study of the reactions of the PH _n ⁺ ions (n=0 to 4) with several molecular gases at 300 K. <i>Journal of Chemical Physics</i> , 1989, 90, 6213-6219.	3.0	51
229	Production of dimer ions M ₂ ⁺ (M ⁺ → CH ₄ , H ₂ O, COS, C ₂ H ₂ , C ₂ H ₆ , HCl, N ₂ O and CO) in binary ion-molecule reactions. <i>Chemical Physics Letters</i> , 1989, 161, 30-34.	2.6	20
230	FALP studies of electron attachment reactions of C ₆ F ₅ Cl, C ₆ F ₅ Br and C ₆ F ₅ I. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1989, 87, 331-342.	1.8	25
231	A study of dissociative electron attachment to CF ₃ SO ₃ CH ₃ and CF ₃ SO ₃ C ₂ H ₅ triflate esters using the FALP apparatus. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1989, 91, 177-182.	1.8	6
232	The mechanism of the reaction CH ₅ ⁺ + CH ₄ = CH ₆ ⁺ + CH ₃ as a function of energy: rate constants and product distributions for the reactions of CH ₅ ⁺ + CD ₄ and CD ₅ ⁺ + CH ₄ at 80 and 300 K. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1989, 92, 15-36.	1.8	21
233	A study of reactions of C _n H _m ⁺ ions (n = 4, 5, 6; m = 0-6) with H ₂ and CO at 300 K and 80 K. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1989, 89, 303-317.	1.8	24
234	Development of the flowing afterglow/Langmuir probe technique for studying the neutral products of dissociative recombination using spectroscopic techniques: OH production in the HCO ₂ ⁺ reaction. <i>Journal of Chemical Physics</i> , 1989, 91, 963-973.	3.0	44

#	ARTICLE	IF	CITATIONS
235	A brief review of interstellar ion chemistry. Journal of the Chemical Society, Faraday Transactions 2, 1989, 85, 1613.	1.1	45
236	Determination of the proton affinities of H ₂ O and CS ₂ relative to C ₂ H ₄ . Chemical Physics Letters, 1988, 148, 142-148.	2.6	27
237	Measurements of the dissociative recombination coefficients for several polyatomic ion species at 300 K. Chemical Physics Letters, 1988, 144, 11-14.	2.6	69
238	Ionic reactions in atmospheric, interstellar and laboratory plasmas. Contemporary Physics, 1988, 29, 559-578.	1.8	9
239	Drift Tube Studies of Ion-Neutral Reactions and Their Relevance to Interstellar Chemistry. Astrophysics and Space Science Library, 1988, , 153-171.	2.7	2
240	Laboratory Studies of Dissociative Recombination and Mutual Neutralization and Their Relevance to Interstellar Chemistry. Astrophysics and Space Science Library, 1988, , 173-192.	2.7	27
241	Chemical Pathways for Deuterium Fractionation in Interstellar Molecules. Astrophysics and Space Science Library, 1988, , 201-207.	2.7	8
242	Recent Advances in the studies of Reaction Rates relevant to Interstellar Chemistry. Symposium - International Astronomical Union, 1987, 120, 1-18.	0.1	1
243	Recent Advances in the Studies of Reaction Rates Relevant to Interstellar Chemistry. , 1987, , 1-18.		7
244	Ion-molecule calculation of the abundance ratio of CCD to CCH in dense interstellar clouds. Astrophysical Journal, 1987, 312, 351.	4.5	41
245	On the synthesis of c-C ₃ H ₂ in interstellar clouds. Astrophysical Journal, 1987, 317, L25.	4.5	67
246	Three-body association of CO ⁺ and N ₂ . The case for a chemical bond. Chemical Physics Letters, 1986, 128, 84-86.	2.6	18
247	Dissociative attachment reactions of electrons with strong acid molecules. Journal of Chemical Physics, 1986, 84, 6728-6731.	3.0	52
248	Comparative effects of temperature and kinetic energy change on the reaction of O ₂ ⁺ with CH ₄ and CD ₄ . International Journal of Mass Spectrometry and Ion Processes, 1985, 67, 67-74.	1.8	30
249	Isotope Exchange in Ion-Molecule Reactions. , 1984, , 41-66.		7
250	Isotope exchange and collisional association in the reactions of CH ₃ ⁺ and its deuterated analogs with H ₂ , HD, and D ₂ . Journal of Chemical Physics, 1982, 77, 1261-1268.	3.0	54
251	Reactions of the H _n S ⁺ ions (n = 0 to 3) with several molecular gases at thermal energies. Journal of Chemical Physics, 1981, 75, 3365-3370.	3.0	46
252	Elementary plasma reactions of environmental interest. Topics in Current Chemistry, 1980, , 1-43.	4.0	64

#	ARTICLE	IF	CITATIONS
253	An experimental survey of the reactions of NH_n^+ ions ($n=0$ to 4) with several diatomic and polyatomic molecules at 300 K. Journal of Chemical Physics, 1980, 72, 288-297.	3.0	143
254	Ion Molecule Reactions in Low Temperature Plasmas: Formation of Interstellar Species. , 1979, , 345-376.		3
255	Mutual neutralization of simple and clustered positive and negative ions. Journal of Chemical Physics, 1978, 68, 1224-1229.	3.0	64