

C L Paul Thomas

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,304
citations

361413

20
h-index

345221

36
g-index

38
all docs

38
docs citations

38
times ranked

1616
citing authors

#	ARTICLE	IF	CITATIONS
1	Breath collection protocol for SARs-CoV-2 testing in an ambulatory setting. <i>Journal of Breath Research</i> , 2022, , .	3.0	5
2	The utility of a standardised breath sampler in school age children within a real-world prospective study. <i>Journal of Breath Research</i> , 2022, 16, 027104.	3.0	2
3	Fast and automated biomarker detection in breath samples with machine learning. <i>PLoS ONE</i> , 2022, 17, e0265399.	2.5	3
4	Sensorsâ€™ array of aspiration ion mobility spectrometer as a tool for bacteria discrimination. <i>Talanta</i> , 2020, 206, 120233.	5.5	13
5	VOCcluster: Untargeted Metabolomics Feature Clustering Approach for Clinical Breath Gas Chromatography/Mass Spectrometry Data. <i>Analytical Chemistry</i> , 2020, 92, 2937-2945.	6.5	26
6	Diagnosis of COVID-19 by analysis of breath with gas chromatography-ion mobility spectrometry - a feasibility study. <i>EClinicalMedicine</i> , 2020, 29-30, 100609.	7.1	153
7	Ion mobility spectrometry. , 2020, , 171-183.		1
8	Breath analysis by two-dimensional gas chromatography with dual flame ionisation and mass spectrometric detection â€“ Method optimisation and integration within a large-scale clinical study. <i>Journal of Chromatography A</i> , 2019, 1594, 160-172.	3.7	46
9	Discrimination of bacteria by rapid sensing their metabolic volatiles using an aspiration-type ion mobility spectrometer (a-IMS) and gas chromatography-mass spectrometry GC-MS. <i>Analytica Chimica Acta</i> , 2017, 982, 209-217.	5.4	41
10	How long may a breath sample be stored for atâ€™%â€™%â€™80 Â°C? A study of the stability of volatile organic compounds trapped onto a mixed Tenax:Carbograph trap adsorbent bed from exhaled breath. <i>Journal of Breath Research</i> , 2016, 10, 026011.	3.0	44
11	Spatial variations in the microbial community structure and diversity of the human foot is associated with the production of odorous volatiles. <i>FEMS Microbiology Ecology</i> , 2015, 91, 1-11.	2.7	21
12	Analysis of human breath samples using a modified thermal desorption: gas chromatography electrospray ionization interface. <i>Journal of Breath Research</i> , 2014, 8, 037105.	3.0	27
13	Dynamic Vapor Generator That Simulates Transient Odor Emissions of Victims Entrapped in the Voids of Collapsed Buildings. <i>Analytical Chemistry</i> , 2014, 86, 3887-3894.	6.5	16
14	High throughput volatile fatty acid skin metabolite profiling by thermal desorption secondary electrospray ionisation mass spectrometry. <i>Analyst, The</i> , 2014, 139, 4279-4286.	3.5	26
15	Metabolic profiling of human saliva before and after induced physiological stress by ultra-high performance liquid chromatographyâ€™ion mobilityâ€™mass spectrometry. <i>Metabolomics</i> , 2013, 9, 1192-1201.	3.0	40
16	Detection of Metabolites of Trapped Humans Using Ion Mobility Spectrometry Coupled with Gas Chromatography. <i>Analytical Chemistry</i> , 2013, 85, 2135-2142.	6.5	47
17	Control of dopants/modifiers in differential mobility spectrometry using a piezoelectric injector. <i>Analyst, The</i> , 2012, 137, 1458.	3.5	15
18	A workflow for the metabolomic/metabonomic investigation of exhaled breath using thermal desorption GCâ€™MS. <i>Bioanalysis</i> , 2012, 4, 2227-2237.	1.5	27

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19	Sampling and characterisation of volatile organic compound profiles in human saliva using a polydimethylsiloxane coupon placed within the oral cavity. <i>Analyst, The</i> , 2012, 137, 3627.	3.5	24
20	Assessment of the Feasibility of the Use of Conductive Polymers in the Fabrication of Ion Mobility Spectrometers. <i>Analytical Chemistry</i> , 2011, 83, 2613-2621.	6.5	5
21	Rapid determination of alcohols in human saliva by gas chromatography differential mobility spectrometry following selective membrane extraction. <i>International Journal for Ion Mobility Spectrometry</i> , 2010, 13, 55-63.	1.4	8
22	Optimisation of piezoelectric injection of dopants and drift gas modifiers in transverse ion mobility spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , 2010, 13, 149-155.	1.4	6
23	Novel noninvasive identification of biomarkers by analytical profiling of chronic wounds using volatile organic compounds. <i>Wound Repair and Regeneration</i> , 2010, 18, 391-400.	3.0	78
24	Non-invasive metabolomic analysis of breath using differential mobility spectrometry in patients with chronic obstructive pulmonary disease and healthy smokers. <i>Analyst, The</i> , 2010, 135, 315.	3.5	119
25	Optimisation of secondary electrospray ionisation (SESI) for the trace determination of gas-phase volatile organic compounds. <i>Analyst, The</i> , 2010, 135, 306.	3.5	48
26	Chemical standards for ion mobility spectrometry: a review. <i>International Journal for Ion Mobility Spectrometry</i> , 2009, 12, 1-14.	1.4	84
27	Discrimination of bacteria using pyrolysis-gas chromatography-differential mobility spectrometry (Py-GC-DMS) and chemometrics. <i>Analyst, The</i> , 2009, 134, 557-563.	3.5	37
28	Optimising cell temperature and dispersion field strength for the screening for putrescine and cadaverine with thermal desorption-gas chromatography-differential mobility spectrometry. <i>Analytica Chimica Acta</i> , 2008, 611, 226-232.	5.4	25
29	The presumptive detection of benzene in water in the presence of phenol with an active membrane-LIV photo-ionisation differential mobility spectrometer. <i>Analyst, The</i> , 2006, 131, 990.	3.5	13
30	Programmable gate delayed ion mobility spectrometry-mass spectrometry: A study with low concentrations of dipropylene-glycol-monomethyl-ether in air. <i>Analyst, The</i> , 2005, 130, 1155.	3.5	13
31	Ion mobility spectrometry: a review. Part 1. Structural analysis by mobility measurement. <i>Analyst, The</i> , 2004, 129, 984.	3.5	207
32	Characterisation of the phosgene response of a membrane inlet ⁶³ Ni ion mobility spectrometer. <i>Analyst, The</i> , 2002, 127, 1211-1217.	3.5	15
33	The response of a membrane inlet ion mobility spectrometer to chlorine and the effect of water contamination of the drying media on ion mobility spectrometric responses to chlorine. <i>Analyst, The</i> , 2001, 126, 1539-1544.	3.5	31
34	The Determination of Formaldehyde using Thermal Desorption " Ion Mobility Spectrometry. , 2001, , .		0
35	Sampling procedures for intrinsically valid volatile organic compound measurements. <i>Analyst, The</i> , 2000, 125, 825-832.	3.5	12
36	Effect of relative humidity on the determination of formaldehyde with the NIOSH 3500 method (chromatropic acid method). <i>Analytical Communications</i> , 1998, 35, 103-105.	2.2	5

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37	Determination of Formaldehyde by Conversion to Hexahydrooxazolo[3,4-a]pyridine in a Denuder Tube With Recovery by Thermal Desorption, and Analysis by Gas Chromatographyâ€“Mass Spectrometryâ€“. Analyst, The, 1997, 122, 1471-1476.	3.5	16
38	Voltammetric determination of airborne 2-chloronitrobenzene using a recirculating absorbent vapour sampler. Analyst, The, 1988, 113, 1799.	3.5	5