

Antony N Davies

List of Publications by Year in descending order

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58
papers

961
citations

471509

17
h-index

454955

30
g-index

63
all docs

63
docs citations

63
times ranked

1141
citing authors

#	ARTICLE	IF	CITATIONS
1	IUPAC specification for the FAIR management of spectroscopic data in chemistry (IUPAC FAIRSpec) – guiding principles. <i>Pure and Applied Chemistry</i> , 2022, 94, 623-636.	1.9	7
2	An overview of the JCAMP-DX format. <i>Pure and Applied Chemistry</i> , 2022, .	1.9	2
3	Influence of TiO ₂ pigment particles on chromate ion transport in epoxy films. <i>Npj Materials Degradation</i> , 2021, 5, .	5.8	1
4	Chromate ion transport in epoxy films: Influence of BaSO ₄ particles. <i>Progress in Organic Coatings</i> , 2020, 147, 105739.	3.9	4
5	Dealing with complexity: general discussion. <i>Faraday Discussions</i> , 2019, 218, 138-156.	3.2	1
6	High resolution techniques: general discussion. <i>Faraday Discussions</i> , 2019, 218, 247-267.	3.2	4
7	Data mining and visualisation: general discussion. <i>Faraday Discussions</i> , 2019, 218, 354-371.	3.2	2
8	Future challenges and new approaches: general discussion. <i>Faraday Discussions</i> , 2019, 218, 505-523.	3.2	1
9	Use of headspace – gas chromatography – ion mobility spectrometry to detect volatile fingerprints of palm fibre oil and sludge palm oil in samples of crude palm oil. <i>BMC Research Notes</i> , 2019, 12, 229.	1.4	17
10	New insights into the complex photoluminescence behaviour of titanium white pigments. <i>Dyes and Pigments</i> , 2018, 155, 14-22.	3.7	17
11	Chemometrics for ion mobility spectrometry data: recent advances and future prospects. <i>Analyst</i> , The, 2016, 141, 5689-5708.	3.5	44
12	Boosting model performance and interpretation by entangling preprocessing selection and variable selection. <i>Analytica Chimica Acta</i> , 2016, 938, 44-52.	5.4	39
13	Increasing conclusiveness of clinical breath analysis by improved baseline correction of multi capillary column – ion mobility spectrometry (MCC-IMS) data. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 127, 170-175.	2.8	19
14	Breath analysis: translation into clinical practice. <i>Journal of Breath Research</i> , 2015, 9, 027109.	3.0	17
15	Data Size Reduction Strategy for the Classification of Breath and Air Samples Using Multicapillary Column-Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 869-875.	6.5	26
16	All Optical Nanostructured Sensor Based on Metal-Dielectric-Metal Plasmonic Waveguide. , 2012, , .		0
17	FREQUENCY-SELECTIVE NANOSTRUCTURED PLASMONIC ABSORBER BY HIGHLY LOSSY INTERFACE MODE. <i>Progress in Electromagnetics Research</i> , 2012, 124, 511-525.	4.4	4
18	Biomarker validation – room air variation during human breath investigations. <i>International Journal for Ion Mobility Spectrometry</i> , 2010, 13, 177-184.	1.4	21

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19	Differentiation of chronic obstructive pulmonary disease (COPD) including lung cancer from healthy control group by breath analysis using ion mobility spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , 2010, 13, 131-139.	1.4	59
20	One-year time series of investigations of analytes within human breath using ion mobility spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , 2010, 13, 141-148.	1.4	22
21	Spectral Variable Selection for Partial Least Squares Calibration Applied to Authentication and Quantification of Extra Virgin Olive Oils Using Fourier Transform Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2005, 59, 1286-1294.	2.2	58
22	Geographic Classification of Extra Virgin Olive Oils from the Eastern Mediterranean by Chemometric Analysis of Visible and Near-Infrared Spectroscopic Data. <i>Applied Spectroscopy</i> , 2003, 57, 158-163.	2.2	78
23	Detecting and Quantifying Sunflower Oil Adulteration in Extra Virgin Olive Oils from the Eastern Mediterranean by Visible and Near-Infrared Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 5520-5525.	5.2	163
24	Authentication and Quantification of Extra Virgin Olive Oils by Attenuated Total Reflectance Infrared Spectroscopy Using Silver Halide Fiber Probes and Partial Least-Squares Calibration. <i>Applied Spectroscopy</i> , 2001, 55, 563-570.	2.2	37
25	On-line flash thermodesorption-MS determination of PCB in sewage sludge. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 371, 855-858.	1.5	3
26	A comparison of various pyrolysis experiments for the analysis of reference humic substances. <i>Journal of Analytical and Applied Pyrolysis</i> , 2001, 60, 145-157.	5.5	6
27	JCAMP-DX. A standard format for the exchange of ion mobility spectrometry data (IUPAC) <i>Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 5</i>	1.9	20
28	Guidelines for the representation of pulse sequences for solution-state nuclear magnetic resonance spectrometry (IUPAC Recommendations 2001). <i>Pure and Applied Chemistry</i> , 2001, 73, 1749-1764.	1.9	7
29	Acoustic Trap for Simplified Micro-Sample Handling in Laser Spectroscopy. <i>Applied Spectroscopy</i> , 2000, 54, 1831-1836.	2.2	16
30	Study of the Use of Molecular Spectroscopy for the Authentication of Extra Virgin Olive Oils. Part I: Fourier Transform Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2000, 54, 1864-1867.	2.2	30
31	An Extension to the JCAMP-DX Standard File Format, JCAMP-DX V.5.01. <i>Pure and Applied Chemistry</i> , 1999, 71, 1549-1556.	1.9	23
32	New software solutions for analytical spectroscopists. <i>Journal of Molecular Structure</i> , 1999, 480-481, 61-67.	3.6	1
33	Guidelines for the use of the Internet by IUPAC bodies. <i>Pure and Applied Chemistry</i> , 1999, 71, 1587-1591.	1.9	0
34	Empirical Investigation on the Reproducibility of ¹³ C NMR Shift Values. <i>Journal of Chemical Information and Computer Sciences</i> , 1998, 38, 1096-1101.	2.8	7
35	Preliminary investigations into the interactions of herbicides with aqueous humic substances. <i>Pest Management Science</i> , 1997, 51, 450-454.	0.4	2
36	Multidimensional spectroscopic identification of the pesticide dinocap. <i>Journal of Molecular Structure</i> , 1995, 349, 361-364.	3.6	1

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37	Identification of Dinocap in water using GC/IR and GC/MS. Fresenius' Journal of Analytical Chemistry, 1995, 352, 743-747.	1.5	5
38	Non-linear Raman spectroscopy of liquid crystals: Polarization measurements and relaxation processes in 4-cyano-4'-heptylbiphenyl (7CB). Journal of Raman Spectroscopy, 1994, 25, 521-529.	2.5	13
39	Pyrolysis-GC-FTIR for structural elucidation of aquatic humic substances. Fresenius' Journal of Analytical Chemistry, 1994, 350, 528-532.	1.5	17
40	JCAMP-DX for Mass Spectrometry. Applied Spectroscopy, 1994, 48, 1545-1552.	2.2	43
41	Developments in spectroscopic data handling. Analyst, The, 1994, 119, 539.	3.5	5
42	JCAMP-DX for NMR. Applied Spectroscopy, 1993, 47, 1093-1099.	2.2	58
43	Scientific databases. Analytical Proceedings, 1993, 30, 199.	0.4	1
44	<title>Applications of new spectroscopic data transfer standards</title>. , 1992, 1575, 488.		0
45	Chapter 39 Developments in Scientific Data Transfer. Data Handling in Science and Technology, 1990, 6, 445-453.	3.1	1
46	Infrared spectra for a multi discipline spectroscopy system. Fresenius Zeitschrift Für Analytische Chemie, 1989, 335, 884-886.	0.8	0
47	Molecular assemblies in discotic mesophases and Langmuir-Blodgett films of 1,4,8,11,15,18,22,25-octasubstituted phthalocyanines. Chemistry of Materials, 1989, 1, 287-289.	6.7	30
48	Concentration-modulated absorptiion spectroscopy.I. Chemical Physics, 1986, 101, 117-125.	1.9	15
49	Concentration-modulated absorption spectroscopy. II. temporal variation of gain. Chemical Physics, 1986, 101, 127-132.	1.9	7
50	Letter to the Editor: origins of volume fraction for better calibrations. Spectroscopy Europe, 0, , 20.	0.0	0
51	FAIR enough?. Spectroscopy Europe, 0, , 25.	0.0	2
52	FAIR practice. Spectroscopy Europe, 0, , 18.	0.0	0
53	NMRium browser-based nuclear magnetic resonance data processing. Spectroscopy Europe, 0, , 21.	0.0	2
54	Finding data in today's information age: the Bayer COLID system. Spectroscopy Europe, 0, , 80.	0.0	0

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55	A national data strategy. Spectroscopy Europe, 0, , 30.	0.0	1
56	Svante Wold 1941â€“2022. Spectroscopy Europe, 0, , 27.	0.0	0
57	Open publishing FAIR spectra for and by students. Spectroscopy Europe, 0, , 22.	0.0	1
58	Look back and wonder. Spectroscopy Europe, 0, , .	0.0	0