Antony N Davies

List of Publications by Year
in descending order

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	Detecting and Quantifying Sunflower Oil Adulteration in Extra Virgin Olive Oils from the Eastern Mediterranean by Visible and Near-Infrared Spectroscopy. Journal of Agricultural and Food Chemistry, 2002, 50, 5520-5525.	5.2	163
2	Geographic Classification of Extra Virgin Olive Oils from the Eastern Mediterranean by Chemometric Analysis of Visible and Near-Infrared Spectroscopic Data. Applied Spectroscopy, 2003, 57, 158-163.	2.2	78
3	Differentiation of chronic obstructive pulmonary disease (COPD) including lung cancer from healthy control group by breath analysis using ion mobility spectrometry. International Journal for Ion Mobility Spectrometry, 2010, 13, 131-139.	1.4	59
4	JCAMP-DX for NMR. Applied Spectroscopy, 1993, 47, 1093-1099.	2.2	58
5	Spectral Variable Selection for Partial Least Squares Calibration Applied to Authentication and Quantification of Extra Virgin Olive Oils Using Fourier Transform Raman Spectroscopy. Applied Spectroscopy, 2005, 59, 1286-1294.	2.2	58
6	Chemometrics for ion mobility spectrometry data: recent advances and future prospects. Analyst, The, 2016, 141, 5689-5708.	3.5	44
7	JCAMP-DX for Mass Spectrometry. Applied Spectroscopy, 1994, 48, 1545-1552.	2.2	43
8	Boosting model performance and interpretation by entangling preprocessing selection and variable selection. Analytica Chimica Acta, 2016, 938, 44-52.	5.4	39
9	Authentication and Quantification of Extra Virgin Olive Oils by Attenuated Total Reflectance Infrared Spectroscopy Using Silver Halide Fiber Probes and Partial Least-Squares Calibration. Applied Spectroscopy, 2001, 55, 563-570.	2.2	37
10	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
11	Study of the Use of Molecular Spectroscopy for the Authentication of Extra Virgin Olive Oils. Part I: Fourier Transform Raman Spectroscopy. Applied Spectroscopy, 2000, 54, 1864-1867.	2.2	30
12	Data Size Reduction Strategy for the Classification of Breath and Air Samples Using Multicapillary Column-Ion Mobility Spectrometry. Analytical Chemistry, 2015, 87, 869-875.	6.5	26
13	An Extension to the JCAMP-DX Standard File Format, JCAMP-DX V.5.01. Pure and Applied Chemistry, 1999, 71, 1549-1556.	1.9	23
14	One-year time series of investigations of analytes within human breath using ion mobility spectrometry. International Journal for Ion Mobility Spectrometry, 2010, 13, 141-148.	1.4	22
15	Biomarker validationâ€"room air variation during human breath investigations. International Journal for Ion Mobility Spectrometry, 2010, 13, 177-184.	1.4	21
16	JCAMP-DX. A standard format for the exchange of ion mobility spectrometry data (IUPAC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td	1.9	20
17	Increasing conclusiveness of clinical breath analysis by improved baseline correction of multi capillary column â€“ ion mobility spectrometry (MCC-IMS) data. Journal of Pharmaceutical and Biomedical Analysis, 2016, 127, 170-175.	2.8	19
18	Pyrolysis-GC-FTIR for structural elucidation of aquatic humic substances. Fresenius' Journal of Analytical Chemistry, 1994, 350, 528-532.	1.5	17

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19	Breath analysis: translation into clinical practice. Journal of Breath Research, 2015, 9, 027109.	3.0	17
20	New insights into the complex photoluminescence behaviour of titanium white pigments. Dyes and Pigments, 2018, 155, 14-22.	3.7	17
21	Use of headspaceâ€“gas chromatographyâ€“ion mobility spectrometry to detect volatile fingerprintsÂof palm fibre oil and sludge palm oil in samples of crude palm oil. BMC Research Notes, 2019, 12, 229.	1.4	17
22	Acoustic Trap for Simplified Micro-Sample Handling in Laser Spectroscopy. Applied Spectroscopy, 2000, 54, 1831-1836.	2.2	16
23	Concentration-modulated absorptiion spectroscopy.I. Chemical Physics, 1986, 101, 117-125.	1.9	15
24	Non-linear Raman spectroscopy of liquid crystals: Polarization measurements and relaxation processes in 4-cyano-4â€²-heptylbiphenyl (7CB). Journal of Raman Spectroscopy, 1994, 25, 521-529.	2.5	13
25	Concentration-modulated absorption spectroscopy. II. temporal variation of gain. Chemical Physics, 1986, 101, 127-132.	1.9	7
26	Empirical Investigation on the Reproducibility of13C NMR Shift Values. Journal of Chemical Information and Computer Sciences, 1998, 38, 1096-1101.	2.8	7
27	Guidelines for the representation of pulse sequences for solution-state nuclear magnetic resonance spectrometry (IUPAC Recommendations 2001). Pure and Applied Chemistry, 2001, 73, 1749-1764.	1.9	7
28	IUPAC specification for the FAIR management of spectroscopic data in chemistry (IUPAC FAIRSpec)Ââ€“ guiding principles. Pure and Applied Chemistry, 2022, 94, 623-636.	1.9	7
29	A comparison of various pyrolysis experiments for the analysis of reference humic substances. Journal of Analytical and Applied Pyrolysis, 2001, 60, 145-157.	5.5	6
30	Developments in spectroscopic data handling. Analyst, The, 1994, 119, 539.	3.5	5
31	Identification of Dinocap in water using GC/IR and GC/MS. Fresenius' Journal of Analytical Chemistry, 1995, 352, 743-747.	1.5	5
32	FREQUENCY-SELECTIVE NANOSTRUCTURED PLASMONIC ABSORBER BY HIGHLY LOSSY INTERFACE MODE. Progress in Electromagnetics Research, 2012, 124, 511-525.	4.4	4
33	High resolution techniques: general discussion. Faraday Discussions, 2019, 218, 247-267.	3.2	4
34	Chromate ion transport in epoxy films: Influence of BaSO4 particles. Progress in Organic Coatings, 2020, 147, 105739.	3.9	4
35	On-line flash thermodesorptionâ€“GCâ€“MS determination of PCB in sewage sludge. Fresenius' Journal of Analytical Chemistry, 2001, 371, 855-858.	1.5	3
36	Preliminary investigations into the interactions of herbicides with aqueous humic substances. Pest Management Science, 1997, 51, 450-454.	0.4	2

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37	Data mining and visualisation: general discussion. Faraday Discussions, 2019, 218, 354-371.	3.2	2
38	FAIR enough?. Spectroscopy Europe, 0, , 25.	0.0	2
39	NMRium browser-based nuclear magnetic resonance data processing. Spectroscopy Europe, 0, , 21.	0.0	2
40	An overview of the JCAMP-DX format. Pure and Applied Chemistry, 2022, .	1.9	2
41	Chapter 39 Developments in Scientific Data Transfer. Data Handling in Science and Technology, 1990, 6, 445-453.	3.1	1
42	Scientific databases. Analytical Proceedings, 1993, 30, 199.	0.4	1
43	Multidimensional spectroscopic identification of the pesticide dinocap. Journal of Molecular Structure, 1995, 349, 361-364.	3.6	1
44	New software solutions for analytical spectroscopists. Journal of Molecular Structure, 1999, 480-481, 61-67.	3.6	1
45	Dealing with complexity: general discussion. Faraday Discussions, 2019, 218, 138-156.	3.2	1
46	Future challenges and new approaches: general discussion. Faraday Discussions, 2019, 218, 505-523.	3.2	1
47	Influence of TiO2 pigment particles on chromate ion transport in epoxy films. Npj Materials Degradation, 2021, 5, .	5.8	1
48	A national data strategy. Spectroscopy Europe, 0, , 30.	0.0	1
49	Open publishing FAIR spectra for and by students. Spectroscopy Europe, 0, , 22.	0.0	1
50	Infrared spectra for a multi discipline spectroscopy system. Fresenius Zeitschrift FÃ¼r Analytische Chemie, 1989, 335, 884-886.	0.8	0
51	<title>Applications of new spectroscopic data transfer standards</title>. , 1992, 1575, 488.		0
52	All Optical Nanostructed Sensor Based on Metal-Dielectric-Metal Plasmonic Waveguide. , 2012, , .		0
53	Letter to the Editor: origins of volume fraction for better calibrations. Spectroscopy Europe, 0, , 20.	0.0	0
54	FAIR practice. Spectroscopy Europe, 0, , 18.	0.0	0

#	Article	IF	Citations
55	Finding data in todayâ€™s information age: the Bayer COLID system. Spectroscopy Europe, 0, , 80.	0.0	0
56	Guidelines for the use of the Internet by IUPAC bodies. Pure and Applied Chemistry, 1999, 71, 1587-1591.	1.9	0
57	Svante Wold 1941â€“2022. Spectroscopy Europe, 0, , 27.	0.0	0
58	Look back and wonder. Spectroscopy Europe, 0, , .	0.0	0