Alison Nordon

List of Publications by Year
in descending order

50	1,431	279798	345221
papers	citations	23	36
		h-index	g-index

50	50	50	1420
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparison of non-invasive NIR and Raman spectrometries for determination of alcohol content of spirits. Analytica Chimica Acta, 2005, 548, 148-158.	5.4	119
2	Maintaining the predictive abilities of multivariate calibration models by spectral space transformation. Analytica Chimica Acta, 2011, 690, 64-70.	5.4	106
3	Recent trends in multi-block data analysis in chemometrics for multi-source data integration. TrAC - Trends in Analytical Chemistry, 2021, 137, 116206.	11.4	86
4	Process NMR spectrometry. Analyst, The, 2001, 126, 260-272.	3.5	83
5	Enabling precision manufacturing of active pharmaceutical ingredients: workflow for seeded cooling continuous crystallisations. Molecular Systems Design and Engineering, 2018, 3, 518-549.	3.4	66
6	Estimation of particle size distribution and aspect ratio of non-spherical particles from chord length distribution. Chemical Engineering Science, 2015, 123, 629-640.	3.8	49
7	SABRE hyperpolarization enables high-sensitivity ^{1}H and ^{13}C benchtop NMR spectroscopy. Analyst, The, 2018, 143, 3442-3450.	3.5	49
8	Real-time monitoring of powder mixing in a convective blender using non-invasive reflectance NIR spectrometry. Analyst, The, 2008, 133, 58-64.	3.5	47
9	Comparison of in-line NIR, Raman and UV-visible spectrometries, and at-line NMR spectrometry for the monitoring of an esterification reaction. Analyst, The, 2002, 127, 287-292.	3.5	45
10	Effects of particle size and cohesive properties on mixing studied by non-contact NIR. International Journal of Pharmaceutics, 2008, 361, 87-91.	5.2	43
11	Crystallization Diagram for Antisolvent Crystallization of Lactose: Using Design of Experiments To Investigate Continuous Mixing-Induced Supersaturation. Crystal Growth and Design, 2017, 17, 2611-2621.	3.0	43
12	Reaction Monitoring Using SABRE-Hyperpolarized Benchtop (1 T) NMR Spectroscopy. Analytical Chemistry, 2019, 91, 6695-6701.	6.5	39
13	Detection of counterfeit Scotch whisky samples using mid-infrared spectrometry with an attenuated total reflectance probe incorporating polycrystalline silver halide fibres. Analytica Chimica Acta, 2011, 690, 228-233.	5.4	38
14	Systematic prediction error correction: A novel strategy for maintaining the predictive abilities of multivariate calibration models. Analyst, The, 2011, 136, 98-106.	3.5	37
15	MBA-GUI: A chemometric graphical user interface for multi-block data visualisation, regression, classification, variable selection and automated pre-processing. Chemometrics and Intelligent Laboratory Systems, 2020, 205, 104139.	3.5	36
16	Consideration of some sampling problems in the on-line analysis of batch processes by low-field NMR spectrometry. Analyst, The, 2008, 133, 339.	3.5	33
17	Quantification of hyperpolarisation efficiency in SABRE and SABRE-Relay enhanced NMR spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 26362-26371.	2.8	31
18	Non-invasive monitoring of the mixing of pharmaceutical powders by broadband acoustic emission. Analyst, The, 2010, 135, 518.	3.5	29

#	Article	IF	Citations
19	Scale-up of batch kinetic models. Analytica Chimica Acta, 2007, 595, 80-88.	5.4	27
20	In situ monitoring of powder blending by non-invasive Raman spectrometry with wide area illumination. Journal of Pharmaceutical and Biomedical Analysis, 2013, 76, 28-35.	2.8	27
21	Automatic de-noising of close-range hyperspectral images with a wavelength-specific shearlet-based image noise reduction method. Sensors and Actuators B: Chemical, 2019, 281, 1034-1044.	7.8	27
22	In situ monitoring of the seed stage of a fermentation process using non-invasive NIR spectrometry. Analyst, The, 2008, 133, 660.	3.5	26
23	Quantitative Analysis of Low-Field NMR Signals in the Time Domain. Analytical Chemistry, 2001, 73, 4286-4294.	6.5	24
24	Validity of particle size analysis techniques for measurement of the attrition that occurs during vacuum agitated powder drying of needle-shaped particles. Analyst, The, 2012, 137, 118-125.	3.5	24
25	Improved prediction of tablet properties with near-infrared spectroscopy by a fusion of scatter correction techniques. Journal of Pharmaceutical and Biomedical Analysis, 2021, 192, 113684.	2.8	22
26	Monitoring of a heterogeneous reaction by acoustic emission. Analyst, The, 2004, 129, 463.	3.5	21
27	Spray Drying as a Reliable Route to Produce Metastable Carbamazepine Form IV. Journal of Pharmaceutical Sciences, 2017, 106, 1874-1880.	3.3	21
28	Effect of Process Conditions on Particle Size and Shape in Continuous Antisolvent Crystallisation of Lovastatin. Crystals, 2020, 10, 925.	2.2	21
29	Factors affecting broadband acoustic emission measurements of a heterogeneous reaction. Analyst, The, 2006, 131, 323-330.	3.5	18
30	Calibration of Multiplexed Fiber-Optic Spectroscopy. Analytical Chemistry, 2011, 83, 2655-2659.	6.5	18
31	Multivariate data analysis and metabolic profiling of artemisinin and related compounds in high yielding varieties of Artemisia annua field-grown in Madagascar. Journal of Pharmaceutical and Biomedical Analysis, 2016, 117, 522-531.	2.8	18
32	A simple hand-held magnet array for efficient and reproducible <scp>SABRE</scp> hyperpolarisation using manual sample shaking. Magnetic Resonance in Chemistry, 2018, 56, 641-650.	1.9	18
33	Evaluation of Low-Field Nuclear Magnetic Resonance Spectrometry for At-Line Process Analysis. Applied Spectroscopy, 2002, 56, 75-82.	2.2	17
34	Investigation of factors affecting isolation of needle-shaped particles in a vacuum-agitated filter drier through non-invasive measurements by Raman spectrometry. Chemical Engineering Science, 2013, 101, 878-885.	3.8	16
35	Studies of particle drying using non-invasive Raman spectrometry and particle size analysis. Analyst, The, 2011, 136, 2168.	3.5	14
36	Toward Continuous Deracemization via Racemic Crystal Transformation Monitored by in Situ Raman Spectroscopy. Crystal Growth and Design, 2019, 19, 5858-5868.	3.0	12

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37	Quality and comparability of measurement of potentially toxic elements in urban soils by a group of European laboratories. International Journal of Environmental Analytical Chemistry, 2007, 87, 589-601.	3.3	9
38	Calibration model transfer in mid-infrared process analysis with *in situ* attenuated total reflectance immersion probes. Analytical Methods, 2022, 14, 1889-1896.	2.7	9
39	Comparison of Calibration Methods for the Monitoring of a Fluorobenzene Batch Reaction Using Low-Field 19F NMR, 1H NMR, NIR, and Raman Spectrometries. Applied Spectroscopy, 2002, 56, 515-520.	2.2	8
40	Polymer Pellet Fabrication for Accurate THz-TDS Measurements. Applied Sciences (Switzerland), 2022, 12, 3475.	2.5	8
41	In-line monitoring of esterification using a miniaturised mid-infrared spectrometer. Analyst, The, 2003, 128, 1467.	3.5	7
42	Determination of Bubble Size Distribution Using Ultrasound Array Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1424-1437.	3.0	7
43	Monitoring of an esterification reaction by on-line direct liquid sampling mass spectrometry and in-line mid infrared spectrometry with an attenuated total reflectance probe. Analytica Chimica Acta, 2014, 849, 12-18.	5.4	6
44	Quantitative In Situ Monitoring of Parahydrogen Fraction Using Raman Spectroscopy. Applied Spectroscopy, 2018, 73, 000370281879864.	2.2	6
45	Biofluid analysis and classification using IR and 2D-IR spectroscopy. Chemometrics and Intelligent Laboratory Systems, 2021, 217, 104408.	3.5	6
46	System modelling and device development for passive acoustic monitoring of a particulate-liquid process. Sensors and Actuators A: Physical, 2015, 228, 159-169.	4.1	5
47	Detection of paracetamol binding to albumin in blood serum using 2D-IR spectroscopy. Analyst, The, 2022, 147, 3464-3469.	3.5	5
48	Ultrasonic Array Imaging Through Reverberating Layers for Industrial Process Analysis. , 2018, , .		3
49	On-line detection and quantification of trace impurities in vaporisable samples by direct liquid introduction process mass spectrometry. Analytical Methods, 2014, 6, 8148-8153.	2.7	2
50	Enhanced phased array imaging through reverberating interfaces. AIP Conference Proceedings, 2019, , .	0.4	0