

# Alison Nordon

## List of Publications by Year in descending order

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50  
papers

1,431  
citations

279798

23  
h-index

345221

36  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer Pellet Fabrication for Accurate THz-TDS Measurements. Applied Sciences (Switzerland), 2022, 12, 3475.	2.5	8
2	Calibration model transfer in mid-infrared process analysis with <i>in situ</i> attenuated total reflectance immersion probes. Analytical Methods, 2022, 14, 1889-1896.	2.7	9
3	Detection of paracetamol binding to albumin in blood serum using 2D-IR spectroscopy. Analyst, The, 2022, 147, 3464-3469.	3.5	5
4	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
5	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
6	Biofluid analysis and classification using IR and 2D-IR spectroscopy. Chemometrics and Intelligent Laboratory Systems, 2021, 217, 104408.	3.5	6
7	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
8	Effect of Process Conditions on Particle Size and Shape in Continuous Antisolvent Crystallisation of Lovastatin. Crystals, 2020, 10, 925.	2.2	21
9	Determination of Bubble Size Distribution Using Ultrasound Array Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1424-1437.	3.0	7
10	Enhanced phased array imaging through reverberating interfaces. AIP Conference Proceedings, 2019, , .	0.4	0
11	Toward Continuous Deracemization via Racemic Crystal Transformation Monitored by <i>in Situ</i> Raman Spectroscopy. Crystal Growth and Design, 2019, 19, 5858-5868.	3.0	12
12	Reaction Monitoring Using SABRE-Hyperpolarized Benchtop (1 T) NMR Spectroscopy. Analytical Chemistry, 2019, 91, 6695-6701.	6.5	39
13	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
14	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
15	A simple hand-held magnet array for efficient and reproducible <i>SABRE</i> hyperpolarisation using manual sample shaking. Magnetic Resonance in Chemistry, 2018, 56, 641-650.	1.9	18
16	Ultrasonic Array Imaging Through Reverberating Layers for Industrial Process Analysis. , 2018, , .		3
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	Quantitative <i>In Situ</i> Monitoring of Parahydrogen Fraction Using Raman Spectroscopy. Applied Spectroscopy, 2018, 73, 000370281879864.	2.2	6

#	ARTICLE	IF	CITATIONS
19	SABRE hyperpolarization enables high-sensitivity $^1\text{H}$ and $^{13}\text{C}$ benchtop NMR spectroscopy. <i>Analyst, The</i> , 2018, 143, 3442-3450.	3.5	49
20	Crystallization Diagram for Antisolvent Crystallization of Lactose: Using Design of Experiments To Investigate Continuous Mixing-Induced Supersaturation. <i>Crystal Growth and Design</i> , 2017, 17, 2611-2621.	3.0	43
21	Spray Drying as a Reliable Route to Produce Metastable Carbamazepine Form IV. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1874-1880.	3.3	21
22	Multivariate data analysis and metabolic profiling of artemisinin and related compounds in high yielding varieties of <i>Artemisia annua</i> field-grown in Madagascar. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 522-531.	2.8	18
23	System modelling and device development for passive acoustic monitoring of a particulate-liquid process. <i>Sensors and Actuators A: Physical</i> , 2015, 228, 159-169.	4.1	5
24	Estimation of particle size distribution and aspect ratio of non-spherical particles from chord length distribution. <i>Chemical Engineering Science</i> , 2015, 123, 629-640.	3.8	49
25	On-line detection and quantification of trace impurities in vaporisable samples by direct liquid introduction process mass spectrometry. <i>Analytical Methods</i> , 2014, 6, 8148-8153.	2.7	2
26	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. <i>Analytica Chimica Acta</i> , 2014, 849, 12-18.	5.4	6
27	In situ monitoring of powder blending by non-invasive Raman spectrometry with wide area illumination. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 76, 28-35.	2.8	27
28	Investigation of factors affecting isolation of needle-shaped particles in a vacuum-agitated filter drier through non-invasive measurements by Raman spectrometry. <i>Chemical Engineering Science</i> , 2013, 101, 878-885.	3.8	16
29	Validity of particle size analysis techniques for measurement of the attrition that occurs during vacuum agitated powder drying of needle-shaped particles. <i>Analyst, The</i> , 2012, 137, 118-125.	3.5	24
30	Systematic prediction error correction: A novel strategy for maintaining the predictive abilities of multivariate calibration models. <i>Analyst, The</i> , 2011, 136, 98-106.	3.5	37
31	Studies of particle drying using non-invasive Raman spectrometry and particle size analysis. <i>Analyst, The</i> , 2011, 136, 2168.	3.5	14
32	Calibration of Multiplexed Fiber-Optic Spectroscopy. <i>Analytical Chemistry</i> , 2011, 83, 2655-2659.	6.5	18
33	Maintaining the predictive abilities of multivariate calibration models by spectral space transformation. <i>Analytica Chimica Acta</i> , 2011, 690, 64-70.	5.4	106
34	Detection of counterfeit Scotch whisky samples using mid-infrared spectrometry with an attenuated total reflectance probe incorporating polycrystalline silver halide fibres. <i>Analytica Chimica Acta</i> , 2011, 690, 228-233.	5.4	38
35	Non-invasive monitoring of the mixing of pharmaceutical powders by broadband acoustic emission. <i>Analyst, The</i> , 2010, 135, 518.	3.5	29
36	Effects of particle size and cohesive properties on mixing studied by non-contact NIR. <i>International Journal of Pharmaceutics</i> , 2008, 361, 87-91.	5.2	43

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37	In situ monitoring of the seed stage of a fermentation process using non-invasive NIR spectrometry. <i>Analyst, The</i> , 2008, 133, 660.	3.5	26
38	Real-time monitoring of powder mixing in a convective blender using non-invasive reflectance NIR spectrometry. <i>Analyst, The</i> , 2008, 133, 58-64.	3.5	47
39	Consideration of some sampling problems in the on-line analysis of batch processes by low-field NMR spectrometry. <i>Analyst, The</i> , 2008, 133, 339.	3.5	33
40	Quality and comparability of measurement of potentially toxic elements in urban soils by a group of European laboratories. <i>International Journal of Environmental Analytical Chemistry</i> , 2007, 87, 589-601.	3.3	9
41	Scale-up of batch kinetic models. <i>Analytica Chimica Acta</i> , 2007, 595, 80-88.	5.4	27
42	Factors affecting broadband acoustic emission measurements of a heterogeneous reaction. <i>Analyst, The</i> , 2006, 131, 323-330.	3.5	18
43	Comparison of non-invasive NIR and Raman spectrometries for determination of alcohol content of spirits. <i>Analytica Chimica Acta</i> , 2005, 548, 148-158.	5.4	119
44	Monitoring of a heterogeneous reaction by acoustic emission. <i>Analyst, The</i> , 2004, 129, 463.	3.5	21
45	In-line monitoring of esterification using a miniaturised mid-infrared spectrometer. <i>Analyst, The</i> , 2003, 128, 1467.	3.5	7
46	Evaluation of Low-Field Nuclear Magnetic Resonance Spectrometry for At-Line Process Analysis. <i>Applied Spectroscopy</i> , 2002, 56, 75-82.	2.2	17
47	Comparison of Calibration Methods for the Monitoring of a Fluorobenzene Batch Reaction Using Low-Field <sup>19</sup> F NMR, <sup>1</sup> H NMR, NIR, and Raman Spectrometries. <i>Applied Spectroscopy</i> , 2002, 56, 515-520.	2.2	8
48	Comparison of in-line NIR, Raman and UV-visible spectrometries, and at-line NMR spectrometry for the monitoring of an esterification reaction. <i>Analyst, The</i> , 2002, 127, 287-292.	3.5	45
49	Process NMR spectrometry. <i>Analyst, The</i> , 2001, 126, 260-272.	3.5	83
50	Quantitative Analysis of Low-Field NMR Signals in the Time Domain. <i>Analytical Chemistry</i> , 2001, 73, 4286-4294.	6.5	24