# Andrew J Parrott

List of Publications by Year
in descending order



| 16 | 601 | 687363 13 | 888059 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 17 | 17 | 17 | 626 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Calibration model transfer in mid-infrared process analysis within situattenuated total reflectance immersion probes. Analytical Methods, 2022, 14, 1889-1896. | 2.7 | 9 |
| 2 | Lowâ€Field Highâ€Resolution PFGâ€NMR to Predict the Size Distribution of Inner Droplets in Double Emulsions. European Journal of Lipid Science and Technology, 2021, 123, 2000193. | 1.5 | 2 |
| 3 | Biobased Epoxy Thermoset Polymers from Depolymerized Native Hardwood Lignin. ACS Macro Letters, 2020, 9, 1155-1160. | 4.8 | 52 |
| 4 | Reaction Monitoring Using SABRE-Hyperpolarized Benchtop (1 T) NMR Spectroscopy. Analytical Chemistry, 2019, 91, 6695-6701. | 6.5 | 39 |
| 5 | A simple handâ€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 |
| 6 | Quantification of hyperpolarisation efficiency in SABRE and SABRE-Relay enhanced NMR spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 26362-26371. | 2.8 | 31 |
| 7 | Quantitative In Situ Monitoring of Parahydrogen Fraction Using Raman Spectroscopy. Applied Spectroscopy, 2018, 73, 000370281879864. | 2.2 | 6 |
| 8 | SABRE hyperpolarization enables high-sensitivity <sup>1</sup>H and <sup>13</sup>C benchtop NMR spectroscopy. Analyst, The, 2018, 143, 3442-3450. | 3.5 | 49 |
| 9 | Measurement of the vapourâ€“liquid equilibrium of binary and ternary mixtures of CO2, N2 and H2, systems which are of relevance to CCS technology. International Journal of Greenhouse Gas Control, 2015, 41, 68-81. | 4.6 | 28 |
| 10 | New phase equilibrium analyzer for determination of the vapor-liquid equilibrium of carbon dioxide and permanent gas mixtures for carbon capture and storage. Review of Scientific Instruments, 2014, 85, 085110. | 1.3 | 7 |
| 11 | Real-Time Feedback Control Using Online Attenuated Total Reflection Fourier Transform Infrared (ATR) Tj ETQq1 1 0.784314 rgBT /Ov<br>2013, 67, 1127-1131. | 2.2 | 62 |
| 12 | The Effect of Self-Optimisation Targets on the Methylation of Alcohols Using Dimethyl Carbonate in Supercritical CO<sub>2</sub>. Journal of Flow Chemistry, 2012, 2, 24-27. | 1.9 | 41 |
| 13 | Adaptive Process Optimization for Continuous Methylation of Alcohols in Supercritical Carbon Dioxide. Organic Process Research and Development, 2011, 15, 932-938. | 2.7 | 58 |
| 14 | Selfâ€Optimizing Continuous Reactions in Supercritical Carbon Dioxide. Angewandte Chemie - International Edition, 2011, 50, 3788-3792. | 13.8 | 113 |
| 15 | Continuous Acid-Catalyzed Methylations in Supercritical Carbon Dioxide: Comparison of Methanol, Dimethyl Ether and Dimethyl Carbonate as Methylating Agents. Organic Process Research and Development, 2010, 14, 411-416. | 2.7 | 49 |
| 16 | The Continuous Acid-Catalysed Etherification of Aliphatic Alcohols Using Stoichiometric Quantities of Dialkyl Carbonates. Organic Process Research and Development, 2010, 14, 1420-1426. | 2.7 | 21 |