

Andrew J Parrott

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Optimizing Continuous Reactions in Supercritical Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3788-3792.	13.8	113
2	Real-Time Feedback Control Using Online Attenuated Total Reflection Fourier Transform Infrared (ATR) Tj ETQq0 0 0 rgBT /Overlock 10 T 2013, 67, 1127-1131.	2.2	62
3	Adaptive Process Optimization for Continuous Methylation of Alcohols in Supercritical Carbon Dioxide. <i>Organic Process Research and Development</i> , 2011, 15, 932-938.	2.7	58
4	Biobased Epoxy Thermoset Polymers from Depolymerized Native Hardwood Lignin. <i>ACS Macro Letters</i> , 2020, 9, 1155-1160.	4.8	52
5	Continuous Acid-Catalyzed Methylations in Supercritical Carbon Dioxide: Comparison of Methanol, Dimethyl Ether and Dimethyl Carbonate as Methylating Agents. <i>Organic Process Research and Development</i> , 2010, 14, 411-416.	2.7	49
6	SABRE hyperpolarization enables high-sensitivity ¹ H and ¹³ C benchtop NMR spectroscopy. <i>Analyst, The</i> , 2018, 143, 3442-3450.	3.5	49
7	The Effect of Self-Optimisation Targets on the Methylation of Alcohols Using Dimethyl Carbonate in Supercritical CO ₂ . <i>Journal of Flow Chemistry</i> , 2012, 2, 24-27.	1.9	41
8	Reaction Monitoring Using SABRE-Hyperpolarized Benchtop (1 T) NMR Spectroscopy. <i>Analytical Chemistry</i> , 2019, 91, 6695-6701.	6.5	39
9	Quantification of hyperpolarisation efficiency in SABRE and SABRE-Relay enhanced NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26362-26371.	2.8	31
10	Measurement of the vapour-liquid equilibrium of binary and ternary mixtures of CO ₂ , N ₂ and H ₂ , systems which are of relevance to CCS technology. <i>International Journal of Greenhouse Gas Control</i> , 2015, 41, 68-81.	4.6	28
11	The Continuous Acid-Catalysed Etherification of Aliphatic Alcohols Using Stoichiometric Quantities of Dialkyl Carbonates. <i>Organic Process Research and Development</i> , 2010, 14, 1420-1426.	2.7	21
12	A simple hand-held magnet array for efficient and reproducible ¹³ C SABRE hyperpolarisation using manual sample shaking. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 641-650.	1.9	18
13	Calibration model transfer in mid-infrared process analysis with <i>in situ</i> attenuated total reflectance immersion probes. <i>Analytical Methods</i> , 2022, 14, 1889-1896.	2.7	9
14	New phase equilibrium analyzer for determination of the vapor-liquid equilibrium of carbon dioxide and permanent gas mixtures for carbon capture and storage. <i>Review of Scientific Instruments</i> , 2014, 85, 085110.	1.3	7
15	Quantitative In Situ Monitoring of Parahydrogen Fraction Using Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2018, 73, 000370281879864.	2.2	6
16	Low-Field High-Resolution PFG-NMR to Predict the Size Distribution of Inner Droplets in Double Emulsions. <i>European Journal of Lipid Science and Technology</i> , 2021, 123, 2000193.	1.5	2