Alison J Scott

List of Publications by Year
in descending order

		1040056	940533
19 papers	**268** citations	**9** h-index	**16** g-index
19 all docs	**19** docs citations	**19** times ranked	**276** citing authors

#	Article	IF	Citations
1	Evaluation of Polymeric Materials for Chemical Enhanced Oil Recovery. Processes, 2020, 8, 361.	2.8	58
2	Crosslinking nitroxide-mediated radical copolymerization of styrene with divinylbenzene. European Polymer Journal, 2014, 51, 87-111.	5.4	34
3	Computational Package for Copolymerization Reactivity Ratio Estimation: Improved Access to the Error-in-Variables-Model. Processes, 2018, 6, 8.	2.8	20
4	Optimal Design for Reactivity Ratio Estimation: A Comparison of Techniques for AMPS/Acrylamide and AMPS/Acrylic Acid Copolymerizations. Processes, 2015, 3, 749-768.	2.8	19
5	Binary vs. ternary reactivity ratios: Appropriate estimation procedures with terpolymerization data. European Polymer Journal, 2018, 105, 442-450.	5.4	19
6	The role of pH, ionic strength and monomer concentration on the terpolymerization of 2-acrylamido-2-methylpropane sulfonic acid, acrylamide and acrylic acid. Polymer, 2019, 177, 214-230.	3.8	17
7	Branched and Crosslinked Polymers Synthesized through NMRP: Quantitative Indicators for Network Homogeneity?. Macromolecular Reaction Engineering, 2014, 8, 639-657.	1.5	14
8	Effect of Temperature on Environmental Stress Cracking Resistance and Crystal Structure of Polyethylene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2014, 51, 189-202.	2.2	14
9	AMPS/AAm/AAc Terpolymerization: Experimental Verification of the EVM Framework for Ternary Reactivity Ratio Estimation. Processes, 2017, 5, 9.	2.8	14
10	Bayesian Design of Experiments Applied to a Complex Polymerization System: Nitrile Butadiene Rubber Production in a Train of CSTRs. Macromolecular Theory and Simulations, 2015, 24, 13-27.	1.4	9
11	Designing Optimal Terpolymers for Enhanced Oil Recovery (Polymer Flooding). Industrial & Engineering Chemistry Research, 2020, 59, 7426-7437.	3.7	9
12	Detection of Volatile Organic Compounds by Using MEMS Sensors. Sensors, 2022, 22, 4102.	3.8	9
13	Straightforward Synthesis and Evaluation of Polymeric Sensing Materials for Acetone Detection. Macromolecular Reaction Engineering, 2020, 14, 2000004.	1.5	6
14	Design of polymeric materials: Experiences and prescriptions. Canadian Journal of Chemical Engineering, 2021, 99, 5-30.	1.7	6
15	Nitrile Rubber Reactor Operation Troubleshooting with Principal Component Analysis. Journal of Macromolecular Science - Pure and Applied Chemistry, 2013, 50, 803-811.	2.2	5
16	Making the Most of Parameter Estimation: Terpolymerization Troubleshooting Tips. Processes, 2019, 7, 444.	2.8	5
17	Dâ€Optimality in Modelâ€Based Experimental Designs: Applications in NMRP of Styrene. Macromolecular Reaction Engineering, 2015, 9, 205-227.	1.5	4
18	Terpolymerization of Triisopropylsilyl Acrylate, Methyl Methacrylate, and Butyl Acrylate: Reactivity Ratio Estimation. Macromolecular Reaction Engineering, 2019, 13, 1900014.	1.5	3

#	ARTICLE	IF	CITATIONS
19	Evaluation of doped and undoped poly (*o*-anisidine) as sensing materials for a sensor array for volatile organic compounds. Polymers for Advanced Technologies, 2020, 31, 1474-1483.	3.2	3