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Brooks Abel is an Assistant Professor in the Department of Chemistry at the University of California, Berkeley and staff scientist in the Materials Science Division at LBL. He received a B. S. in Polymer Science and a Ph.D. in Polymer Science and Engineering (NSF Graduate Fellowship) from the University of Southern Mississippi. His Ph.D. work under the advisement of Prof. Charles McCormick focused on synthesizing stimuli-responsive water-soluble polymers using controlled radical polymerizations for applications such as drug delivery and oil/water remediation. Following his graduate studies, he worked as a postdoctoral researcher with Prof. Geoffrey Coates at Cornell University (2017-2021) where he developed bifunctional Lewis acid catalysts for the alternating ring-opening copolymerization of epoxides and cyclic anhydrides to synthesize well-defined polyesters. While at Cornell, he also developed new methods for living cationic ring-opening polymerization of cyclic acetals, enabling the synthesis of ultra-high molecular weight polyacetal thermoplastics with capable of near-quantitative chemical recycling back to monomer. His independent research interests lie in the areas of sustainable polymer organic chemistry, main group polymerization catalysis, and ionic ring-opening polymerizations.