

세미나 초록

성명	김정곤
소속	전북대학교 화학과
발표 주제	Mechanochemical Polymer Synthesis: JBNU's Understanding and Contributions
발표 내용	<p>Mechanochemical polymer synthesis is an emerging area, broadening the realm of polymer science. Our research group has been involved in ball-milling polymer synthesis since 2016. We witness that many solution-based polymerizations can be transferred to solvent-free solid-state conditions, promoting green chemistry. Also, the impossible combinations in the solution are possible in mechanochemical conditions. In addition, we recently discovered the simplest depolymerization system of polyesters and polycarbonates using mechanochemistry. The case-by-case presentation will explain why mechanochemical polymer synthesis is an attractive field.</p>