Record Nr. UNINA9910585935003321 Autore Bulushev Dmitri A Titolo Catalytic Hydrogen Generation and Use for Production of Fuels Pubbl/distr/stampa Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022 Descrizione fisica 1 electronic resource (94 p.) Soggetti Technology: general issues Chemical engineering Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Sommario/riassunto This book focuses on catalytic hydrogen generation from formic acid, ammonia borane, and ethanol as well as on the production of fuels from tar using formic acid as a hydrogen source. The list of discussed catalysts includes single-atom catalysts, metallic/bimetallic catalysts, and supported metal complexes. These catalysts were thoroughly characterized using different methods. Optimized catalyst

compositions are proposed.