1. Record Nr. UNINA9910346947903321 Valadez Sánchez Elvia Patricia Autore Thin film MOFs (SURMOFs) for application in gas separation Titolo Pubbl/distr/stampa KIT Scientific Publishing, 2019 1000088874 **ISBN** Descrizione fisica 1 online resource (XIV, 153 p. p.) Biology, life sciences Soggetti Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Sommario/riassunto In this work, the deposition of ZIF-8 surface-anchored metal-organic framework (SURMOF) films was systematically studied. A proper characterization and optimization of the synthesized films was performed and their separation performance was determined. Furthermore, a general description of the system was achieved using

the Maxwell-Stefan surface diffusion model.