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Nota di contenuto	Carbon capture in metal-organic frameworks / Mehrdad Asgari and Wendy L. Queen -- Metal organic frameworks materials for post-combustion CO <sub>2</sub> capture / Anne M. Marti -- New progress of microporous metal-organic frameworks in CO <sub>2</sub> capture and separation / Zhangjing Zhang, Jin Tao, Shengchang Xiang, Banglin Chen, and Wei Zhou -- In situ diffraction studies of selected metal-organic framework (MOF) materials for guest capture/exchange applications / Winnie Wong-Ng -- Electrochemical CO <sub>2</sub> capture and conversion / Peng Zhang, Jingjing Tong, and Kevin Huang -- Electrochemical valorization of carbon dioxide in molten salts / Huayi Yin and Dihua Wang -- Microstructural and structural characterization of materials for CO <sub>2</sub> storage using multi-scale x-ray scattering methods / Greeshma Gadikota and Andrew Allen -- Contribution of density functional theory to microporous materials for carbon capture / Eric Cockayne -- Computational modeling study of MnO <sub>2</sub> octahedral molecular sieves for carbon dioxide capture applications / I. Williamson, M. Lawson, E. B. Nelson, and L. Li.

