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Sommario/riassunto

Written by leading experts in the field, this practical reference handbook offers an up-to-date, critical survey of the chemical vapor deposition (CVD) of nonmetals, a key technology in semiconductor electronics, finishing, and corrosion protection.The basics necessary for any CVD process are discussed in the introduction. In the following chapters, precursor requirements, with an emphasis on materials chemistry, common structures of reactants and substrates, as well as reaction control are discussed for a broad range of compositions including superconducting, conducting, semiconductin