

1. Record Nr.	UNINA9910639989503321
Autore	Liu Dong
Titolo	Preparation of Nanomaterial Modified Electrode and Its Sensing Application
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
ISBN	3-0365-5972-8
Descrizione fisica	1 electronic resource (224 p.)
Soggetti	Research & information: general Physics Research and information: general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book focuses on nanomaterials and strategies to fabricate the electrode for electrochemistry-based sensors. Excellent nanomaterials are essential for high-performance electrochemical sensors, while strategies for controllable assembly of nanomaterials on the electrode and the fabrication of sensing devices can be also important. This book covers the preparation of nanomaterials (magnesium phyllosilicate, metal-organic frameworks (MOF), and covalent-organic frameworks (COF), the fabrication of electrodes with unique several attracting properties (e.g., transparency) using carbon nanomaterials or novel nanotechnologies, and applications of electrochemical sensors.