

1. Record Nr.	UNINA9910672443703321
Titolo	COVID-19 Metabolomics and Diagnosis : Chemical Science for Prevention and Understanding Outbreaks of Infectious Diseases // Frank N. Crespilho, editor
Pubbl/distr/stampa	Cham, Switzerland : , : Springer Nature Switzerland AG, , [2023] ©2023
ISBN	9783031158896 9783031158889
Edizione	[First edition.]
Descrizione fisica	1 online resource (194 pages)
Disciplina	614.592414
Soggetti	COVID-19 (Disease) Metabolites
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1. Trends in Electroanalytical Assays for Covid 19 diagnosis -- Chapter 2. Microfluidic devices with electrochemical detection towards covid-19 detection -- Chapter 3. Carbon-based materials for electrochemical sensing of SARS-CoV-2 -- Chapter 4. Electrochemical Immunosensor for diagnosis of COVID-19 -- Chapter 5. Optical Fibers Sensors for Detection of SARS-CoV-2 Infection -- Chapter 6. Lateral flow assays for COVID-19 -- Chapter 7. The use of NMR based metabolomics to discriminate patients with viral diseases -- Chapter 8. Application of quality statistical tools for the evaluation of diagnostic tests for SARS-CoV-2 detection.
Sommario/riassunto	This book focus on COVID-19 topics, with emphasis on metabolomics and diagnosis. The chapters cover the chemical science for prevention and understanding outbreaks of infectious diseases. This book compiles the most widespread methodologies of application of quality statistical tools added to the evaluation of diagnostic tests for detection of SARS-CoV-2, metabolic behavior of COVID infection severity, and trends in rapid test for COVID-19.