

1. Record Nr.	UNINA9910728382303321
Autore	Crespilho Frank N
Titolo	Covid-19 Metabolomics and Diagnosis : Volume 2 // edited by Frank N. Crespilho
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	9783031279225 9783031279218
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (159 pages)
Disciplina	614.5924144
Soggetti	Chemistry Biochemistry Medicine Clinical Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Fourier-Transform Infrared Spectroscopy and Spectromicroscopy Applied to Covid-19 Studies -- Point-of-Care Devices with Electrochemical Detection For Covid-19 Diagnosis -- Carbon Nanomaterials for Covid-19 Electrochemical Sensors -- Use of Metallic Nanostructures In Electrochemical Biosensing of Sars-Cov-2 -- 3d Printing For Virus Diagnosis -- Post-Covid-19 Metabolomics: Pursuing the Sequels af a Pandemic -- Metabolic Behavior of Covid-19 Infection Severity -- "Pandemics-On-A-Chip": Organ-On-A-Chip Models for Studying Viral Infections.
Sommario/riassunto	This book presents a collection of chapters on Covid-19 topics, with focus on the metabolomics and diagnosis. The chapters report on diagnostic tests for detection of SARC-CoV-2 virus and related proteins as well as post-Covid omics. This book covers Fourier-Transform Infrared spectroscopy and spectromicroscopy applied to Covid-19 studies and Carbon Nanomaterials as Covid-19 Electrochemical sensors. Moreover, the reader will find content on 3D printing for virus diagnosis, as well as organ-on-a-chip models for viral infection proteomics interaction.

