1.	Record Nr.	UNINA9910993944603321
	Autore	Jaafar Mariatti
	Titolo	Nanomaterials Based Printed Strain Sensor for Wearable Health Monitoring Applications / / by Mariatti Jaafar, Ye Zar Ni Htwe
	Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
	ISBN	9789819957804 981995780X
	Edizione	[1st ed. 2023.]
	Descrizione fisica	1 online resource (VIII, 73 p. 35 illus., 34 illus. in color.)
	Collana	SpringerBriefs in Materials, , 2192-1105
	Disciplina	620.19
	Soggetti	Materials Detectors Chemical detectors Sensors and biosensors Materials Engineering Sensors
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references.
	Nota di contenuto	1. Printed Strain Sensor -- 2. Carbon conductive ink-based Printed Strain Sensor -- 3. Metal conductive ink -based Printed Strain Sensor -- 4. Composites and Hybrid conductive ink-based Printer Strain Sensor -- 5. Performance evaluation of Printed Strain Sensor.
	Sommario/riassunto	This book reviews different types of nanomaterials-based-conductive inks used to develop printed strain sensors, printing fabrication methods, and applications such as wearable health monitoring. Printed wearable electronic devices have recently drawn a lot of attention, as shown by the increasing number of publications and commercialized devices covering various facets in emerging fields. Many researchers are working toward optimizing nanoparticle-based-conductive inks for wearable electronics. However, issues related to its stability, dispersion, and annealing temperature often limit its applications. General important information and requirements of flexible electronics for health monitoring are covered in the book chapter. The target audiences are researchers and students who are involved in the development of printed wearable electronics.

2.	Record Nr.	UNINA9910970771703321
	Titolo	Reducing risks for mental disorders : frontiers for preventive intervention research / / Committee on Prevention of Mental Disorders, Division of Biobehavorial Sciences and Mental Disorders, Institute of Medicine ; Patricia J. Mrazek and Robert J. Haggerty, editors
	Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1994
	ISBN	9786610195923
		9781280195921
		1280195924
		9780309568661
		0309568668
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (635 p.)
	Altri autori (Persone)	MrazekPatricia Beezley
		HaggertyRobert J
	Disciplina	362.2/0425/0973
	Soggetti	Mental illness - Prevention - Research - Government policy - United States
		Mental health promotion - Research - Government policy - United States
		Mental illness - United States - Prevention
		Mental health promotion - United States
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Prepared at the request of the U.S. Congress.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	REDUCING RISKS FOR Mental Disorders; Copyright; Preface; Acknowledgments; Abstract; BUILDING THE INFRASTRUCTURE; EXPANDING THE KNOWLEDGE BASE; CONDUCTING WELL-EVALUATED INTERVENTIONS; Contents; OVERVIEW; 1 Introduction; A NEW EMPHASIS ON PREVENTION: OPPORTUNITIES AND STRENGTHS; OBSTACLES TO PROGRESS; LOOKING FORWARD; ORGANIZATION OF THIS REPORT; REFERENCES; 2 New Directions in Definitions; CLASSIFYING PREVENTIVE INTERVENTIONS FOR PHYSICAL ILLNESS; CLASSIFYING INTERVENTIONS FOR MENTAL DISORDERS; The Mental Health Intervention Spectrum for Mental Disorders
		Preventive Interventions for Mental DisordersMENTAL HEALTH

Sommario/riassunto	The understanding of how to reduce risk factors for mental disorders has expanded remarkably as a result of recent scientific advances. This study, mandated by Congress, reviews those advances in the context of current research and provides a targeted definition of prevention and a conceptual framework that emphasizes risk reduction. Highlighting opportunities for and barriers to interventions, the book draws on successful models for the prevention of cardiovascular disease, injuries, and smoking. In addition, it reviews the risk factors associated with Alzheimer's disease, schizophrenia, alcohol abuse and dependence, depressive disorders, and conduct disorders and evaluates current illustrative prevention programs. The models and examination provide a framework for the design, application, and evaluation of interventions intended to prevent mental disorders and the transfer of knowledge about prevention from research to clinical practice. The book presents a focused research agenda, with recommendations on how to develop effective intervention programs, create a cadre of prevention researchers, and improve coordination among federal agencies.