

1. Record Nr.	UNINA9910141502503321
Autore	Vanbesien Olivier
Titolo	Artificial materials [[electronic resource] /] / Olivier Vanbesien
Pubbl/distr/stampa	London, : ISTE Hoboken, N.J., : Wiley, 2012
ISBN	1-118-56272-0 1-299-18842-7 1-118-56298-4 1-118-56332-8
Descrizione fisica	1 online resource (364 p.)
Collana	ISTE
Disciplina	620.1
Soggetti	Materials Synthetic products
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. A few fundamental concepts -- pt. 2. Materials used in a band gap regime -- pt. 3. Materials in an abnormal refraction regime ( $n < 1$ and $n < 0$ ) -- pt. 4. Moving toward applications.
Sommario/riassunto	This book addresses artificial materials including photonic crystals (PC) and metamaterials (MM). The first part is devoted to design concepts: negative permeability and permittivity for negative refraction, periodic structures, transformation optics. The second part concerns PC and MM in stop band regime: from cavities, guides to high impedance surfaces. Abnormal refraction, less than one and negative, in PC and MM are studied in a third part, addressing super-focusing and cloaking. Applications for telecommunications, lasers and imaging systems are also explored.

2. Record Nr.	UNINA9910619469903321
Autore	Kang Nyeonju
Titolo	New Trends in Neuromechanics and Motor Rehabilitation
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2022
ISBN	3-0365-5178-6
Descrizione fisica	1 online resource (128 p.)
Soggetti	Public health and preventive medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Neuromechanics has been used to identify optimal rehabilitation protocols that successfully improve motor deficits in various populations, such as elderly people and individuals with neurological diseases (e.g., stroke, Parkinson's disease, and essential tremor). By investigating structural and functional changes in the central and peripheral nervous systems based on neuromechanical theories and findings, we can expand our knowledge regarding underlying neurophysiological mechanisms and specific motor impairment patterns before and after therapies to further develop new training programs (e.g., non-invasive brain stimulation). Thus, the aim of this Special Issue is to present the main contributions of researchers and rehabilitation specialists in biomechanics, motor control, neurophysiology, neuroscience, and rehabilitation science. The current collection provides new neuromechanical approaches addressing theoretical, methodological, and practical topics for facilitating motor recovery progress.</p>

3. Record Nr.	UNICAMPANIAVAN00279536
Autore	Beals, Richard W.
Titolo	More Explorations in Complex Functions / Richard Beals, Roderick S. C. Wong
Pubbl/distr/stampa	Cham, : Springer, 2023
Descrizione fisica	xii, 403 p. : ill. ; 24 cm
Altri autori (Persone)	Wong, Roderick S. C.
Soggetti	30-XX - Functions of a complex variable [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia