

1. Record Nr.	UNINA9910647204103321
Titolo	Covalent Organic Frameworks // edited by Yanan Gao and Fei Lu
Pubbl/distr/stampa	London : , : IntechOpen, , 2023 ©2023
Descrizione fisica	1 online resource (ix, 122 pages) : illustrations
Disciplina	547.7
Soggetti	Porous materials Nanostructured materials Crystalline polymers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Preface -- Chapter 1 Interfacial Synthesis of 2D COF Thin Films by Tao Zhang and Yuxiang Zhao -- Chapter 2 Covalent Organic Frameworks for Ion Conduction by Fei Lu and Yanan Gao -- Chapter 3 Photoredox Catalysis by Covalent Organic Frameworks by Shuai Bi -- Chapter 4 Photocatalysis of Covalent Organic Frameworks by Hui Liu and Yingjie Zhao -- Chapter 5 Applications of Covalent Organic Frameworks (COFs) in Oncotherapy by Guiyang Zhang.
Sommario/riassunto	In recent decades, artificial porous structures have attracted increasing enthusiasm from researchers inspired by the fascinating molecular pores in nature and their unique biological functions. Although substantial achievements in porous materials have been realized, the construction of topologically designed pores is still challenging. Recently, the emergence of covalent organic frameworks (COFs), which are constructed based on organic and polymer chemistry, has made it possible to design artificial pores with controlled pore size, topology and interface properties. COFs are crystalline porous materials constructed by the precise reticulation of organic building blocks via dynamic covalent bonds. Distinct from non-covalent interactions which tend to produce isostructures, covalent bonds enable accurate pore design owing to their predetermined reaction pathways. In addition, the appropriate polycondensation of organic building units enables the

formation of extended two-dimensional (2D) and three-dimensional (3D) polymer architectures with periodically ordered skeletons and well-defined pores. With their large surface area, tailorable structures, and tunable chemistry, COFs are regarded as potentially superior candidates for various applications including catalysis, energy storage and conversion, mass transport and biotechnology. This book examines the historic achievement of COFs, providing clear and comprehensive guidance for researchers on their structural design, synthetic protocols and functional exploration.

2. Record Nr.	UNISA996386827003316
Autore	Ness Christopher <1621-1705.>
Titolo	A compleat history and mystery of the Old and New Testament . The first volume [[electronic resource]] : logically discuss'd and theologically improved in three distinct volumes, the first beginning at the creation of the world and ending at Moses, the second continuing the history from Joshuah till the birth of Christ, third from the birth of Christ to the death of the last and longest living apostle, John the Divine : the like undertaking (in such a manner and method) being never attempted before / / by Christopher Ness .
Pubbl/distr/stampa	London, : Printed by T. Snowdon for the author and are to be sold by Tho. Parkhurst ..., 1690
Descrizione fisica	[8], 468 p
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Reproduction of original in the Union Theological Seminary Library, New York.
Sommario/riassunto	eebo-0160
