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Autore	Bedia Jorge
Titolo	MOFs for Advanced Applications
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
Descrizione fisica	1 online resource (294 p.)
Soggetti	History of engineering and technology Materials science Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Metal organic frameworks (MOFs) are a class of porous materials with a modular structure. This allows for very wide structural diversity and the possibility of synthesizing materials with tailored properties for advanced applications. Thus, MOF materials are the subject of intense research, with strong relevance to both science and technology. MOFs are formed by the assembly of two components: cluster or metal ion nodes, which are also called secondary building units (SBUs), and organic linkers between the SBUs, usually giving rise to crystalline structures with an open framework and significant porous texture development. The main aim of this Special Issue of Catalysts (ISSN 2073-4344) is to present the most relevant and recent insights in the field of the synthesis and characterization of MOFs and MOF-based materials for advanced applications, including adsorption, gas storage/capture, drug delivery, catalysis, photocatalysis, and/or chemical sensing.

2. Record Nr.	UNINA9910557236803321
Autore	Beyer Thomas
Titolo	Frontiers in Physics - 2017 & 2018 Editor's choice
Pubbl/distr/stampa	Frontiers Media SA, 2019
Descrizione fisica	1 online resource (190 p.)
Soggetti	Physics Science: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: <a href="https://frontiersin.org/about/contact">frontiersin.org/about/contact</a>