

1. Record Nr.	UNINA9910557232003321
Autore	Xiong Wei
Titolo	Fluxomics and Metabolic Analysis in Systems Microbiology
Pubbl/distr/stampa	Frontiers Media SA, 2019
Descrizione fisica	1 electronic resource (135 p.)
Soggetti	Science: general issues Medical microbiology & virology Microbiology (non-medical)
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: frontiersin.org/about/contact

2. Record Nr.	UNINA9910826317703321
Autore	Shinohara Hisanori
Titolo	Endohedral metallofullerenes : fullereness with metal inside // Hisanori Shinohara, Nikos Tagmatarchis
Pubbl/distr/stampa	Chichester, England : , : Wiley, , 2015 ©2015
ISBN	1-118-69800-2 1-118-69801-0 1-118-69792-8
Descrizione fisica	1 online resource (602 p.)
Disciplina	546.681
Soggetti	Fullerenes
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 at the end of each chapters and index.
Nota di contenuto	Synthesis, extraction and purification -- Molecular and crystal structures -- Electronic states and structures -- Carbide and nitride metallofullerenes -- Non-IPR metallofullerenes -- Other type of metallofullerenes -- Non-metal endohedral fullerenes -- Scanning tunneling miscroscopy (STM) studies on metallofullerenes -- Magnetic properties of metallofullerenes -- Organic chemistry of metallofullerenes -- Applications with metallofullerenes -- Growth mechanism -- M@C60 : a big mystery and a big challenge.
Sommario/riassunto	Endohedral Metallofullerenes: Fullerenes with Metal Inside presents a comprehensive survey of the current state of knowledge on endohedral metallofullerenes, from preparation to functionalization, reactivity and applications. Following a brief historical overview, the book describes methods for synthesis, extraction, separation and purification, and provides an insight into the molecular and crystal structures. Subsequent chapters discuss various categories of endohedral metallofullerenes based on the encapsulated species, including carbides, nitrides, sulphides, oxides, non-metal and non-IPR