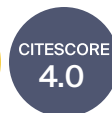




inorganics



Special Issue Reprint

Functional Coordination Polymers and Metal–Organic Frameworks

www.mdpi.com/books/reprint/3966

Edited by
Andrea Rossin

ISBN 978-3-0365-1500-7 (Hardback)

ISBN 978-3-0365-1499-4 (PDF)



This book is a collection of contributions on the synthesis, characterization, and applications of Metal–Organic Frameworks (MOF) and Coordination Polymers (CP). Coordination Polymers (CP) and Metal–Organic Frameworks (MOF) are at the core of contemporary research on inorganic materials. The virtually infinite combination of their building blocks— inorganic metallic nodes (single ions or clusters) and organic polytopic linkers (polycarboxylates, bridging N-/S-/O-containing heterocycles)—generates solid air- and water-stable compounds. Interesting features from an applicative point of view are porosity, large surface area, and lattice flexibility (the “breathing” effect). These properties make them ubiquitous in several fields of materials science: gas storage and separation, luminescent sensing, heterogeneous catalysis, and magnetism.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/3966

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.