





Special Issue Reprint

The Polyhedral Face of Coordination Chemistry

www.mdpi.com/books/reprint/9326

Edited by Antonio Bianchi Matteo Savastano

ISBN 978-3-7258-1275-2 (Hardback) ISBN 978-3-7258-1276-9 (PDF)



This Special Issue intends to celebrate the multifaceted aspects of coordination chemistry by showcasing original work that demonstrates the liveliness and colourful nature of different branches of this discipline. The development of coordination chemistry as we know it owes much to crystallography, with solid-state structural evidence playing a fundamental role in the definition and understanding of coordination compounds. Still, the very concept of coordination chemistry has expanded beyond the classical metal–ligand complexes: today, it encompasses supramolecular and bioinorganic compounds, metal–organic frameworks, and even organometallic species. The common thread to this apparently diverse range of topics lies in the "unique structural relationship", as addressed by Donald Cram, that keeps a complex together, applying to both traditional coordination compounds as well as to host–guest systems. Solid state remains the chief technique for elucidating the interplay of interactions involved in a complex species and the precise spatial relationships among its constituents. Yet, the application of such knowledge and, thus, of broadly interpreted coordination chemistry, easily extends to catalysis, recognition and sensing in solution, metals in medicine, crystal engineering, material and reticular chemistry, and much more.





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.

MDPI AG Grosspeteranlage 5 4052 Basel Switzerland Tel: +41 61 683 77 34 www.mdpi.com/books books@mdpi.com

