



applied sciences



Special Issue Reprint

Synthesis, Characterization and Application of Hybrid Composites

www.mdpi.com/books/reprint/2995

Edited by
Ignazio Blanco

ISBN 978-3-03943-062-8 (Hardback)
ISBN 978-3-03943-063-5 (PDF)



Polymer composites represent the platform materials of the XXI century and are an important slice of the market in the production of modern plastics. Their design is based on adding a second component to the polymer matrix to enhance its properties. Among the various possible composites, organic–inorganic hybrid materials offer advantageous performance relative to either of the non-hybrid counterparts. The dramatic improvement of physical properties, compared with pure materials, in which inorganic particles or nanoparticles are inserted into an organic polymeric matrix, could bridge the gap between ceramics and polymers. We are interested in articles that explore polymer-based hybrid systems. The Special Issue topics include the synthesis and characterization of polymeric hybrid materials—hybrid composites in electronics and energy applications; hybrid composites in space applications; the biomedical application of hybrid polymeric materials.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/2995

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.