

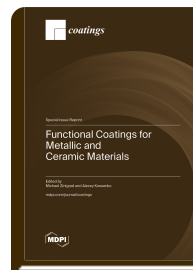
Special Issue Reprint

Functional Coatings for Metallic and Ceramic Materials

www.mdpi.com/books/reprint/11664

Edited by
Michael Zinigrad
Alexey Kossenko

ISBN 978-3-7258-5227-7 (Hardback)
ISBN 978-3-7258-5228-4 (PDF)



Coatings are used today in many areas of human activity. It was traditionally believed that their main applications were only protecting against corrosion and giving decorative properties to various materials, but recently, the functions of coatings have expanded significantly.

These are, for example, antireflective coatings for glasses or radars, thin films on the surface of parts of fuel and solar cells, antibacterial applications, and many other multi-functional coatings.

This reprint contains research papers united by the general concept of functional coatings. A wide range of technologies were used to obtain the coatings, such as plasma electrolytic oxidation, electrodeposition, metallic suspension inject printing, metal inert gas arc welding, laser-oriented deposition, etc., as well as very different analytical methods for studying the results obtained.

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.