

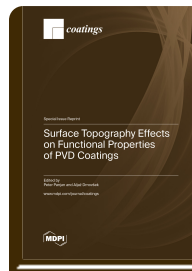
*Special Issue Reprint*

## **Surface Topography Effects on Functional Properties of PVD Coatings**

[www.mdpi.com/books/reprint/7817](http://www.mdpi.com/books/reprint/7817)

Edited by  
Peter Panjan  
Aljaž Drnovšek

ISBN 978-3-0365-8620-5 (Hardback)  
ISBN 978-3-0365-8621-2 (PDF)



This reprint provides a comprehensive overview of the surface topography of PVD coatings and their role in different tribological contacts. The authors show how the coating topography depends on the topography of the substrate's surface, the intrinsic coating morphology, and the growth defects formed during the deposition process. The authors also explain in more detail about how growth defects affect the functional properties of the PVD coatings (e.g. friction, wear, corrosion and oxidation resistance, permeation, wettability). The authors mainly focus on the growth defects in PVD hard coatings for the protection of tools and components, although they also touch on other areas of growth defect studies, particularly in relation to optics and microelectronics.

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.