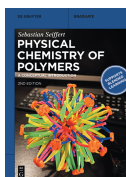


Andrzej Marek Żak

Transmission Electron Microscopy

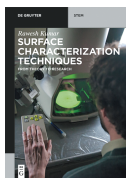
Also of interest



Physical Chemistry of Polymers.
A Conceptual Introduction
2nd Edition

Sebastian Seiffert, 2023

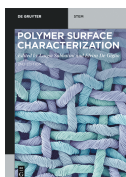
ISBN 978-3-11-071327-5, e-ISBN (PDF) 978-3-11-071326-8,
e-ISBN (EPUB) 978-3-11-071339-8



Surface Characterization Techniques.
From Theory to Research

Rawesh Kumar, 2022

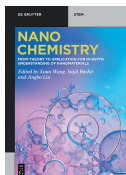
ISBN 978-3-11-065599-5, e-ISBN (PDF) 978-3-11-065648-0,
e-ISBN (EPUB) 978-3-11-065658-9



Polymer Surface Characterization.
2nd Edition

Luigia Sabbatini, Elvira De Giglio (Eds.), 2022

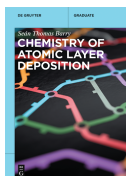
ISBN 978-3-11-070104-3, e-ISBN (PDF) 978-3-11-070109-8,
e-ISBN (EPUB) 978-3-11-070114-2



Nanochemistry.
From Theory to Application for In-Depth Understanding of Nanomaterials

Xuan Wang, Sajid Bashir, Jingbo Liu (Eds.), 2022

ISBN 978-3-11-073985-5, e-ISBN (PDF) 978-3-11-073987-9,
e-ISBN (EPUB) 978-3-11-073999-2



Chemistry of Atomic Layer Deposition

Seán Thomas Barry, 2021

ISBN 978-3-11-071251-3, e-ISBN (PDF) 978-3-11-071253-7,
e-ISBN (EPUB) 978-3-11-071259-9

Andrzej Marek Żak

Transmission Electron Microscopy

A Practical Guide to Using a Microscope

DE GRUYTER

Author

Professor Andrzej Marek Żak
Wrocław University of Science and Technology (WUST)
50-370 Wrocław
Poland
andrzej.zak@pwr.edu.pl

ISBN 978-3-11-131649-9

e-ISBN (PDF) 978-3-11-131701-4

e-ISBN (EPUB) 978-3-11-131715-1

Library of Congress Control Number: 2024940934

Bibliographic information published by the Deutsche Nationalbibliothek

The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie;
detailed bibliographic data are available on the Internet at <http://dnb.dnb.de>.

© 2025 Walter de Gruyter GmbH, Berlin/Boston

Cover image: avid_creative/iStock/Getty Images Plus

Typesetting: Integra Software Services Pvt. Ltd.

Printing and binding: CPI books GmbH, Leck

www.degruyter.com

The book would not have been possible without the support of many people, I would like to mention at least a few of them.

Thank you:

my wife Anna and son Kazimierz, for love and understanding;

my colleagues: Dominika Benkowska-Biernacka, Olga Kaczmarczyk, and Aleksandra Królicka, for the review and valuable comments;

many fantastic colleagues that I have met along the way, for our joint journey into the world of micro and nano pieces of the matter.

