



*minerals*



*Special Issue Reprint*

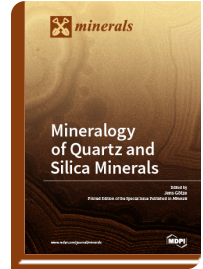
## **Mineralogy of Quartz and Silica Minerals**

[www.mdpi.com/books/reprint/871](http://www.mdpi.com/books/reprint/871)

Edited by  
Jens Götze

ISBN 978-3-03897-348-5 (Softback)

ISBN 978-3-03897-349-2 (PDF)



The present book reports recent contributions from research in the field of quartz and other silica minerals. The various forms of silica ( $\text{SiO}_2$ ) represent important constituents of the Earth crust and play a central role in the composition of geological materials. In particular, quartz is widely used as a raw material in numerous industrial sectors. The knowledge of the formation and specific properties of  $\text{SiO}_2$  rocks and minerals is indispensable for the understanding and reconstruction of geological processes, as well as for specific technical applications.

The works presented in this book are contributed by leading scientists and deal with aspects of the formation and processing of  $\text{SiO}_2$  raw materials, the analysis of high-purity quartz, and the specifics and varieties (e.g., quartz, amethyst, opal, agate) of  $\text{SiO}_2$  modifications. The presentations cover the main interrelations between theoretical, analytical, and industrial studies and provide information concerning recent developments in the research on  $\text{SiO}_2$  materials.



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/871](http://www.mdpi.com/books/reprint/871)

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.