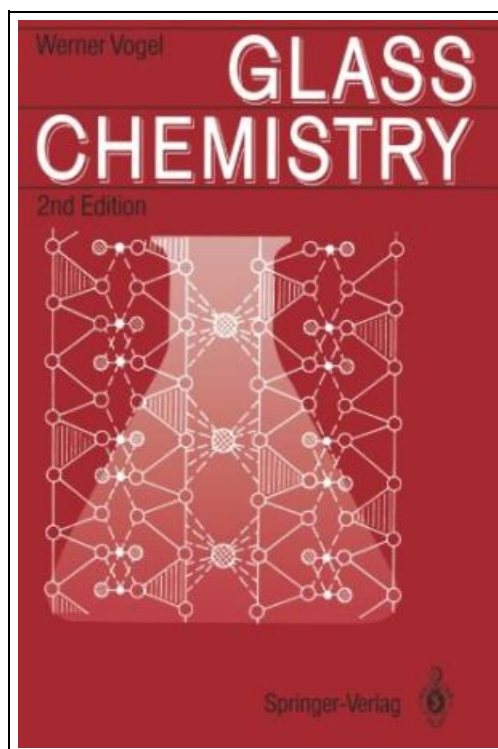


Glass Chemistry



Filesize: 1.96 MB

Reviews

An exceptional ebook and also the typeface applied was intriguing to read through. I have got read and i also am sure that i am going to likely to go through yet again once more in the foreseeable future. I discovered this pdf from my dad and i advised this ebook to find out.
(Dr. Raven Ledner)

GLASS CHEMISTRY

[DOWNLOAD](#)

Condition: New. Publisher/Verlag: Springer, Berlin | Glass Chemistry is concerned with the relation of chemical composition, structure and properties of various glasses. The book has been translated from the third German edition, which serves as a textbook for university students in materials sciences and a reference book for scientists and engineers in glass science and production. The central themes of the book are the chemistry and physics of glass. Detailed knowledge of the compositional and structural facts is the basis for the systematic development of new glasses as construction and optical materials. Glass Chemistry is an interdisciplinary book on the borderlines between chemistry, physics, mineralogy and even biology and medicine. The book represents a well balanced treatment for students, scientists and engineers. | 1 Historical Development of Glass Chemistry.- 1.1 The Beginnings of Glass Research.- 1.2 History of the Chemistry of Optical Glass.- 1.2.1 Ernst Abbe and Otto Schott.- 1.2.2 Carl Zeiss and the Zeiss Foundation.- 1.2.3 The Development of New Optical Glasses after 1939.- 1.3 History of Technical Glass.- 2 Freezing of a Melt to a Vitreous Solid.- 2.1 Fusion and Crystallization. General.- 2.2 Significant Differences Between Crystalline and Non-crystalline (Glassy) Solids.- 2.3 Standard Viscosity Temperatures for Solidification of Glasses.- 2.4 Annealing of Optical Glass.- 3 Structural Elements of Silicates.- 3.1 The SiO₄ Tetrahedron as the Basic Building Block of Silicates.- 3.2 Building Units of Natural Crystalline Silicates.- 4 Classical Theories of Glass Structure.- 4.1 Glass Structure According to Tammann (since 1903).- 4.2 Glass Formation According to Goldschmidt.- 4.3 The Zachariasen-Warren Network Theory.- 4.4 Extension of the Network Theory by Dietzel.- 4.5 Additional Concepts Supplementing the Network Theory.- 4.6 Lebedev's Crystallite Theory.- 4.7 Further Development of the Crystallite Theory.- 4.8 Kinetic Theory.- 5 Methodology in Glass Research.- 5.1 Structure of Liquids and Melts.- 5.2 The Nuclear Magnetic Resonance Method as...

[Read Glass Chemistry Online](#)[Download PDF Glass Chemistry](#)

You May Also Like



On the seventh grade language - Jiangsu version supporting materials - Tsinghua University Beijing University students efficient learning

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 116 Publisher: Beijing Education Press Pub. Date :2009-6-1. Colorful three-dimensional law degree...

[Save](#) [PDF](#)

»



Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download...

[Save](#) [PDF](#)

»



Using Graphic Novels in the Classroom, Grades 4-8

Teacher Created Materials. Paperback / softback. Book Condition: new. BRAND NEW, Using Graphic Novels in the Classroom, Grades 4-8, Melissa Hart, Since todays young readers live in a highly visual world, its no surprise that...

[Save](#) [PDF](#)

»



The Right Kind of Pride: A Chronicle of Character, Caregiving and Community

Right Kind of Pride, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.After 20 years of marriage author Christopher Cudworth and his...

[Save](#) [PDF](#)

»



Of the Imitation of Christ

Whitaker House. PAPERBACK. Book Condition: New. 088368957X Feed My Sheep Books: A Family Ministry, Competing For YHWH Online Since 2001. Support the Assembly Before Buying Big Box-store Books. We Shrink Wrap & Carefully Package Your...

[Save](#) [PDF](#)

»