
INTERMETALLIC COMPOUNDS

Crystal Structures of Intermetallic Compounds

Edited by

J.H. Westbrook
and
R.L. Fleischer

Contents

Contributors	ix
Preface to the 1995 Edition	xi
Preface to Reprint Volumes	xiii
Acronyms	xv
Crystal Structure Nomenclature	xxi
1 Factors Governing Crystal Structures <i>Pierre Villars</i>	1
2 Close-Packed Structures <i>Jürgen Hauck and Klaus Mika</i>	51
3 Body-Centered Cubic Derivative Structures <i>Erwin E. Hellner and Roland Schwarz</i>	83
4 Wurtzite and Sphalerite Structures <i>Erwin Parthé</i>	117
5 Atomic Environments in Some Related Intermetallic Structure Types. <i>Jo L. C. Daams</i>	139
6 Some Important Structures of Fixed Stoichiometry <i>Michael V. Nevitt and Carl C. Koch</i>	161
7 Topologically Close-Packed Structures <i>Evgen I. Gladyshevskii and Oksana Bodak</i>	179
8 Structure Mapping. <i>David G. Pettifor</i>	195
9 Magnetic Structures <i>Walter L. Roth</i>	215
10 Quasicrystals and Related Structures <i>Kenneth F. Kelton</i>	229
Index	269
Contents of 1995 edition	277