# Contents

Large Crystal Growth and New Crystal Exploration of Mid-Infrared Second-Order Nonlinear Optical Materials 1
Xiao-Ming Jiang, Sheng-Ping Guo, Hui-Yi Zeng, Ming-Jian Zhang, and Guo-Cong Guo

Simulation and Design of Infrared Second-Order Nonlinear Optical Materials in Metal Cluster Compounds 45
Kechen Wu

The Recent Development of SRS and SRS SF-Conversion Laser Crystal 81
Chaoyang Tu

Exploration of New Second-Order Nonlinear Optical Compounds Containing Main Group Elements 121
Hua-Jun Zhao, Xin-Tao Wu, and Li-Ming Wu

Index 135
Structure-Property Relationships in Non-Linear Optical Crystals II
The IR Region
Wu, X.-T.; Chen, L. (Eds.)
2012, XIII, 137 p. 92 illus., 46 illus. in color., Hardcover
ISBN: 978-3-642-29620-8