Contents

Second-Harmonic Generation Materials Wen-Dan Cheng, Chen-Sheng Lin, Wei-Long Zhang, and Hao Zhang	1
Second-Order Nonlinear Optical Materials Based on Metal Iodates, Selenites, and Tellurites Fang Kong, Chuan-Fu Sun, Bing-Ping Yang, and Jiang-Gao Mao	43
Structure, Growth, Nonlinear Optics, and Laser Properties of $RX_3(BO_3)_4$ (R = Y, Gd, La; X = Al, Sc) Guo-Fu Wang	105
The Recent Development of Borate SF-Conversion Laser Crystal Chaoyang Tu, Zhaojie Zhu, Zhenyu You, Jianfu Li, Yan Wang, and Alain Brenier	121
Structure Design and Crystal Growth of UV Nonlinear Borate Materials Ning Ye	181
Cation Effect in Doped BBO and Halogen Anion Effect in Pb ₂ B ₅ O ₉ X (X ⁻ =I ⁻ , Br ⁻ , Cl ⁻) Yi-Zhi Huang, Li-Ming Wu, and Mao-Chun Hong	223
Index	235