

1. Record Nr.	UNINA9910460092003321
Autore	Milam Jennifer Dawn <1968->
Titolo	Historical dictionary of Rococo art [[electronic resource] /] / Jennifer D. Milam
Pubbl/distr/stampa	Lanham, : Scarecrow Press, 2011
ISBN	1-283-04632-6 9786613046321 0-8108-7952-2
Descrizione fisica	1 online resource (335 p.)
Collana	Historical Dictionaries of Literature and the Arts
Disciplina	709.03/3203
Soggetti	Art, Rococo Artists Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contents; Editor's Foreword; Acknowledgments; Chronology; Introduction; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R; S; T; U; V; W; Z; Bibliography; About the Author
Sommario/riassunto	Historical Dictionary of Rococo Art covers all aspects of Rococo art history through a chronology, an introductory essay, a review of the literature, an extensive bibliography, and over 350 cross-referenced dictionary entries on prominent Rococo painters, sculptors, decorative artists, architects, patrons, theorists, and critics, as well as major centers of artistic production. This book is an excellent access point for students, researchers, and anyone wanting to know more about Rococo art. </sp

2. Record Nr.	UNINA9910137626903321
Autore	Chen Chuangtian <1937->
Titolo	Nonlinear optical borate crystals [[electronic resource]] : principles and applications // Chuangtian Chen ... [et al.]
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, 2012
ISBN	3-527-64640-X 1-280-66343-X 9786613640369 3-527-64641-8 3-527-64638-8
Descrizione fisica	1 online resource (407 p.)
Altri autori (Persone)	ChenChuangtian <1937->
Disciplina	548.9
Soggetti	Crystal optics Borate crystals - Optical properties
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Nonlinear Optical Borate Crystals: Principles and Applications; Contents; Preface; List of Contributors; Acknowledgments; 1 Introduction; 1.1 History of the Theoretical Understanding of Nonlinear Optical Crystals; 1.2 History of Development of NLO Borate Crystals; 1.3 History of Crystals for Frequency Conversion; 1.3.1 Frequency Conversion Efficiency of Second Harmonic Generation; 1.3.2 Methods to Obtain Higher Efficiency for Frequency Conversion; 1.3.3 Desirable Conditions for Frequency Conversion Crystals; 1.3.4 History of Crystals and Techniques for Frequency Conversion; References 2 Theoretical Basis for the Development of Borate Nonlinear Optical Crystals 2.1 The Anionic Group Theory and its Approximate Quantum Chemical Methods; 2.1.1 Theoretical Model; 2.1.2 Molecular Orbital Calculation Method; 2.1.2.1 The CNDO-Type Approximation; 2.1.2.2 The EHMO-Type Approximation; 2.2 The SHG Coefficients for Typical NLO Crystals Calculated with the Anionic Group Theory; 2.2.1 The Perovskite and Tungsten-Bronze Type of Crystals; 2.2.1.1 Niobate Crystals; 2.2.1.2 SrTiO ₃ , BaTiO ₃ , KTaO ₃ Crystals; 2.2.2 Iodate Crystals; 2.2.3 The Phosphate Crystals; 2.2.4 The Molybdate Crystals

2.2.5 The Na₂SbF₅ Crystal; 2.2.6 KB₅O₈ · 4H₂O or K[B₅O₆(OH)₄] · 2H₂O (KB₅) Crystal; 2.2.7 The NaNO₂ Crystal; 2.3 The Relationship between the Anionic Group and the Absorption Edge of Inorganic Crystals on the UV Side; 2.3.1 The Model and Approximation; 2.3.2 Absorption Edge Calculations for the Isolated Anionic Group Type; 2.3.2.1 Electronic Structure of -BaB₂O₄ (BBO); 2.3.2.2 Electronic Structure of LiB₃O₅ (LBO); 2.3.2.3 Electronic Structure of KBe₂BO₃F₂ (KBBF); 2.3.2.4 Electronic Structure of KB₅O₈ · 4H₂O; 2.3.2.5 Electronic Structure of KH₂PO₄ (KDP); 2.3.2.6 Electronic Structure of Na₂SbF₅; 2.3.2.7 Electronic Structure of Iodate Crystals and NaNO₂ Crystal; 2.3.3 Summary; 2.4 Ab initio Calculations on the Linear and Nonlinear Optical Properties of Borate and Other Crystals; 2.4.1 Computational Methods; 2.4.2 Calculations and Analysis for Borate Crystals; 2.4.2.1 BBO and LBO Family Crystals; 2.4.2.2 KBBF, BaAlBO₃F₂ (BABF) and Sr₂Be₂B₂O₇ (SBBO) Family Crystals; 2.4.2.3 BIBO Crystal; 2.4.3 Calculations and Analysis for Other NLO Crystals; 2.4.3.1 NaNO₂; 2.4.3.2 Na₂SbF₅; 2.4.3.3 KH₂PO₄ (KDP); 2.5 The Computer-Assisted Molecular Design System for Searching New NLO Crystals; 2.5.1 Material Requirements for NLO Devices; 2.5.2 Theoretical Evaluation; 2.6 The Developments of New NLO Crystals in Borate Series; 2.6.1 The Basic Structural Units in Borate Series and Their NLO and LO Properties; 2.6.1.1 The Second-Order Susceptibilities of the Borate Groups; 2.6.1.2 The Band Gaps of the Borate Groups; 2.6.2 The Development of New NLO Borate Crystals with Molecular Engineering Approach; 2.6.2.1 The History of Discovering BBO; 2.6.2.2 From BBO to LBO; 2.6.2.3 From BBO to LBO to KBBF Crystal; 2.6.2.4 From KBBF to SBBO Family; References

3 Borate Nonlinear Optical Crystals for Frequency Conversion

Sommario/riassunto

This clear and self-contained review of the last four decades of research highlights in the hot field of nonlinear optical (NLO) crystals, particularly of borate-based ultraviolet and deep-ultraviolet NLO crystals, covers three major subjects: the structure-property relationship in borate crystals, the structural and optical characteristics of various promising borate crystals, and their fruitful applications in a wide range of scientific and technological fields. Edited by the discoverers and users of these optical borate crystals, this is a readily accessible reading for semiconductor, a
