Record Nr. UNINA9910461651803321 **Titolo** Photonic crystals [[electronic resource]]: fabrication, band structure, and applications / / Venla E. Laine, editor Pubbl/distr/stampa New York,: Nova Science Publishers, c2011 **ISBN** 1-61728-340-1 Descrizione fisica 1 online resource (319 p.) Collana Physics research and technology Altri autori (Persone) LaineVenla E Disciplina 548/.83 Soggetti Photonic crystals Chemistry 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 and index. ""PHOTONIC CRYSTALS: FABRICATION, BAND STRUCTURE AND Nota di contenuto APPLICATIONS ""; ""PHOTONIC CRYSTALS: FABRICATION, BAND STRUCTURE AND APPLICATIONS ""; ""CONTENTS ""; ""PREFACE ""; ""FABRICATION AND APPLICATIONS OF POLYMERPHOTONIC CRYSTALS"": ""1. Introduction""; ""2. Fabrication of Polymer PCs""; ""2.1. Self-Assembly of Latex Spheres from Gravity"; ""2.2. Self-Assembly of Latex Sphere by Exterior Field"": ""2.3. Self-Assembly of Latex Spheres Under Physical Confinement [44-52]""; ""2.4. PCs Fabricated from Micro-Phase Separation""; ""2.5. Large-Scale Fabrication of Polymer PCs"" ""2.6. Fabrication of Patterned Polymer PCs by Printing"""3. Polymer PCs with Special Properties""; ""3.1. Polymer Pcs with High Strength""; ""3.2. Polymer PCs with Special Wettability[108]""; ""3.3. Polymer PCs with Stopband Modification""; ""4. Applications of Polymer PCs""; ""4.1. Optical Sensing Device""; ""4.2. PCs Used for Solar Cell""; ""4.3. PCs

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