

Organic And Hybrid Photonic Crystals

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Photosensitive organic-inorganic hybrid films for

Photosensitive organic-inorganic hybrid films for photonic crystal using sol-gel process

Organic and hybrid photonic crystals|read

Organic and Hybrid Photonic Crystals. By : Davide Comoretto. This book provides a multidisciplinary perspective (ranging from chemistry to physics and biology) of the

Photonic crystals with active organic materials:

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Sol-gel fabrication of low temperature organic

Sol-Gel Fabrication of Low Temperature Organic-Inorganic Hybrid Film Patterns for Photonic Design and Analysis of 2D Photonic Crystal Waveguides for High

Bioinspired water-vapor-responsive organic

Bioinspired Water-Vapor-Responsive Organic/Inorganic Hybrid One-Dimensional Photonic Crystals with Tunable Full-Color Stop Band

Conference detail for organic photonic materials

Organic Photonic Materials and Devices XVIII will serve as a forum for the dissemination and discussion polymeric photonic crystals ; hybrid organic-inorganic

Photonic crystals - max planck institut f r

Photonic Crystals; Functional Metal Organic and photonic crystals possess photonic functional organic, inorganic and hybrid materials

Transmission spectra of terahertz region hybrid

Abstract. Terahertz region one dimensional photonic crystal (THz 1D PC) structures made of organic polymer were fabricated by simple stacking of thin films of

Enhanced third harmonic generation by organic

Enhanced third harmonic generation by organic , plasmonic photonic crystals with a more than 20 of enhanced THG signals in the hybrid organic

Photonic crystals from inorganic-polymeric hybrid

Photonic crystal materials and devices III (i.e. V) : Organic-inorganic hybrid materials; Nanostructured materials; Photonic crystals; Reflectivity;

Study of the organic layer thickness effect in a

Abstract. We have realized and characterized an optically pumped hybrid photonic crystal (PhC) L3 nanocavity made of an organic material as a gain

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Two-dimensional hybrid photonic/plasmonic crystal

Two-dimensional hybrid photonic/plasmonic crystal cavities A. Ishikawa, X. Yin, X. Zhang, Hybrid photonic-plasmonic crystal nanocavities, ACS Nano

Hybrid organic/gan photonic crystal

Item type: Article ID code: 46609 Keywords: photonic crystals, light emitting diodes, emission spectra, Physics, Physics and Astronomy

Organic and hybrid tunable bragg gratings for

G. Abbate; A. Marino; V. Tkachenko and F. Vita "Organic and hybrid tunable bragg gratings for photonic devices", Proc. SPIE 6587, Liquid Crystals and Applications in

Nanopatterning of photonic crystals with a

UV patternable high refractive index inorganic organic hybrid materials Journal of Materials Chemistry A, B and C of polymeric photonic crystal

Ohiolink etd: wu, yeheng

The concept of photonic crystals, organic and hybrid photonic crystals are promising because of the unique advantages of the organic materials.A one

Dynamic photonic crystals | organic

Dynamic Photonic Crystals. PI the optical characterization of the bulk properties of the NLO materials and devices based on inorganic/organic photonic hybrid

Organic and inorganic hybrid devices (photonics

dimensional photonic crystal waveguide with a Kerr nonlinearity are critically dependent on the dispersion nature and the group velocity of the photonic bands[13].

Colorful detection of organic solvents based on

Colorful detection of organic solvents based on responsive organic/inorganic hybrid one-dimensional photonic crystals Zhanhua Wang, Junhu Zhang, Jiaxin Li, Jing Xie

Organic and hybrid photonic crystals | davide

Introduces the fundamental concepts used to develop organic and hybrid photonic nanostructures using an interdisciplinary approach; Explains the chemical tunability

Femtosecond laser-induced two- photon

Investigations of two-photon polymerization of inorganic-organic hybrid and photonic crystals in inorganic-organic hybrid polymers with

Novel materials and technologies for hybrid

Photonic crystals (PC) are very promising systems by virtue of to their possibility to tailor the propagation of light and to control the spontaneous and stimulated

A novel hybrid organic/inorganic photonic crystal

A novel hybrid organic/inorganic photonic crystal slab showing a resonance action at the band edge L Petti 1, M Rippa ,JZhou2, L Manna3 and P Mormile

Osa | light trapping efficiency of organic solar

Light trapping efficiency of organic solar cells with large period photonic crystals L o Hierarchically structured hybrid honeycomb films via micro to

Electron beam lithography forms 2d hybrid photonic

Jul 27, 2011 the team patterned the nanocomposite to create a novel 2D hybrid photonic crystal optics with liquid crystals, polymers and organic

Organic electro-optics | jen research group

Organic Electro-Optics Jen group has produced the state-of-the-art organic photonic materials with record EO polymer infiltrated silicon photonic crystal

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