

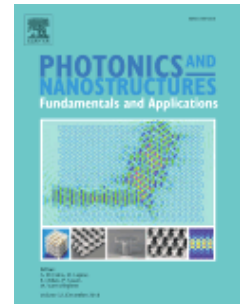


PHOTONICS AND NANOSTRUCTURES - FUNDAMENTALS AND APPLICATIONS

AUTHOR INFORMATION PACK

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ISSN: 1569-4410

DESCRIPTION

Including metamaterials

This journal establishes a dedicated channel for physicists, material scientists, chemists, engineers and computer scientists who are interested in **photonics and nanostructures**, and especially in research related to **photonic crystals, photonic band gaps** and **metamaterials**. The Journal sheds light on the latest developments in this growing field of science that will see the emergence of faster telecommunications and ultimately computers that use light instead of electrons to connect components.

A special section on metamaterials inherits the tradition of Metamaterials journal (www.journals.elsevier.com/metamaterials) and covers a broad range of research on artificial electromagnetic materials and surfaces in microwave and optical range, including their fabrication and applications.

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- Metallic and metallo-dielectric photonic structures
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- Periodic electromagnetic structures
- Frequency selective surfaces
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- Metamaterials for antenna and circuit technology
- Metamaterial-based devices
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- Photonic crystal fibers and "holey" fibers

- Micro- and nanophotonic devices such as optical waveguides, switches, lasers, and other components of optical integrated circuits
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- Optical microcavities and photonic "dots"
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AUDIENCE

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