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2D MATERIALS FOR NANOPHOTONICS

EDITED BY
YOUNG MIN JHON
JU HAN LEE



NANOPHOTONICS SERIES

2D Materials for Nanophotonics

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Nanophotonics

2D Materials for Nanophotonics

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NANOPHOTONICS SERIES

EDITED BY: YOUNG MIN JHON AND JU HAN LEE

Discusses the frontier technologies of 2D materials from the first discovered graphene to the latest MXene, and their applications in nanophotonics.

Key Features

- Outlines the major properties of a variety of 2D materials
- Reviews applications of 2D materials in nanophotonics
- Explores the challenges of using novel 2D materials

Current research in this field is dominated by surface effects and the discovery of unexpected and extraordinary properties, beginning when graphene was first isolated from graphite in 2004. Subsequently, whole new classes of 2D materials have been found including the latest discovered MXene.

2D Materials for Nanophotonics presents a detailed overview of the state of the art science and applications of 2D materials for nanophotonics, covering a wide range of 2D materials including graphene, TDMC, MXene, TMMC, and others. This is ideal for readers seeking a detailed and critical analysis of how 2D materials are being used for a range of photonic and optical applications.

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