



# Optical Metamaterials: Fundamentals and Applications

*Wenshan Cai, Vladimir Shalaev*

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## **Optical Metamaterials: Fundamentals and Applications** Wenshan Cai, Vladimir Shalaev

Metamaterials—artificially structured materials with engineered electromagnetic properties—have enabled unprecedented flexibility in manipulating electromagnetic waves and producing new functionalities. This book details recent advances in the study of optical metamaterials, ranging from fundamental aspects to up-to-date implementations, in one unified treatment. Important recent developments and applications such as superlens and cloaking devices are also treated in detail and made understandable. The planned monograph can serve as a very timely book for both newcomers and advanced researchers in this extremely rapid evolving field.

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