

Photonics is a branch of optics that involves the application of generation, detection, and manipulation of light in the form of photons through emission, transmission, modulation, signal processing, switching, amplification, and sensing. Even though photonics is a commonly used term, there is no widespread agreement on a clear definition of the term or on the difference between photonics and related fields, such as optics.¹

In the present book, ten typical literatures about photonics published on international authoritative journals were selected to introduce the worldwide newest progress, which contains reviews or original researches on photonics. We hope this book can demonstrate advances in photonics as well as give references to the researchers, students and other related people.

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¹ <https://en.wikipedia.org/wiki/Photonics>