



Nanophotonic Structures and Materials: Volume 2 (Hardback)

By David L. Andrews

John Wiley Sons Inc, United States, 2015. Hardback. Book Condition: New. Volume 2 ed.. 236 x 156 mm. Language: English . Brand New Book. Discusses the basic physical principles underlying the science and technology of nanophotonics, its materials and structures This volume presents nanophotonic structures and Materials. Nanophotonics is photonic science and technology that utilizes light/matter interactions on the nanoscale where researchers are discovering new phenomena and developing techniques that go well beyond what is possible with conventional photonics and electronics. The topics discussed in this volume are: Cavity Photonics; Cold Atoms and Bose-Einstein Condensates; Displays; E-paper; Graphene; Integrated Photonics; Liquid Crystals; Metamaterials; Micro- and Nanostructure Fabrication; Nanomaterials; Nanotubes; Plasmonics; Quantum Dots; Spintronics; Thin Film Optics Comprehensive and accessible coverage of the whole of modern photonics Emphasizes processes and applications that specifically exploit photon attributes of light Deals with the rapidly advancing area of modern optics Chapters are written by top scientists in their field Written for the graduate level student in physical sciences; Industrial and academic researchers in photonics, graduate students in the area; College lecturers, educators, policymakers, consultants, Scientific and technical libraries, government laboratories, NIH.



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