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Sommario/riassunto	This book shows how dispersion engineering in two dimensional

dielectric photonic crystals can provide new effects for the precise control of light propagation for integrated nanophotonics. Dispersion engineering in regular and graded photonic crystals to promote anomalous refraction effects is studied from the concepts to experimental demonstration via nanofabrication considerations. Self collimation, ultra and negative refraction, second harmonic generation, mirage and invisibility effects which lead to an unprecedented control of light propagation at the (sub-)wavelength scale for t
