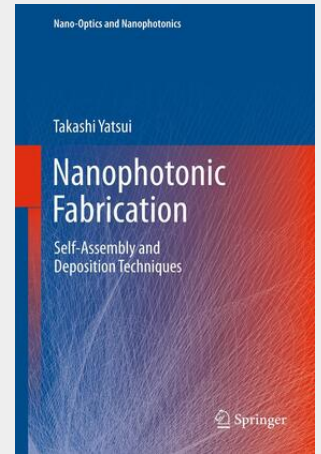


Yatsui

Nanophotonic Fabrication

Self-Assembly and Deposition Techniques

Nanophotonics, a novel optical technology, utilizes the local interaction between nanometric particles via optical near fields. The optical near fields are the elementary surface excitations on nanometric particles, i.e. dressed photons that carry material energy. Of the variety of qualitative innovations in optical technology realized by nanophotonics, this book focuses on fabrication. To fabricate nano-scale photonic devices with nanometer-scale controllability in size and position, we developed a self-assembly method for size- and position-controlled ultra-long nanodot chains using a novel effect of near-field optical desorption. A novel deposition and etching scheme under nonresonant conditions is also demonstrated and its origin is reviewed.



106,99 €

99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783642438424

Medium: Buch

ISBN: 978-3-642-43842-4

Verlag: Springer

Erscheinungstermin: 09.05.2014

Sprache(n): Englisch

Auflage: 2012

Serie: Nano-Optics and Nanophotonics

Produktform: Kartoniert

Gewicht: 213 g

Seiten: 124

Format (B x H): 155 x 235 mm

