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Silver Colloids; 2.2.2 Anisotropic Nanoparticles; 2.3 SELF-ASSEMBLY AND HYBRID METHODS; 2.3.1 Langmuir-Blodgett Films; 2.3.2 Colloidal Crystals; 2.3.3 Deposition in Self-Organized Templates; 2.3.4 Template-Assisted Self-Assembly; 2.3.5 New Methods; 2.4 CHEMICAL ASSEMBLY; 2.4.1 Functionalization of Metal Nanoparticles; 2.4.2 Assembly Using DNA Molecules; 2.4.3 Anisotropic Assembly of Nanorods

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Sommario/riassunto

Based on a popular article in *Laser and Photonics Reviews*, this book provides an explanation and overview of the techniques used to model, make, and measure metal nanoparticles, detailing results obtained and what they mean. It covers the properties of coupled metal nanoparticles, the nonlinear optical response of metal nanoparticles, and the phenomena that arise when light-emitting materials are coupled to metal nanoparticles. It also provides an overview of key potential applications and offers explanations of computational and experimental techniques giving readers a solid grounding
